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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)

Monday, November 23, 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 B-1-879  
47-099-00874-00-00

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: B-1-879  
Farm Name: BURGESS, MARION B.  
U.S. WELL NUMBER: 47-099-00874-00-00  
Vertical Plugging  
Date Issued: 11/23/2020

Promoting a healthy environment.

I

47-099-00874P

# 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.

Burgess #B-1, Marion (358)  
API# 47-099-00874  
Elevation: 784' GL  
Latitude: 38.252189  
Longitude: -82.396721

Burgess #B-1, Marion Well Data *3 1/2" SET @ 2240' - 2244' ON PACKER*  
Casing: 8-5/8" 24 ppf Surface Csg @ 462' GL set on shoe  
7" 20 ppf Intermediate Csg @ 1449' GL set on shoe  
5-1/2" 14 ppf Production Csg @ 2237' KB - Set on hookwall packer  
No Tubing in well  
TD: 3539' (2966' TD after shot)  
Latch Down: N/A  
Perforations: Shot w/ 11,500# Detonite F/ 2329' - T/ 3538'  
Recomplete Perfs: N/A  
Coal: 328'-331'  
Fresh Water Shows: 90'  
Salt Water Shows: 1034' 1720'  
Gas/Oil Shows: 1516', 2235', 3429'

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Burgess #B-1 Procedure:

1. Notify State Inspector, Terry Urban - (304)-549-5915 - [Terry.W.Urban@wv.gov](mailto:Terry.W.Urban@wv.gov) 24 hours prior to commencing operations.
2. Prep Burgess #B-1 location.
3. MIRU service rig, steel pits, work string of 3000' 2-3/8" EUE tbg, and other ancillary equipment.
4. Perform csg Freepoint test on <sup>3-1/2"</sup>5-1/2".
5. RIH w/ 2-3/8" work string to 50-75' below <sup>3-1/2"</sup>5-1/2" csg depth.
6. PU 10' off bottom and set 200' cement plug F/ 2300' T/ 2100'. (Csg shoe @ 2237').
7. TOOH to 1900', WOC 8 hrs, RIH & tag plug, add cement if needed. *OK*
8. Spot 6% gel from TOC to 1695', or to 50' above location of next cement plug.
9. <sup>3-1/2"</sup>5-1/2" 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. Cement plugs will be tagged 8 hrs after pumping, with 6% gel spotted between each plug.
  - a. 100' plug across from casing rip, 50' below and 50' above rip. *3-1/2"*
  - b. 100' plug F/ 1695' - T/ 1595'. Perforations are required at 1695' if <sup>3-1/2"</sup>5-1/2" csg is still present. *3-1/2"*
  - c. 100' plug F/ 1491' - T/ 1391'. Perforations are required at 1491' if <sup>3-1/2"</sup>5-1/2" csg is still present.
10. Perform Freepoint on 7" csg and note where free
11. 7" 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. 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.

*NEED TO GO TO TD IF POSSIBLE  
LEAD WITH 6% GEL*

*[Signature]*  
10-30-20  
SEE WW 4B

- b. 100' plug F/ 1009' – T/ 909'. Perforations are required at 1009' if 7" csg is still present.
    - c. 100' plug F/ 475' – T/ 375'. Perforations are required at 475' if 7" csg is still present.
12. Perform Freepoint on 8-5/8" csg and note where free
13. 8-5/8" 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. 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.
  - b. 100' plug F/ 100' – T/ Surface (Surface Plug). Perforations are required at 100' if 8-5/8" csg is still present.
14. Erect a monument to WV DEP specifications (CSR 35-4-5.5 – sub "b").
15. Reclaim location and roads to WV DEP Specifications.

*A w Mr*  
*SEE WW4B*  
*10-30-20*

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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 8

*Guyardot*

WELL RECORD

Permit No. WAY-874

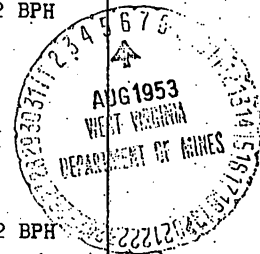
Oil or Gas Well Gas  
(KIND)

Company OWENS, LIBBEY-OWENS GAS DEPARTMENT  
 Address P. O. Box 4158, Charleston, W. Va.  
 Farm Marion Burgess "B" Acres 86  
 Location (waters) \_\_\_\_\_  
 Well No. 1 (Serial No. 879) Elev. 781.44  
 District Union County Wayne  
 The surface of tract is owned in fee by \_\_\_\_\_  
 Address \_\_\_\_\_  
 Mineral rights are owned by Marion Woods Burgess etals  
309 Lock Lane Address Richmond, Virginia  
 Drilling commenced 5-22-53  
 Drilling completed 7-23-53  
 Date Shot 7-28-53 From 2329 To 3538  
 With 11,500 lbs. of Detonite.  
 Open Flow 10ths Water in \_\_\_\_\_ Inch  
 \_\_\_\_\_ 10ths Merc. in \_\_\_\_\_ Inch  
 Volume Br. Shale & Corniferous Lime 137 M Cu. Ft.  
 Rock Pressure 355 lbs. 46 hrs.  
 Oil \_\_\_\_\_ bbls., let 24 hrs.  
 Fresh water 90 feet 313 feet  
 Salt water 1034 feet \_\_\_\_\_ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>"Oil type 11"</u>
16			<u>Hookwall</u>
13			Size of <u>3 1/2" x 6-5/8"</u>
10			<u>x 16</u>
<u>8 1/4 5/8"</u>	<u>462' 6"</u>	<u>462' 6"</u>	Depth set <u>2210-2214</u>
<u>6 1/4 7"</u>	<u>1449' 11"</u>	<u>1449' 11"</u>	
<u>5 3/16</u>			
<u>3-1/2"</u>		<u>2244' 2"</u>	Perf. top
<u>2</u>			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED \_\_\_\_\_ SIZE \_\_\_\_\_ No. Ft. \_\_\_\_\_ Date \_\_\_\_\_  
 COAL WAS ENCOUNTERED AT 328 FEET 36 INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
National Machine							
Surface			0	16			
Slate	Light	Soft	16	76			
Sand	Light	Med.	76	95	Water at 90	2 BPH	
Red Rock	Red	Soft	95	103			
Slate	Light	Soft	103	131			
Red Rock	Red	Soft	131	172			
Slate	Dark	Soft	172	188			
Slate	Light	Soft	188	202			
Sand	Light	Soft	202	242			
Slate	Light	Soft	242	279			
Sand	Light	Soft	279	284			
Slate	Light	Soft	284	328	Test at 313	2 BPH	
Coal	Black	Soft	328	331			
Sand	Light	Med.	331	356			
Slate	Light	Soft	356	466	SUM 461 = Sand LM 457		
Sand	White	Soft	466	517	Ran 3-5/8" csg. at 461,		Shoe on
Sand-broken	Dark	Soft	517	567	bottom.		
Slate	Dark	Soft	567	601	SUM 567 = Sand LM 567		
Sand	Light	Soft	601	621			
Slate	Dark	Soft	621	641			
Sand	Light	Soft	641	679			
Slate	Light	Soft	679	727			
Slate	Dark	Soft	727	792			
Sand	Light	Soft	792	815			
Slate	Dark	Soft	815	825			
Sand	Light	Soft	825	919			
Slate	Dark	Soft	919	967			
Sand	light	Med.	967	997			
Sand	White	Soft	997	1016	Water at 1034, hole filling		
Sand	Light	Med.	1016	1068			
Sand	White	Soft	1068	1169	Water level 250' at 1169'		
Sand	White	Med.	1169	1247	SUM 1169 = Sand LM 1165		
Sand	Light	Soft	1247	1362			
Slate	Dark	Soft	1362	1368			
Lime Shell	Grey	Hard	1368	1380			



