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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)

Wednesday, April 11, 2018  
WELL WORK PERMIT  
Vertical / Plugging

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

Re: Permit approval for S-877  
47-097-02884-00-00

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.

Please be advised that form WR-35, Well Operators Report of Well Work 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: S-877  
Farm Name: YOUNG, STEPHEN  
U.S. WELL NUMBER: 47-097-02884-00-00  
Vertical Plugging  
Date Issued: 4/11/2018

Promoting a healthy environment.

04/13/2018

12

97-02884P

## 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.

04/13/2018

1) Date February 19, 2018  
2) Operator's  
Well No. Stephen Young #1 S-877  
3) API Well No. 47-97-02884

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil \_\_\_ / Gas X / Liquid injection \_\_\_ / Waste disposal \_\_\_ /  
(If "Gas, Production \_\_\_ or Underground storage \_\_\_) Deep \_\_\_ / Shallow X

5) Location: Elevation 1291' Watershed Spruce Fork  
District Buckhannon County Upshur Quadrangle Adrian (7.5) Crawford (15)

6) Well Operator EnerVest Operating, L.L.C. 7) Designated Agent Barry K. Lay  
Address 300 Capitol Street, Suite 200 Address Same  
Charleston, WV 25301

8) Oil and Gas Inspector to be notified  
Name Bryan Harris  
Address P.O. Box 157  
Volga, WV 26238

9) Plugging Contractor  
Name Viking Well Service, Inc.  
Address 8113 Sissonville Drive  
Sissonville, WV 25320

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

See Attached Plugging Procedure

COAL CASING STRING HAS BEEN CEMENTED TO SURFACE.  
THEREFORE; PER WV CODE § 22-6-24 b (1), EXPANDING CEMENT MUST  
BE USED FROM A POINT 100' BELOW COAL CASING TO 100' INSIDE  
COAL PROTECTION STRING (200' EXPANDING CEMENT ACROSS CASING SHEET).

★ 13 OF PROCEDURE SHOULD BE 400' OF EXPANDING CEMENT.

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

Work order approved by inspector Bryan Harris Date 2-21-18

Stephen Young #1  
API# 47-097-02884  
Upshur County, WV  
Elevation: 1291' GL

Stephen Young #1 Well Data

Casing: 8-5/8" 23 ppf surface Csg @ 1053' cemented to surface  
4-1/2" 10.5 ppf production Csg @ 4102'

Tubing: N/A

Perforations: 2760'-2766', 2884'-2888', 3216'-3273', 3974'-3982'

Stephen Young #1 Procedure:

1. Prep Stephen Young #1 location.
2. Remove production equipment and install 4 x 2 swage
3. Shoot fluid level
4. MIRU Cementer & wireline unit
5. Locate top of fluid using 4'x1"x1" piece of lumber attached to wireline
6. Pump 3 bbl water
7. Pump 125 sks Class A down 4-1/2". Displace cement with 10 bbl 6% gel. Locate TOC. Continue displacement until TOC is at or around 2000'.
8. Shut down and wait on cement
9. MIRU wireline truck
10. RIH with sinker bars to make sure we can get down to 1300'. POOH
11. RIH with 2-1/2" perf guns. Shoot 2 feet at 4 spf (8 holes) @ 1250'. POOH
12. Circulate hole with 6% gel
13. Pump 111 sks (10% excess - 122 sks) Class A to set 400' cement plug across 8-5/8" and displace with 13.5 bbl 6% gel, leaving TOC @ 850'
14. Shut down/Wait on cement
15. ~~RIH with 2-1/2" perf guns. Shoot 2 feet at 4 spf (8 holes) @ 100'. POOH~~ DO NOT PERF, gun
16. Circulate hole with 6% gel
17. Pump 29 sks Class A to set 100' cement plug to surface
18. Erect a monument with API number attached.
19. Reclaim location

cut and pull all free 4 1/2" casing cement across casing cut.

Byron Harris

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97-02884P

State of West Virginia  
DEPARTMENT OF ENERGY  
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: WILSON, AUBREY Operator Well No.: S. YOUNG # S877

LOCATION: Elevation: 1291.00 Quadrangle: ADRIAN

District: BUCKHANNON County: UPSHUR  
Latitude: 10170 Feet South of 39 Deg. 0 Min. 0 Sec.  
Longitude 10565 Feet West of 80 Deg. 15 Min. 0 Sec.

Company: EMAX OIL COMPANY  
P.O. BOX 112  
SALEM, WV 26426-0112

Agent: JOHN T. HASKINS

Inspector: STEPHEN CASEY  
Permit Issued: 03/01/91  
Well work Commenced: 3/26/91  
Well work Completed: 4/2/91  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary x Cable \_\_\_\_\_ Rig  
Total Depth (feet) 4130  
Fresh water depths (ft) 65,170,210,500  
900  
Salt water depths (ft) \_\_\_\_\_  
Is coal being mined in area (Y/N)?  
Coal Depths (ft): 68-68,225,225-229  
290-295, 575-580, 900-905

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
11 3/4	30'		
8 5/8		1053	to surface
4 1/2		4092	350 sks

TOC ≈ 1800'

OPEN FLOW DATA

Balltown, Speechley

Producing formation Benson, Bradford Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 539 MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1100 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EMAX OIL COMPANY

By: John T. Haskins  
Date: 4/2/91

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Benson	3974-3982	Sand 50,000#	460 bbl water
Bradford	3221-3278	Sand 25,000#	250 bbl
Balltown	2888-2892	Sand 15,000#	162 bbl
Speechley	2762-2768	Sand 40,000#	441 bbl

Sand & Shale	0	65
Coal	65	68
Sand & Shale	68	225
Coal	225	229
Sand & Shale	229	290
Coal	290	295
Sand & Shale	295	575
Coal	575	580
Sand & Shale	580	900
Coal	900	905
Sand & Shale	905	1348
Big Lime	1348	1441
Big Injun	1441	1525
Sand & Shale	1525	2110
Fourth	2110	2140
Sand & Shale	2140	2760
Speechley	2760	2767
Sand & Shale	2767	2886
Balltown	2886	2894
Sand & Shale	2894	3215
Bradford	3215	3326
Sand & Shale	3326	3971
Benson	3971	4017
Sand & Shale	4017	4130 TD

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04/13/2018



Select County: (097) Upshur  (Check All)  
 Enter Permit #: 02884  
 Location  Production  Plugging  
 Owner/Completion  Stratigraphy  Sample  
 Pay/Show/Water  Logs  Btm Hole Loc  
 Get Data Reset

- [Table Descrptions](#)
- [County Code Translations](#)
- [Permit Numbering Series](#)
- [Usage Notes](#)
- [Contact Information](#)
- [Disclaimer](#)
- [WVGES Main](#)
- ["Pipeline Plus" New](#)

WV Geological & Economic Survey

Well: County = 97 Permit = 02884

Report Time: Thursday, December 14, 2017 12:28:55 PM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_16	LAT_DD	LONG_DD	UTME	UTMN
4709702884	Upshur	2884	Buckhannon	Adrian	Crawford	38.971963	-80.288961	561768	4313907.1

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
4709702884	4/2/1991	Original Loc	Completed	Aubry Wilson	S-877					Stephen Young		EMAX, Inc.	

Completion Information:

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	G_BEF	G_AFT	O_BEF	O_AFT
4709702884	4/2/1991	3/26/1991	1291	Ground Level	Abbt-Fmth Cx	Greenland Gap Fm	Benson	Development Well	Development Well	Gas	Rotary	Fractured	4130		4130	0	539	0	0

Pay/Show/Water Information:

API	CMP_DT	ACTIVITY	PRODUCT	SECTION	DEPTH_TOP	FM_TOP	DEPTH_BOT	FM_BOT	G_BEF	G_AFT	O_BEF	O_AFT	WATER_QNTY
4709702884	4/2/1991	Water	Fresh Water	Vertical			65						0
4709702884	4/2/1991	Water	Fresh Water	Vertical			170						0
4709702884	4/2/1991	Water	Fresh Water	Vertical			210						0
4709702884	4/2/1991	Water	Fresh Water	Vertical			500						0
4709702884	4/2/1991	Water	Fresh Water	Vertical			900						0
4709702884	4/2/1991	Pay	Gas	Vertical	2762	Speechley	2768	Speechley	0	0			
4709702884	4/2/1991	Pay	Gas	Vertical	2888	Balltown	2892	Balltown	0	0			
4709702884	4/2/1991	Pay	Gas	Vertical	3221	Bradford	3278	Bradford	0	0			
4709702884	4/2/1991	Pay	Gas	Vertical	3974	Benson	3982	Benson	0	0			

Production Gas Information: (Volumes in Mcf)

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_GAS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709702884	unknown	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	EMAX, Inc.	1991	562												562
4709702884	EMAX, Inc.	1992	20,533	205	181	9,574	1,206	220	881	1,350	2,120	1,043	1,056	1,152	1,545
4709702884	EMAX, Inc.	1993	10,945	1,608	1,628	1,062	974	1,674	711	1,295	927	1,066			
4709702884	Cabot Oil & Gas Corp.	1993	14,095	1,608	1,628	1,062	971	1,674	711	1,270	975	1,141	1,020	1,184	851
4709702884	Cabot Oil & Gas Corp.	1994	9,450	622	334	1,156	1,437	1,112	802	1,687	0	875	0	0	514
4709702884	Cabot Oil & Gas Corp.	1995	10,284	1,027	808	1,755	787	915	830	845	827	791	522	0	767
4709702884	Cabot Oil & Gas Corp.	1996	9,230	0	845	836	908	875	798	877	917	808	795	743	830
4709702884	Cabot Oil & Gas Corp.	1997	8,387	527	655	757	655	745	675	770	703	758	710	624	794
4709702884	Cabot Oil & Gas Corp.	1998	8,272	726	716	649	756	604	633	699	617	710	651	710	801
4709702884	Cabot Oil & Gas Corp.	1999	6,047	626	704	733	653	626	771	633	651	648	0	0	0
4709702884	Enervest Operating, LLC	1999	1,854	0	0	0	0	0	0	0	0	0	0	496	760
4709702884	Enervest Operating, LLC	2000	8,285	577	628	780	668	839	557	725	584	789	698	569	601
4709702884	Enervest Operating, LLC	2001	7,026	757	599	481	487	614	438	637	636	608	683	574	512
4709702884	Enervest Operating, LLC	2002	7,119	527	617	595	606	599	583	694	679	641	485	586	527
4709702884	Enervest Operating, LLC	2003	6,438	489	609	411	516	595	603	587	517	499	488	480	644
4709702884	Enervest Operating, LLC	2004	6,131	600	472	567	514	455	520	415	469	533	491	579	516
4709702884	Enervest Operating, LLC	2005	6,521	646	453	522	1,128	599	520	482	520	437	428	405	381
4709702884	Enervest Operating, LLC	2006	5,390	570	471	490	363	439	387	369	511	443	449	449	449
4709702884	Enervest Operating, LLC	2008	5,215	304	423	452	414	408	502	470	421	483	488	381	479
4709702884	Enervest Operating, LLC	2010	4,043	405	309	385	263	301	81	417	469	388	346	378	325
4709702884	Enervest Operating, LLC	2011	3,615	314	276	308	305	322	326	290	331	306	275	196	266
4709702884	Enervest Operating, LLC	2012	4,037	346	313	305	295	281	376	403	362	298	350	309	339
4709702884	Enervest Operating, LLC	2013	3,974	367	309	331	351	494	305	310	426	277	284	257	263
4709702884	Enervest Operating, LLC	2014	3,419	250	238	262	258	303	323	284	312	324	304	272	289
4709702884	Enervest Operating, LLC	2015	3,326	251	188	289	289	334	355	343	2	344	267	388	276
4709702884	Enervest Operating, LLC	2016	3,181	277	290	303	263	298	161	295	207	280	254	299	256