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(Over)

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Light	Soft	1380	1385	Water level	250' at 1385	
Sand	Light	Med.	1385	1407			
Little Lime	Dark	Hard	1407	1427			
Fencil Cave	Dark	Hard	1427	1430	SLM 1430 = Sand LM 1430		
Big Lime	Light	Hard	1430	1516	Ran 7" csg. on shoe at 1449 ft.		
Big Injun	Grey	Med.	1616	1686	SLM 1449 = Sand LM 1447 Fished for bit at 1466 Show of gas at 1516 Show of oil at 1516 SLM 1516 = Sand LM 1516 SLM 1660 = Sand LM 1657		
Big Injun	Grey	Soft	1686	1711			
Big Injun	Grey	Med.	1711	1728			
Sl.&Shells	Dark	Soft	1728	1733	Shut down at 1733 & tested 24 hrs.		
Sl.&Shells	Grey	Med.	1733	1753	Big Injun Sand making 6 gal. per hr.		
Sl. & Shells	Black	Med.	1753	1781			
Sl. & Shells	Dark	Soft	1781	1943			
Sl.&Shells	Light	Med.	1943	2037			
Sl.&Shells	Light	Soft	2037	2058			
Shell	Grey	Hard	2058	2068			
Slate	White	Soft	2068	2093			
Sl.&Shells	Light	Med.	2093	2180	SLM 2180 = Sand LM 2177		
Slate	Light	Med.	2180	2213	Tested for water at 2228, B1		
Shale	Brown	Soft	2213	2228	making about 3 gal. per hour.		
Berea Sand	Grey	Hard	2228	2244	Oil 2235-40, Show		
Slate	Grey	Soft	2244	2247			
Shell	Grey	Hard	2247	2251			
Slate	Black	Med.	2251	2264			
Sl.&Shells	Light	Soft	2264	2278			
Sl.&Shells	Light	Med.	2278	2282			
Slate	Light	Soft	2282	2285	Test of water at 2304 feet.		
Sl.&Shells	Light	Soft	2285	2333	about 2 gal. per hour.		
Br. Shale	Brown	Med.	2333	2406			
Sl.&Shells	Light	Soft	2406	2413			
Slate	White	Soft	2413	2553	SLM 2553 = Sand LM 2552 Tested Big Injun water before starting up after week-end, 73 gal. in 48 hrs. = 1-1/2 gal. per hr.		
Slate	White	Med.	2553	2592			
Sl.&Shells	White	Soft	2592	2630			
Slate	White	Soft	2630	2686			
Sl.&Shells	Light	Soft	2686	2698			
Br. Shale	Brown	Soft	2698	2762			
Slate	White	Soft	2762	2797			
Br. Shale	Brown	Soft	2797	3072	SLM 3072 = Sand LM 3074 After 48 hour shut-down over weekend, found 2/3 bbl. water in hole		
Dr. Shale	Brown	Soft	3072	3164			
Slate	White	Soft	3164	3378			
Br. Shale	Brown	Soft	3378	3412			
Shell	Dark	Hard	3412	3419	SLM 3414 = Sand LM 3414		
Br. Shale	Brown	Soft	3419	3434	Show of gas at 3429-36 (2/10 W-1/8" = 173 c.f.)		
Shell	Dark	Hard	3434	3438	Show of oil at 3429-36, scum on water		
Corniferous	L. Dark	Hard	3438	3467	Test at 3441 = 173 c.f.		
"	White	Hard	3467	3481	SLM 3467 = Sand LM 3467		
Gritty "	White	Hard	3481	3483			
"	Grey	Hard	3483	3484	At 3528', Spem showed only - but no oil was present in cuttings - probably from Berea Sand.		
"	White	Hard	3484	3539	Test 3539, only enough gas to shake water in 1/8 inch plate		
		Total Depth		3539			
	T. D.	After Shot		3066	Shot 7-23-58		
					Before Shot: zero. 26 hours after: 137M		

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WV Department of  
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Date August 5, 1953