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

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_OIL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709702884	unknown	1990	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	EMAX, Inc.	1991	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	EMAX, Inc.	1992	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	EMAX, Inc.	1993	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Cabot Oil & Gas Corp.	1994	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Cabot Oil & Gas Corp.	1995	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Cabot Oil & Gas Corp.	1996	5	0	0	0	0	0	0	0	0	5	0	0	0
4709702884	Cabot Oil & Gas Corp.	1997	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Cabot Oil & Gas Corp.	1998	4	0	0	0	2	1	1	0	0	0	0	0	0
4709702884	Cabot Oil & Gas Corp.	1999	5	0	2	0	2	1	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	1999	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2000	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2001	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2002	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2003	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2004	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2005	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2006	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2008	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2010	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2011	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2012	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2016	0	0	0	0	0	0	0	0	0	0	0	0	0

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

API	PRODUCING_OPERATOR	PRD_YEAR	ANN_NGL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DCM
4709702884	Enervest Operating, LLC	2013	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2014	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2015	0	0	0	0	0	0	0	0	0	0	0	0	0
4709702884	Enervest Operating, LLC	2016	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
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*Jamie*  
*3/1/91*

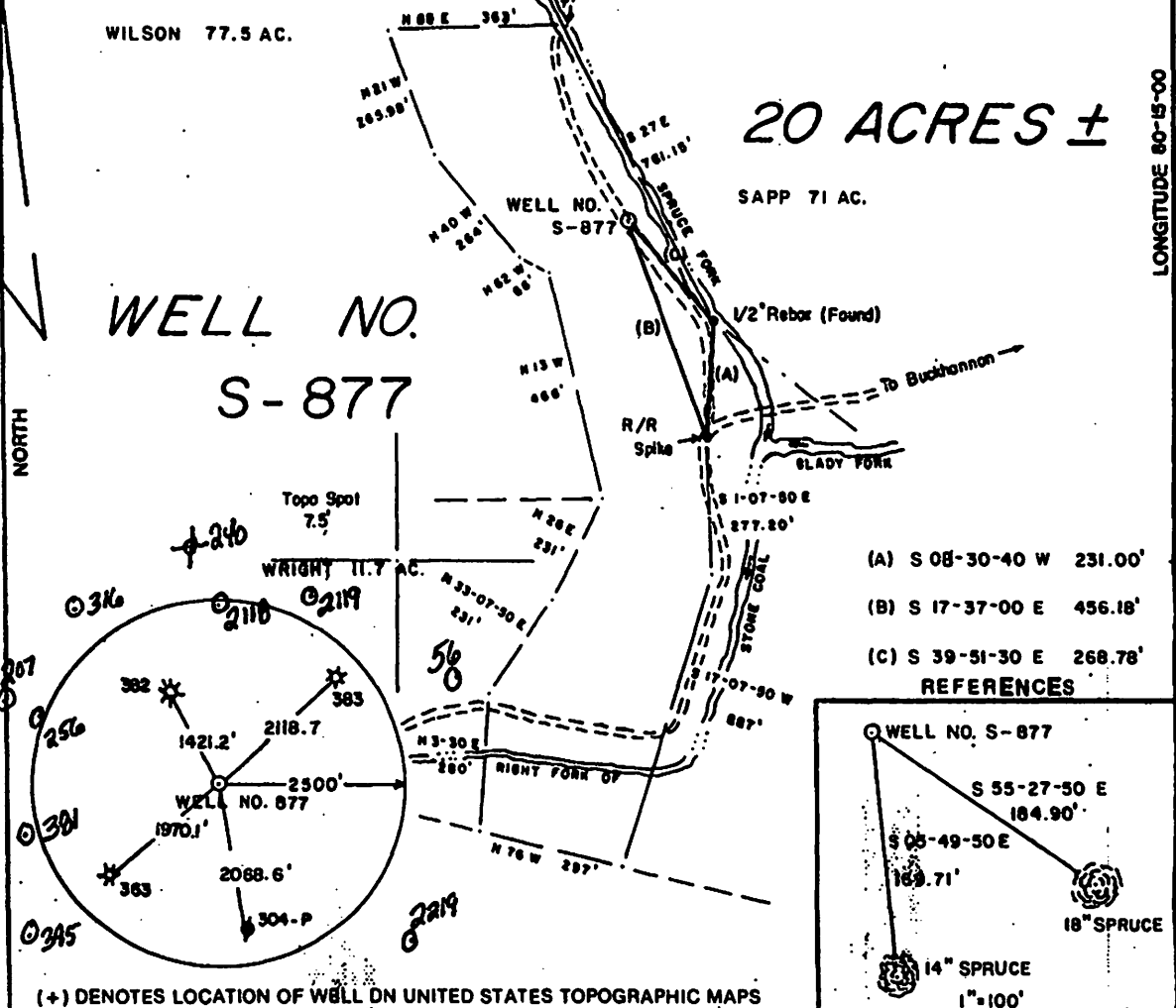
# YOUNG LEASE

WILSON 77.5 AC.

## 20 ACRES ±

SAPP 71 AC.

### WELL NO. S-877



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 300'  
 MINIMUM DEGREE OF ACCURACY 1/200  
 PROVEN SOURCE OF ELEVATION B.M. 1443 AT JUNCTION OF ROADS IN ATLAS

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT 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 DEPARTMENT OF ENERGY.  
 (SIGNED) Robert H. Davis  
 R.P.E. \_\_\_\_\_ L.L.S. 800

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



DATE FEBRUARY 12, 1991  
 OPERATOR'S WELL NO. 8-877 Redist  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1281 WATERSHED SPRUCE FORK & RIGHT FORK OF STONE COAL  
 DISTRICT BUCKHANNON COUNTY UPSHUR  
 QUADRANGLE ADRIAN 7.5'  
 SURFACE OWNER AUBRY WILSON ACREAGE 20 of 93.88 ac.  
 OIL & GAS ROYALTY OWNER STEPHEN YOUNG LEASE ACREAGE 20  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR  
 STIMULATE X PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BENSON ESTIMATED DEPTH 4125  
 WELL OPERATOR EMAX OIL COMPANY DESIGNATED AGENT DARRELL WRIGHT  
 ADDRESS P.O. BOX 112, SALEM, WV 26426 ADDRESS P.O. BOX 112, SALEM, WV 26426

UPSHUR COUNTY NAME PERMIT RECEIVED of Oil and Gas FEB 23 2018 WV Department of Environmental Protection

04/13/2018



WW-4A  
Revised 6-07

1) Date: February 19, 2018  
2) Operator's Well Number  
Stephen Young #1 S-877

3) API Well No.: 47 - 097 - 02884

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

4) Surface Owner(s) to be served:  
(a) Name Margaret J. Wilson  
Address 80 South Kanawha Street  
Buckhannon, WV 26201  
(b) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Name \_\_\_\_\_  
Address \_\_\_\_\_  
6) Inspector Bryan Harris  
Address P.O. Box 157  
Volga, WV 26238  
Telephone 304-553-6087

5) (a) Coal Operator  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(b) Coal Owner(s) with Declaration  
Name Coalquest Development LLC  
Address 300 Corporate Centre Drive  
Scott Depot, WV 25560  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

RECEIVED  
Office of Oil and Gas  
FEB 23 2018  
WV Department of  
Environmental Protection

**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, L.L.C.  
By: Barry K. Lay  
Its: Senior Vice President and General Manager, Appalachia North/Monroe Assets  
Address 300 Capitol Street, Suite 200  
Charleston, WV 25301  
Telephone 304-343-5505

Subscribed and sworn before me this 19th day of February, 2018  
[Signature] Notary Public  
My Commission Expires May 3, 2022



**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

97-02884P

EnerVest Operating, L.L.C.  
Eastern Division

1064 Old Route 33, Weston, WV 26452-7722  
Phone (304) 517-1102 Fax (304) 517-1107

VIA CERTIFIED MAIL

February 22, 2018

Ms. Margaret J. Wilson  
80 South Kanawha Street  
Buckhannon, WV 26201

Re: Plugging Permit Stephen Young #1 S-877  
API# 47-097-02884  
Buckhannon District, Upshur County, WV

Dear Surface Owner:

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

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

This application is being filed by 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 enclosed envelope.