APPROVED: \_\_\_\_\_, Owner

By \_\_\_\_\_ (Title) Geologist

Formation	Color	Hard or Soft	Top	Bottom	Oil Gas or Water	Depth Found	Remarks
Slate	Light	Soft	1380	1385	Water level	250' at 1385	
Sand	Light	Med.	1385	1407			
Little Lime	Dark	Hard	1407	1427			
Pencil Cave	Dark	Hard	1427	1430	SLM 1430 = Sand LM 1430		
Big Idme	Light	Hard	1430	1616	Ran 7" csg. on shoe at 1449 ft.		
Big Injun	Grey	Med.	1616	1686	SLM 1449 = Sand LM 1447		
					Fished for bit at 1466		
					Show of gas at 1516		
					Show of oil at 1516		
					SLM 1516 = Sand LM 1516		
					SLM 1660 = Sand LM 1657		
Big Injun	Grey	Soft	1686	1711			
Big Injun	Grey	Med.	1711	1728			
Sl.&Shells	Dark	Soft	1728	1733			
Sl.&Shells	Grey	Med.	1733	1753	Shut down at 1733 & tested 24 hrs.		
Sl. & Shells	Black	Med.	1753	1781	Big Injun Sand making 6 gal. per hr.		
Sl. & Shells	Dark	Soft	1781	1943			
Sl.&Shells	Light	Med.	1943	2037			
Sl.&Shells	Light	Soft	2037	2058			
Shell	Grey	Hard	2058	2068			
Slate	White	Soft	2068	2093			
Sl.&Shells	Light	Med.	2093	2180	SLM 2180 = Sand LM 2177		
Slate	Light	Med.	2180	2213	Tested for water at 2228, B1		
Shale	Brown	Soft	2213	2228	making about 3 gal. per hour.		
Berea Sand	Grey	Hard	2228	2244	Oil 2235-40, Show		
Slate	Grey	Soft	2244	2247			
Sholl	Grey	Hard	2247	2251			
Slate	Black	Med.	2251	2264			
Sl.&Shells	Light	Soft	2264	2278			
Sl.&Shells	Light	Med.	2278	2282			
Slate	Light	Soft	2282	2285	Test of water at 2304 feet.		
Sl.&Shells	Light	Soft	2285	2333	about 2 gal. per hour.		
Br. Shale	Brown	Med.	2333	2406			
Sl.&Shells	Light	Soft	2406	2413			
Slate	White	Soft	2413	2553	SLM 2553 = Sand LM 2552		
					Tested Big Injun water before starting		
					up after week-end, 73 gal. in 48 hrs. =		
					1-1/2 gal. per hr.		
Slate	White	Med.	2553	2592			
Sl.&Shells	White	Soft	2592	2630			
Slate	White	Soft	2630	2686			
Sl.&Shells	Light	Soft	2686	2698			
Br. Shale	Brown	Soft	2698	2762			
Slate	White	Soft	2762	2797			
Br. Shale	Brown	Soft	2797	3072	SLM 3072 = Sand LM 3074		
					After 48 hour shut-down over weekend,		
					found 2/3 bol. water in hole		
Br. Shale	Brown	Soft	3072	3164			
Slate	White	Soft	3164	3378			
Br. Shale	Brown	Soft	3378	3412			
Shell	Dark	Hard	3412	3419	SLM 3414 = Sand IM 3414		
Br. Shale	Brown	Soft	3419	3434	Show of gas at 3429-36 (2/10 W-1/8" = 173 c.f.)		
Shell	Dark	Hard	3434	3438	Show of oil at 3429-36, scum on water		
Corniferous	L. Dark	Hard	3438	3467	Test at 3441 = 173 c.f.		
"	" White	Hard	3467	3481	SLM 3467 = Sand LM 3467		
Gritty "	" White	Hard	3481	3483			
"	" Grey	Hard	3483	3494	At 3528', stem showed oily - but no oil		
"	" White	Hard	3494	3539	was present in cuttings - probably from Berea Sand.		
					Test 3539, only enough gas to shake		
					water in 1/8 inch plate.		
		Total Depth		3539			
	T. D.	After Shot		2966	Shot 7-28-53		
					Before Shot: zero. 26 hours after: 137M		

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Environmental Protection

Date August 5, 19 53

APPROVED OWENS, LIBBEY-OWENS GAS DEPT., Owner

By A. H. Smith  
(Title) Geologist

LOG REPORT

OWENS, LIBBY-OIL AND GAS DEPARTMENT

WLD No. 879

Merion Burgess "B" No. 1

Union District, Wayne County

West Virginia Elev: 782.44

Drilling Commenced: 5-22-53

Drilling Completed: 7-23-53

Casing & Tubing

Size	Used in Drilling	Left in Well
6-5/8"	462' 6"	462' 6"
7"	1449' 11"	1449' 11"
3-1/2"		2244' 2"

"Oilwell" Hook Ball; Set at 2240-2244  
3" x 6-5/8" x 16"

National Machine

Surface	0	16
Slate	16	76
Sand	76	95
Red Rock	95	103
Slate	103	131
Red Rock	131	172
Slate	172	202
Sand	202	242
Slate	242	279
Sand	279	284
Slate	284	328
Coal	328	331
Sand	331	356
Slate	356	466
Sand	466	517
Sand-broken	517	567
Slate	567	601
Sand	601	621
Slate	621	641
Sand	641	679
Slate	679	792
Sand	792	815
Slate	815	825
Sand	825	919
Slate	919	967
Sand	967	1362
Slate	1362	1368
Line Shell	1368	1380
Slate	1380	1385
Sand	1385	1407
Little Lime	1407	1427
Pencil Cave	1427	1430
Big Lime	1430	1616
Big Injun	1616	1686
Big Injun	1686	1728
Sl. & Shells	1728	2058
Shell	2058	2068
Slate	2068	2093
Sl. & Shells	2093	2180
Slate	2180	2213
Shale	2213	2228
Area Sand	2228	2244
Slate	2244	2247

Shell	2247	2251
Slate	2251	2264
Sl. & Shells	2264	2282
Slate	2282	2285
Sl. & Shells	2285	2333
Br. Shale	2333	2406
Sl. & Shells	2406	2413
Slate	2413	2553
Slate	2553	2592
Sl. & Shells	2592	2630
Slate	2630	2686
Sl. & Shells	2686	2698
Br. Shale	2698	2762
Slate	2762	2797
Br. Shale	2797	3164
Slate	3164	3378
Br. Shale	3378	3412
Shell	3412	3419
Br. Shale	3419	3434
Shell	3434	3438
Corniferous Lime	3438	3481
Gritty Cornif.	3481	3483
Cornif. Lime	3483	3539

Total Depth 3539

Total Depth after shot. 2966

2277  
-786  
1444

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Environmental Protection



Record of Old Well No. 979

Marion Burgess "B" No. 1

Water at 90 2 MPH  
 Feet at 313 2 MPH  
 Ran 8-5/8" csg. at 1461, shoe on bottom.  
 Water at 1034, hole filling  
 Water level 250' at 1169'  
 Water level 250' at 1385  
 Ran 7" csg. on shoe at 1449 feet.  
 Fished for bit at 1466.

Show of gas at 1516  
 Show of oil at 1516

Shut down at 1733 & tested 24 hours. Big Injun Sand  
 making 6 gal. per hour.

Tested for water at 2228, BI making about 3 gal. per hr.  
 Oil 2235-40 show.  
 Test of water at 2304 feet., about 2 gal. per hr.

Tested Big Injun water before starting up after work end -  
 73 gal. in 48 hrs. = 1-1/2 gal. per hr.  
 After 48 hour shut-down over weekend, found 2/3 hbl. water  
 in hole.

Show of gas at 3429-36 (2/10 @ 1/8" = 173 e.f.)  
 Show of oil at 3429-36, soum on water.  
 Lost at 3441 = 173 o.f.

At 3528', stem showed oily - but no oil was present  
 in cuttings - probably from Berea Sand.

Test 3539, only enough gas to chake water in 1/8 inch plate.

Shot 7-28-53 with 11,500 lbs. of Detonite, from 2329 to 3538

Before Shot: Zero. 26 Hours After: 137 M; (17 hrs. after shot: 140 M)

Open Flow: Br. Shale & Corniferous Lime 137 MCF

Rock Pressure 355# 46 Hrs.

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 Environmental Protection

OWENS, LIBBEY-OWENS GAS DEPARTMENT

mailed 5/6/53

Well Work Order

Form Marion W. Burgess "B" No. 1 Well Serial No. 879
District Union County Wayne Elevation 784.44
Location Approved 4-21-53 Dept. of Mines Permit No. Applied for 4-27-53 Issued

Approved to begin operations 5-6, 1953
A. H. Smith, Geologist
[Signature], General Manager

Table with columns: FORMATION, EXPECTED DEPTH (TOP, BOTTOM), CASING REQUIRED (SIZE, AMOUNT), REMARKS. Rows include: Lowest Com. Coal, Salt Sands (with many breaks), Little Lime, Big Lime, Big Injun, Sand, Berea Sand, Brown Shale, Cornif. Lime.

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Special Instructions: Drill to 3390
Run extra steel line measurements at end of each week, and at bottom of all packer shells, When through Big Injun, shut down for 24 hours and test for water. Make similar test for oil and water in Berea Sand. Save samples from 1410 to 1620.

Approved for Drilling Department 5-6, 1953
W. A. Smith, FIELD SUPERINTENDENT
[Signature], GENERAL MANAGER

SERIAL NO.	879	LEASE NO.		ACRES	86			
NAME	MARION BURGESS "B"	NO.	1	DISTRICT	Union	COUNTY	Wayne	
Location Proposed	Salt Sand		Water 1034. Hole filling					
Location Approved	Maxtom		Oil, Gas Show 1516					
Title OK	Big Lime 1430-1616		Oil, Gas Show 3429-36					
Tract Surveyed								
Location Surveyed	Big Inj 1616-1728							
Permit Requested								
Work Order Submitted	Berea 2228-2244							
Work Order Approved								
Right(s) of Way	Br. Shale 2698-2762							
Road	2797-3164							
Materials on Hand	3378-3412 3419-3434							
Moving in	Corniferous 3438-3481							
Commenced Rigging	Oriskany							
Rig Up								
Permit on Hand								
Ready to Drill								
Total Depth 3539' - A.S. 2966'								
Commenced Drilling	5-22-53	Shot	From	To	Amount	Test BS	Test AS	Hrs.
Completed Drilling	7-23-53	7/28/53	2329-3538		11,500# Det.	0 MCF	137M	26
Drilling Time: Days	Acidized							
Average Footage per Day								
Final Tests	Br. Sh. & Cornif. L. 137M	R.P.	35#	1/6 Hrs.	Casing	Used	Left in	Packer Data
					8"	1463'	1463'	Oilwell Hookwall 3 1/2" x
					7"	1450'	1450'	6 5/8" x 16 set at
					3"		2244'	2240-2244
String Number								

# MARION BURGESS "B" NO. 1

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WV Department of  
Environmental Protection

47-099-00874P



ENERVEST

ENERVEST OPERATING, L.L.C.

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

October 27, 2020

VIA USPS REGULAR MAIL

Terry Urban  
P.O. Box 1207  
Clendenin, WV 25045

RE: Application for Permit to Plug

Dear Mr. Urban:

Please find enclosed the following application for a permit to plug the following well:

- 1) Burgess #B-1 (API#4709900874), Wayne County, WV; and

Should you have any questions regarding these applications, please feel free to contact me at (304) 989-7883 or Trevor Schaffer at (304) 590-3357.

Sincerely,

Troy Valasek  
Senior Landman

Enclosure

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Select County: (099) Wayne Select datatypes: (Check All)
Enter Permit #: 0874
Get Data Reset

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

WV Geological & Economic Survey:

Well: County = 99 Permit = 0874

Report Time: Thursday, March 05, 2020 9:08:27 AM

Location Information: View Map

Table with 8 columns: API, COUNTY, PERMIT, TAX, DISTRICT, QUAD, QUAD\_15, LAT\_DD, LON\_DD, UTM\_E, UTM\_N

There is no Bottom Hole Location data for this well

Owner Information:

Table with 13 columns: 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

Completion Information:

Table with 13 columns: 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

Pay/Show/Water Information:

Table with 13 columns: API, CMP\_DT, ACTIVITY, PRODUCT, SECTION, DEPTH\_TOP, FM\_TOP, DEPTH\_BOT, FM\_BOT, G\_BEF, G\_AFT, O\_BEF, O\_AFT, WATER\_QNTY

Production Gas Information: (Volumes in Mcf)

Table with 13 columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_GAS, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM

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

Table with 13 columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_OIL, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM

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

Table with 13 columns: API, PRODUCING\_OPERATOR, PRD\_YEAR, ANN\_NGL, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DCM

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Environmental Protection

47-099 - 00874 ↑

4709900874 Enervest Operating, LLC 2018 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Production Water Information: (Volumes in Gallons)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_WTR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709900874	Enervest Operating, LLC	2018	0												
4709900874	Enervest Operating, LLC	2018	0	0	0	0	0	0	0	0	0	0	0	0	0

Stratigraphy Information:

API	SUFFIX	FM	FM_QUALITY	DEPTH_TOP	DEPTH_QUALITY	THICKNESS	THICKNESS_QUALITY	ELEV	DATUM
4709900874	Original Loc	unidentified coal	Well Record	328	Reasonable	3	Reasonable	784	Ground Level
4709900874	Original Loc	Little Lime	Well Record	1407	Reasonable	20	Reasonable	784	Ground Level
4709900874	Original Loc	Pencil Cave	Well Record	1427	Reasonable	3	Reasonable	784	Ground Level
4709900874	Original Loc	Greenbrier Group	Well Record	1430	Reasonable	186	Reasonable	784	Ground Level
4709900874	Original Loc	Big Lime	Well Record	1430	Reasonable	186	Reasonable	784	Ground Level
4709900874	Original Loc	Base of Greenbrier	Well Record	1516	Reasonable	0	Reasonable	784	Ground Level
4709900874	Original Loc	Price Fm & eqivs	Well Record	1516	Reasonable	828	Reasonable	784	Ground Level
4709900874	Original Loc	Big Injun (Price&eq)	Well Record	1616	Reasonable	70	Reasonable	784	Ground Level
4709900874	Original Loc	Sunbury Sh	Well Record	2213	Qstnble Pick	15	Qstnble Pick	784	Ground Level
4709900874	Original Loc	Berea Ss	Well Record	2228	Reasonable	16	Reasonable	784	Ground Level
4709900874	Original Loc	Bndford	Well Record	2244	Reasonable	89	Qstnble Pick	784	Ground Level
4709900874	Original Loc	Huron	Well Record	2406	Qstnble Pick	758	Qstnble Pick	784	Ground Level
4709900874	Original Loc	Big White Slate	Well Record	3164	Reasonable	214	Reasonable	784	Ground Level
4709900874	Original Loc	Rhinestreet Sh	Well Record	3378	Reasonable	60	Reasonable	784	Ground Level
4709900874	Original Loc	'Corniferous'	Well Record	3438	Reasonable	0	Reasonable	784	Ground Level
4709900874	Original Loc	Unconformity	Well Record	3438	Reasonable	0	Reasonable	784	Ground Level