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

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

04/13/2018

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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 surface 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.

Jerry L. Jackson  
Senior District Landman

Enclosures

cc: File

U.S. Postal Service™  
**CERTIFIED MAIL™ RECEIPT**  
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Postage	\$	
Certified Fee		3.35
Return Receipt Fnd (Endorsement Required)		2.75
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	7.83

26372

FEB 22 2018  
 HORNER, WV

Sent to: Maryann J. Wilkins  
 Street, Apt. No., or PO Box No: 50 South Kanawha St.  
 City, State, ZIP+4: Buckhannon, WV 26201

PS Form 3800, August 2006 See Reverse for Instructions

4572 9326 0000 0741 6002

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EnerVest Operating, L.L.C.  
Eastern Division

1064 Old Route 33, Weston, WV 26452-7722  
Phone (304) 517-1102 Fax (304) 517-1107

VIA CERTIFIED MAIL

February 22, 2018

CoalQuest Development LLC  
300 Corporate Centre Drive  
Scott Depot, WV 25560

Re: Plugging Permit Stephen Young #1 S-877  
API# 47-097-02884  
Buckhannon District, Upshur County, WV

Dear Coal Owner:

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

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

This application is being filed by 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 waivers and return one copy to our office in the enclosed envelope.

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


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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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 surface 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.

  
Jerry L. Jackson  
Senior District Landman

Enclosures

cc: File

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Postage	\$
Certified Fee	3.45
Return Receipt Fee (Endorsement Required)	2.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.83

Postmark: FEB 22 2018 HORNERS, WV

Sent To: Coal Quest Development, LLC  
Street, Apt. No., or PO Box No: 300 Corporate Center Drive  
City, State, ZIP+4: Scott Depot, WV 25560

PS Form 3800, August 2006 See Reverse for Instructions

04/13/2018

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

CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM  
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

Operator Name EnerVest Operating, L.L.C. OP Code 30-9999

Watershed Spruce Fork Quadrangle Adrian (7.5) Crawford (15)

Elevation 1,291' County Upshur District Buckhannon

Description of anticipated Pit Waste: No Pit To Be Built

Will a synthetic liner be used in the pit? N/A *ANY WELL EFFLUENT MUST BE CONTAINED IN TANKS AND DISPOSED OF OFFSITE, PROPERLY. JNM*

Proposed Disposal Method For Treated Pit Wastes:  
 Land Application  
 Underground Injection ( UIC Permit Number \_\_\_\_\_ )  
 Reuse (at API Number \_\_\_\_\_ )  
 Off Site Disposal (Supply form WW-9 for disposal location)  
 Other (Explain \_\_\_\_\_ )

Proposed Work For Which Pit Will Be Used:  
 Drilling  Swabbing  
 Workover  Plugging  
 Other (Explain No Pit To Be Built \_\_\_\_\_ )

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, 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 *Barry K. Lay*  
Company Official (Typed Name) Barry K. Lay  
Company Official Title Senior Vice President and General Manager, Appalachia North/Monroe Assets