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

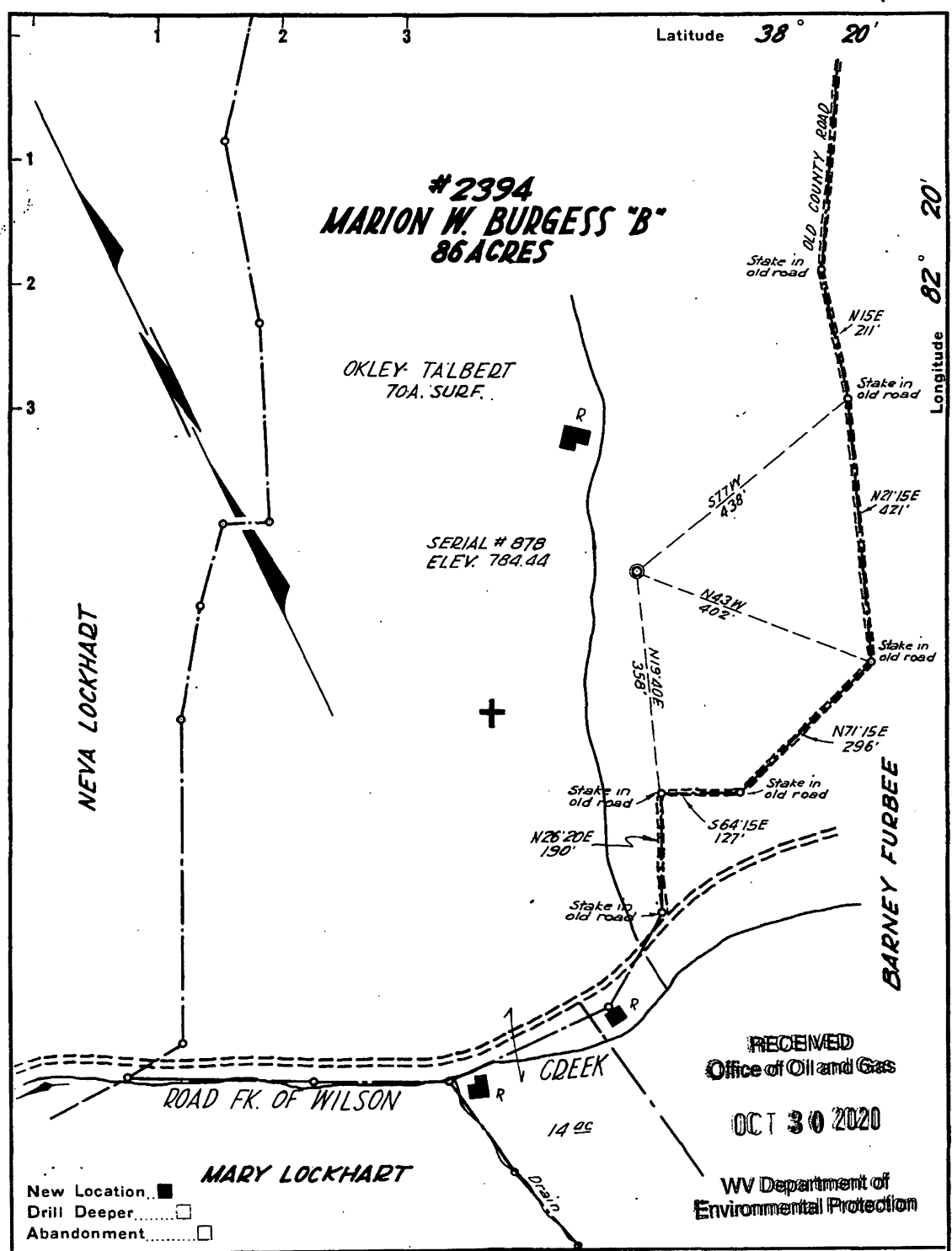
There is no Plugging data for this well

There is no Sample data for this well

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New Location   
 Drill Deeper   
 Abandonment

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 Environmental Protection

Company OWENS, LIBBEY-OWENS GAS DEPT.  
 Address BOX 4158 CHARLESTON W.VA.  
 Farm MARION W. BURGESS "B"  
 Tract \_\_\_\_\_ Acres 86 Lease No. Z384  
 Well (Farm) No. B-1 Serial No. 879  
 Elevation (Spirit Level) 784.44  
 Quadrangle GUYANDOT B S.5.60" W 3.66"  
 County WAYNE District UNION  
 Engineer T. S. FLOURNOY  
 Engineer's Registration No. 269  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date MARCH 9, 1953 Scale 1" = 200'

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.

WW-4A  
Revised 6-07

1) Date: 10/01/2020  
2) Operator's Well Number  
Burgess #B-1  
3) API Well No.: 47 - 099 - 00874

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

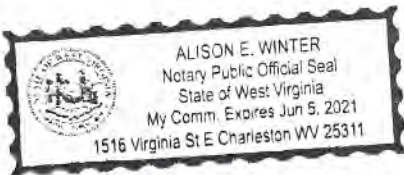
<b>4) Surface Owner(s) to be served:</b>	<b>5) (a) Coal Operator</b>
(a) Name <u>Rennie Talbert, Sr.</u> ✓	Name _____
Address <u>2181 Wilson Creek Rd.</u>	Address _____
<u>Wayne, WV 25570</u>	
(b) Name <u>Glen Alvin Smith</u> ✓	(b) Coal Owner(s) with Declaration
Address <u>P.O. Box 938</u>	Name <u>Collingwood USA, Inc.</u> ✓
<u>Wayne, WV 25570</u>	Address <u>1209 N. Orange St.</u>
	<u>Wilmington, DE 19807</u>
(c) Name _____	Name <u>Hay Mineral Resources, LLC</u> ✓
Address _____	Address <u>1544 Winchester Ave., Ste 1016</u>
	<u>Ashland, KY 41101</u>
<b>6) Inspector</b> <u>Terry Urban</u>	(c) Coal Lessee with Declaration
Address <u>PO Box 1207</u>	Name _____
<u>Clendenin, WV 25045</u>	Address _____
Telephone <u>304-549-5915</u>	

**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 *[Signature]*  
 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 5<sup>th</sup> 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 [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).





ENERVEST

ENERVEST OPERATING, L.L.C.

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

October 20, 2020

VIA USPS CERTIFIED MAIL

Rennie Talbert Sr.  
2181 Wilson Creek Rd.  
Wayne, WV 25570

RE: Plugging Permit Marion Burgess #B-1 Well  
API# 47-099-00874  
Union District, Wayne County, WV

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Office of Oil and Gas

OCT 30 2020

WV Department of  
Environmental Protection

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:

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



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

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WV Department of  
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7039 3640 0001 4233 4342

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<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	\$

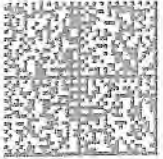
Postmark Here: OCT 30 2020

Troy V.

Sent To  
Rennie Talbert Sr.  
Street and Apt. No., or PO Box No.  
1181 Wilson Creek Rd.  
City, State, ZIP+4®  
Wayne, WV 25570

PS Form 3800, April 2015 PSN 7530 02-000-3047 See Reverse for Instructions

47-099-00874P



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<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  
**Rennie Talbert Sr.**  
 Street and Apt. No., or PO Box No.  
**2181 Wilson Creek Rd.**  
 City, State, ZIP+4®  
**Wayne, WV 25570**

PS Form 3800, April 2015 PSN 7530-02-000-9047 See F

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WV Department of  
Environmental Protection

Troy Valasek  
EnerVest Operating, L.L.C.  
1748 Saltwell Road  
Dover, OH 44622

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:

Rennie Talbert Sr.  
2181 Wilson Creek Rd.  
Wayne, WV 25570



9590 9402 5428 9189 4794 80

2. Article Number (Transfer from service label)

7019 1640 0001 4233 4342

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

COMPLETE THIS SECTION ON DELIVERY

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

3. Service Type

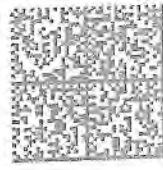
- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Registered Mail
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

PLEASE STICKER TO TOP OF MAILPIECE TO THE RIGHT OF THE RETURN ADDRESS. HOLD MAILPIECE FLAT.

TRAIL DELIVERED

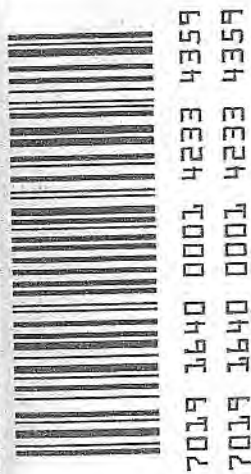
47-099-00874P



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<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 Alvin Smith	
Street and Apt. No., or PO Box No.	
P.O. Box 938	
City, State, ZIP+4®	
Wayne, WV 25570	
PS Form 3800, April 2015 RSN 7530-02-000-6047	

65E4 E3E4 T000 049T 6T0L  
65E4 E3E4 T000 049T 6T0L

Troy Valasek  
EnerVest Operating, L.L.C.  
1748 Saltwell Road  
Dover, OH 44622

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- 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 Alvin Smith  
P.O. Box 938  
Wayne, WV 25570



2. Article Number (Transfer from service label)  
9590 9402 5428 9189 4794 97

7019 1640 0001 4233 4359

PS Form 3811, July 2015 PSN 7530-02-000-6063

COMPLETE THIS SECTION ON DELIVERY

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

3. Service Type	
<input type="checkbox"/>	Adult Signature
<input type="checkbox"/>	Adult Signature Restricted Delivery
<input type="checkbox"/>	Certified Mail®
<input type="checkbox"/>	Certified Mail Restricted Delivery
<input type="checkbox"/>	Collect on Delivery
<input type="checkbox"/>	Collect on Delivery Restricted Delivery
<input type="checkbox"/>	Registered Mail™
<input type="checkbox"/>	Registered Mail Restricted Delivery
<input type="checkbox"/>	Return Receipt for Merchandise
<input type="checkbox"/>	Signature Confirmation™
<input type="checkbox"/>	Signature Confirmation Restricted Delivery
<input type="checkbox"/>	Priority Mail Express®
<input type="checkbox"/>	Registered Mail™
<input type="checkbox"/>	Registered Mail Restricted Delivery
<input type="checkbox"/>	Return Receipt for Merchandise
<input type="checkbox"/>	Signature Confirmation™
<input type="checkbox"/>	Signature Confirmation Restricted Delivery

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ENERVEST

ENERVEST OPERATING, L.L.C.

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

October 20, 2020

VIA USPS CERTIFIED MAILGlen Alvin Smith  
P.O. Box 938  
Wayne, WV 25570RE: Plugging Permit Marion Burgess #B-1 Well  
API# 47-099-00874  
Union District, Wayne County, WVRECEIVED  
Office of Oil and Gas

OCT 30 2020

WV Department of  
Environmental Protection

Dear Surface Owner:

EnerVest Operating, L.L.C. ("EnerVest"), the operator of the subject well ("Well"), plans to plug the Well in the near future. We have identified you as a current surface owner of the Well location and/or access road to the Well location. It is EnerVest's intention to plug the Well with the least amount of inconvenience and impact to you and your property.

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:



ENERVEST

ENERVEST OPERATING, L.L.C.

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

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

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

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Enclosures

cc: File

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<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	Postmark Here
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To <b>Glen Alvin Smith</b> Street and Apt. No., or PO Box No. <b>P.O. Box 938</b> City, State, ZIP+4® <b>Wayne, WV 25570</b>	
PS Form 3800, April 2015 PSN 7500 02-000-9017 See Reverse for Instructions	

47-099-00874 P



Inc.  
Tree  
19807

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<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	<u>Collinwood USA, Inc.</u>
Street and Apt. No., or PO Box No.	<u>1209 N. Orange Street</u>
City, State, ZIP+4®	<u>Wilmington, DE 19807</u>

**TIME DELIVERED**



Troy Valasek  
EnerVest Operating, L.L.  
1748 Saltwell Road  
Dover, OH 44622

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WV Department of  
Environmental Protection

**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:

Collinwood USA, Inc  
1209 N. Orange Street  
Wilmington, DE 19807



9590 9402 5428 9189 4794 73

2. Article Number (Transit from service label)

7019 1640 0001 4233 4335

PS Form 3831, July 2015 PSN 7530-02-000-9039

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X

B. Received by (Printed Name)

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D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

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- Signature Confirmation™
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Domestic Return Receipt

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47-099-00874P



ENERVEST

ENERVEST OPERATING, L.L.C.