Subscribed and sworn before me this 19<sup>th</sup> day of February, 2018

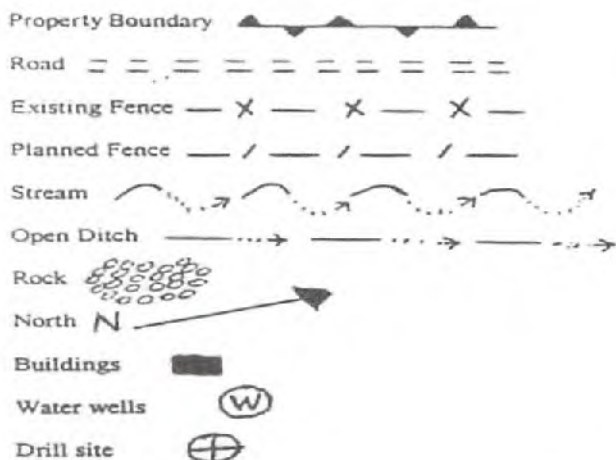
*Jerry L. Jackson* Notary Public

My commission expires May 3, 2022

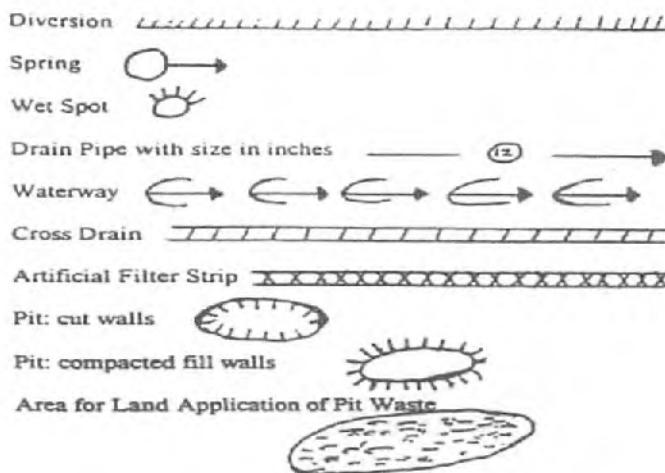


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LEGEND



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 (10-20-20 or equivalent) 500 lbs/acre (500 lbs minimum)  
 Mulch Hay or Straw 2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Orchardgrass	25	Orchardgrass	25
Birdsfoot Trefoil	15	Birdsfoot Trefoil	15
Ladino Clover	10	Ladino Clover	10

Attach:  
 Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

See Attached GPS Well Location Form: GPS WW-7

Plan Approved by: Bryan O'Hara

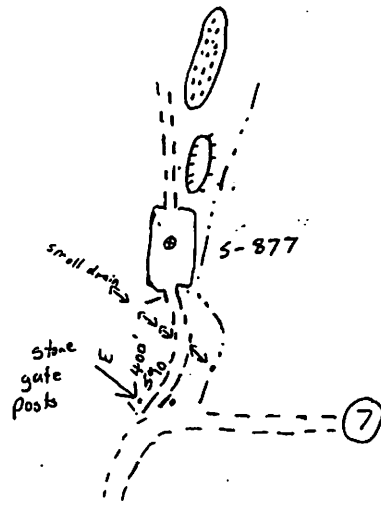
Comments: \_\_\_\_\_

Title: Inspector Date: 2-21-18

Field Reviewed?  Yes  No

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Existing Road  
All the way  
to Location



COPY OF ORIGINAL SITE PLAN AS PERMITTED.

NOTE: FOR PLUGGING NO PITS WILL BE BUILT.