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

October 20, 2020

VIA USPS CERTIFIED MAIL

Collingwood USA, Inc.  
1209 N. Orange Street  
Wilmington, DE 19807

RE: Plugging Permit Marion Burgess #B-1 Well  
API# 47-099-00874  
Union District, Wayne 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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Office of Oil and Gas

OCT 30 2020

WV Department of  
Environmental Protection





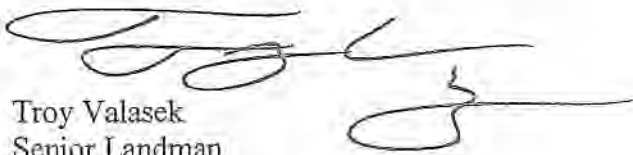
ENERVEST

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

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7019 1640 0001 4233 4335

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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	
\$	
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Collinwood USA, Inc.	
Street and Apt. No., or PO Box No.	
1209 N. Orange Street	
City, State, ZIP+4®	
Wilmington, DE 19807	
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

Postmark Here: OCT 30 2020

Troy V. Valasek

7019 1640 0001 4233 4328

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  - Registered Mail
  - Collect on Delivery
  - Collect on Delivery Restricted Delivery
  - Restricted Delivery
  - Restricted Delivery



9590 9402 5428 9189 4794 66

2. Article Number (Transfer from service label)

1. Article Addressed to:  
 Hay Mineral Resources, LLC  
 1544 Winchester Ave, Suite 1016  
 Ashland, KY 41101

- 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.

D. Is delivery address different from item 1?  Yes  No

B. Received by (Printed Name) \_\_\_\_\_  
 C. Date of Delivery \_\_\_\_\_

X  Agent  Addressee

A. Signature \_\_\_\_\_

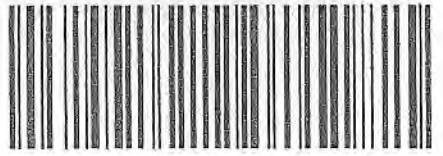
COMPLETE THIS SECTION ON DELIVERY

SENDER: COMPLETE THIS SECTION

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

**CERTIFIED MAIL**

Troy Valasek  
 EnerVest Operating, L.L.C.  
 1748 Saltwell Road  
 Dover, OH 44622



7019 1640 0001 4233 4328  
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 Certified Mail Restricted Delivery \$ \_\_\_\_\_  
 Adult Signature Required \$ \_\_\_\_\_  
 Adult Signature Restricted Delivery \$ \_\_\_\_\_  
 Postage \$ \_\_\_\_\_  
 Total Postage and Fees \$ \_\_\_\_\_

Sent to  
 Hay Mineral Resources, LLC  
 Street and Apt. No., or PO Box No.  
 1544 Winchester Ave, Suite  
 City, State, ZIP+4  
 Ashland, KY 41101  
 PS Form 3800, April 2015 PSN 7530-02-000-9047 See I

s, LLC  
 Suite 1016

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 WV Department of  
 Environmental Protection

47-099-008748



**ENERVEST**

**ENERVEST OPERATING, L.L.C.**

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

October 20, 2020

VIA USPS CERTIFIED MAIL

Hay Mineral Resources, LLC  
1544 Winchester Ave., Suite 1016  
Ashland, KY 41101

RE: Plugging Permit Marion Burgess #B-1 Well  
API# 47-099-00874  
Union District, Wayne 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:

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- Form WW-4B Application for a Permit to Plug and Abandon
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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

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47-099-00574 P



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

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7039 1640 0001 4233 4328

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For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a>	
<b>OFFICIAL USE</b>	
Certified Mail Fee \$ _____	OCT 26 2020 Postmark Here ✓  Troy V.
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 <b>Hay Mineral Resources, LLC</b> Street and Apt. No., or PO Box No. <b>1544 Winchester Ave., Suite 1016</b> City, State, ZIP+4® <b>Ashland, KY 41101</b>	
PS Form 3800, April 2015 PSN 7520-02-000-9000 See Reverse for Instructions	

47-099-00874P

WW-9  
(5/16)

API Number 47 - 099 - 00874  
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) Twelvepole Creek Quadrangle Guyandot

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

*TU 103020*

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



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: [Signature]

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Title: Imperh

Date: 10-30-20

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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 (HUC 10): Twelvepole Creek Quad: Guyandot

Farm Name: Marion W. Burgess

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: Left Fork/Wilson Creek 510' +

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

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

N/A

WW-9- GPP  
Rev. 5/16

Page 2 of 2  
API Number 47 - 099 - 00874  
Operator's Well No. \_\_\_\_\_

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

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.

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

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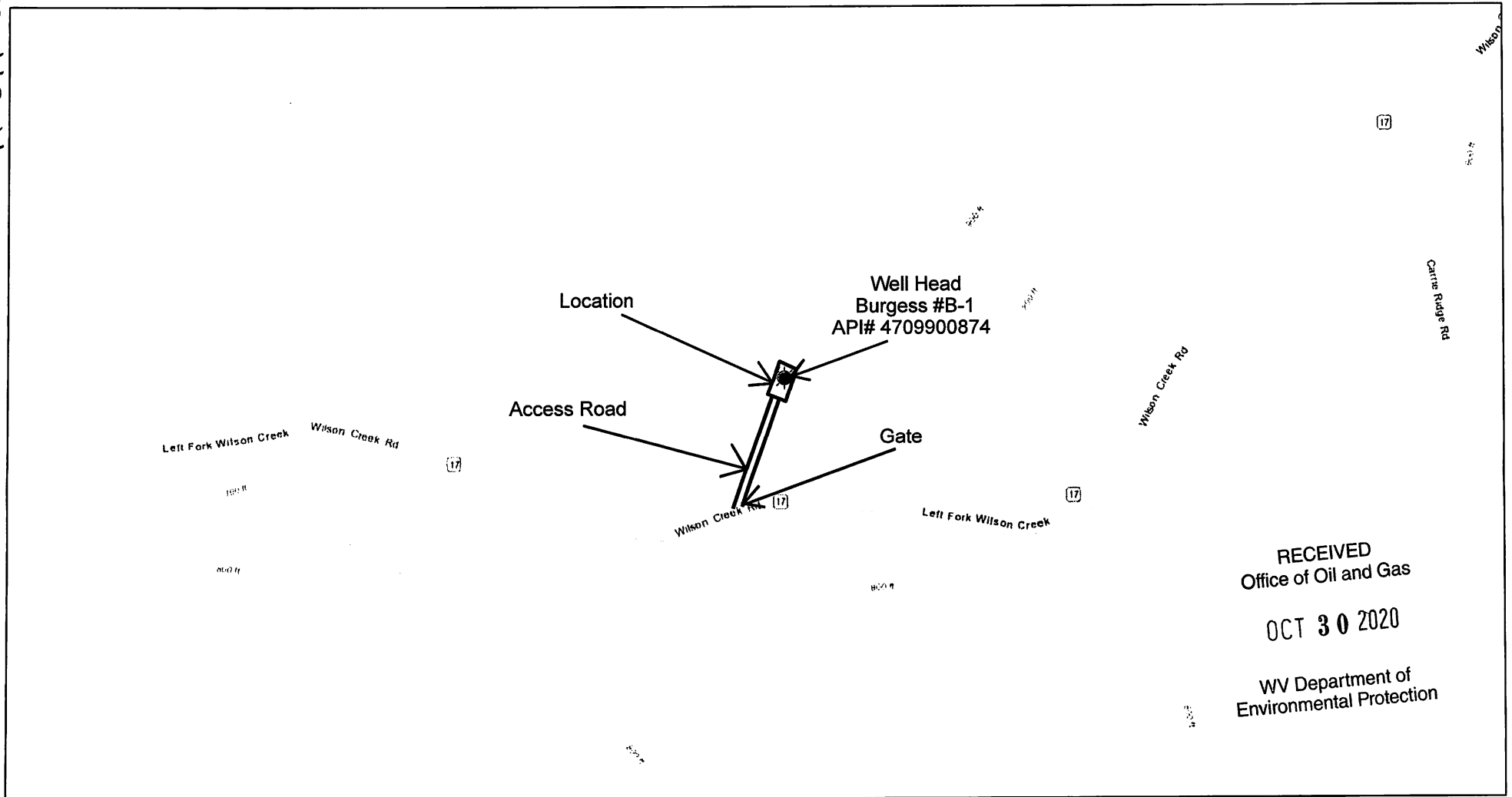
Signature: \_\_\_\_\_

Date: \_\_\_\_\_

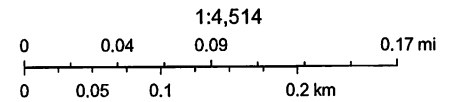


47-099-00874 P

# ArcGIS Web Map



10/13/2020, 11:05:14 AM



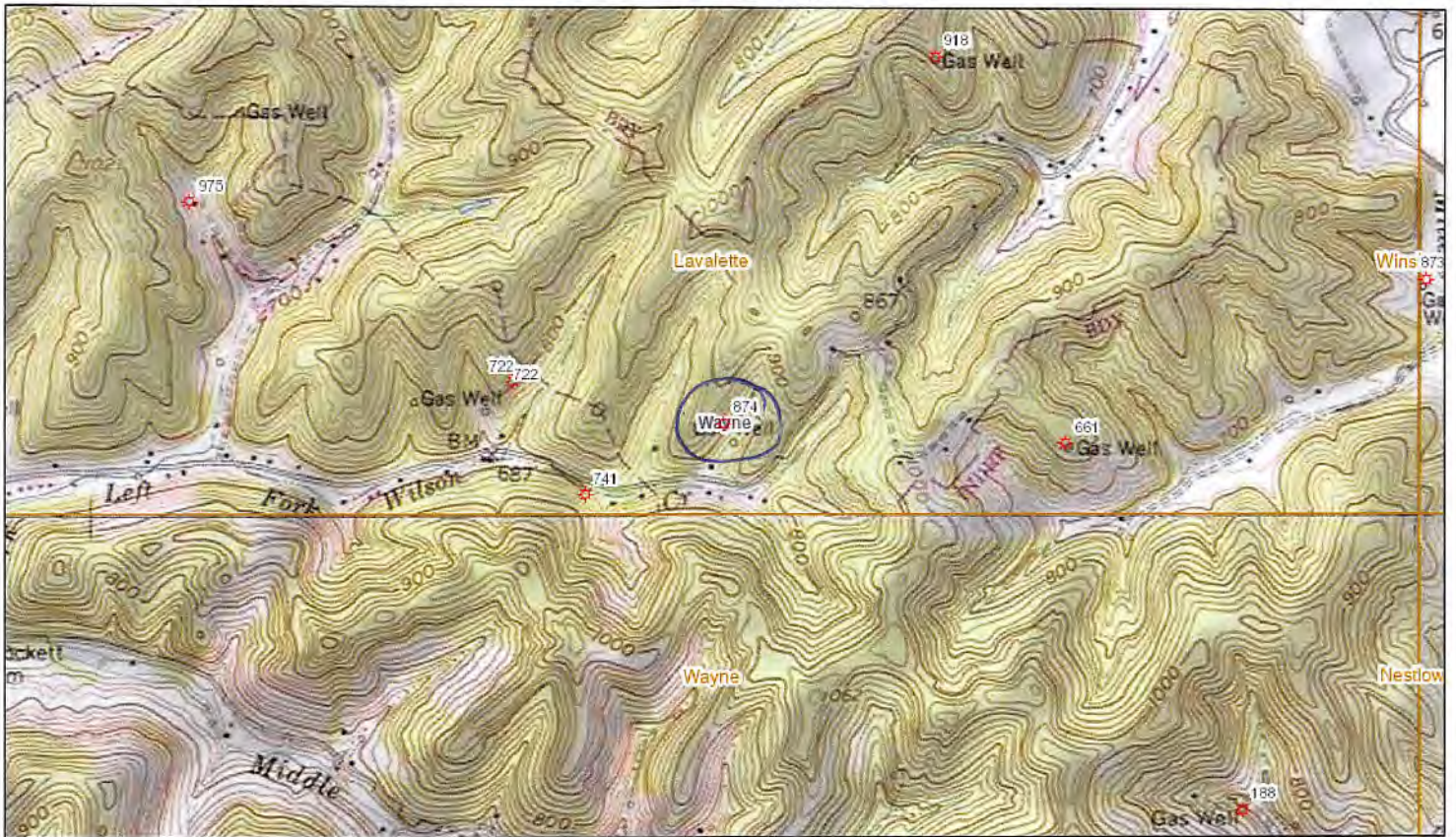
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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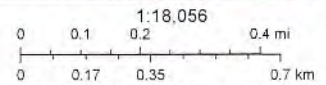
WV Department of  
Environmental Protection

### WV Oil & Gas Wells (WVOG)



5/21/2020, 12:30:16 PM

- Individual Wells
  - ★ Gas
  - Oil
  - ◆ Dry
  - ▲ Service
  - Oil and Gas Combination
  - Other ( including Permits)
- Labels (7.5' Quadrangles)
  - State Boundary
  - Counties
  - 7.5' Quadrangles
  - County Labels



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47-099-00874P

082.416666° W

082.400000° W

082.383333° W

38.266666° N

38.266666° N

38.250000° N

38.250000° N

38.233333° N

38.233333° N

082.416666° W

082.400000° W

082.383333° W



Magnetic Declination

7° W

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OCT 30 2020  
WV Department of  
Environmental Protection

47-099-00874P

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-099-00874 WELL NO.: Burgess #B-1

FARM NAME: Marion W. Burgess

RESPONSIBLE PARTY NAME: Troy M. Valasek

COUNTY: Wayne DISTRICT: Union

QUADRANGLE: Guyandot

SURFACE OWNER: Rennie Talbert, Sr.

ROYALTY OWNER: Collingwood USA, Inc./Hay Mineral Resources

UTM GPS NORTHING: 4234731.3

UTM GPS EASTING: 377802.9 GPS ELEVATION: 784.44

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

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Environmental Protection

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  
Signature Title

10/13/20  
Date