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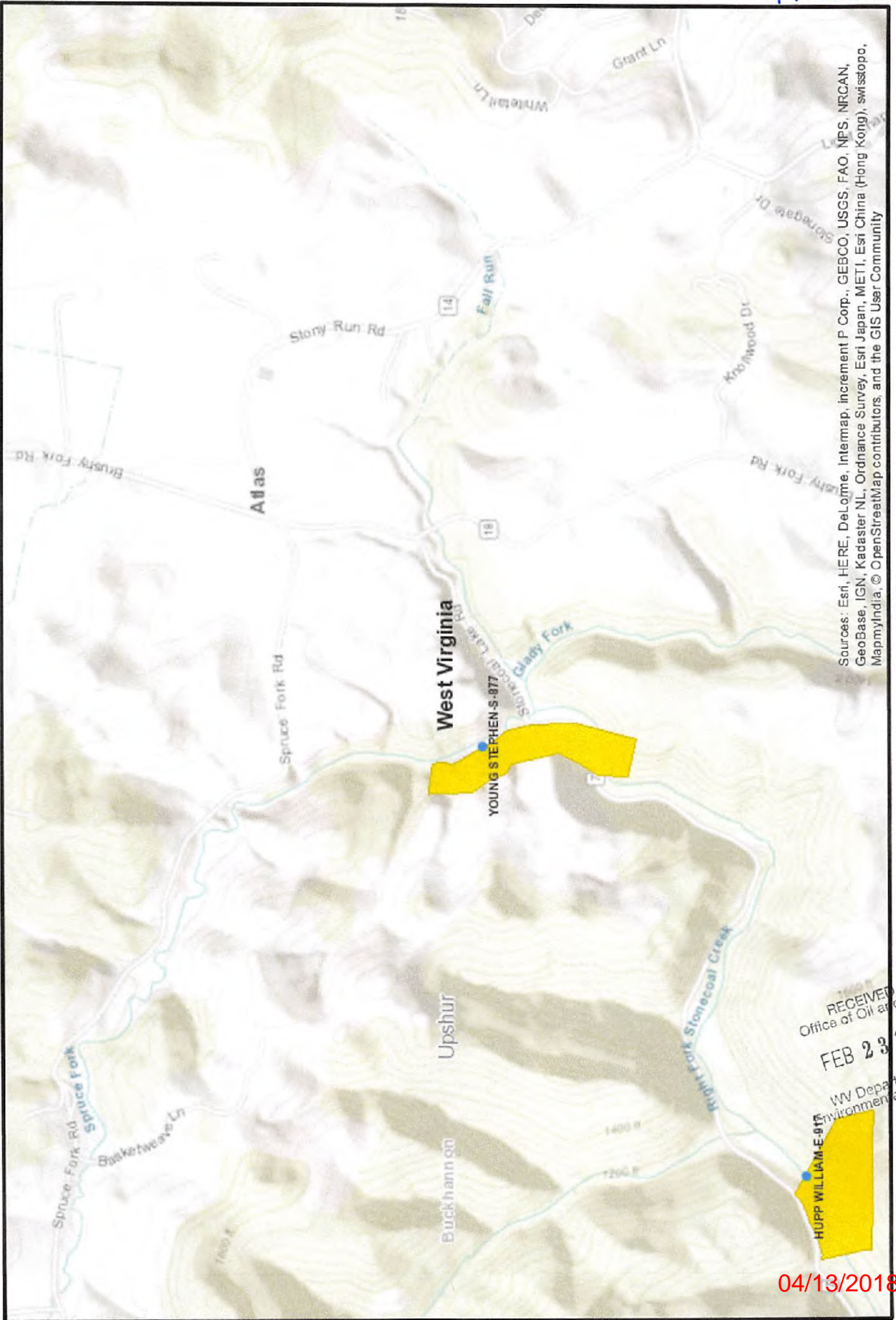


ENERVEST

# Stephen Young #1 S-877

Date Printed: 2017-12-14

97-02884P



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

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WW-7  
8-30-06



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

API: 47-097-02884 WELL NO.: Stephen Young #1 S-877

FARM NAME: Wilson

RESPONSIBLE PARTY NAME: Jerry L. Jackson

COUNTY: Upshur DISTRICT: Buckhannon

QUADRANGLE: ~~Crawford~~ AORIAN

SURFACE OWNER: Margaret J. Wilson (02-4H-32)

ROYALTY OWNER: Stephen G. Young Family Trust, etal

UTM GPS NORTHING: 4313907.1

UTM GPS EASTING: 561768 GPS ELEVATION: 1291'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_

Real-Time Differential \_\_\_\_

Mapping Grade GPS \_\_\_\_: Post Processed Differential \_\_\_\_

Real-Time Differential \_\_\_\_

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Signature

Sr. District Landman  
Title

February 19, 2018  
Date

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