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west virginia department of environmental protection

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

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

Friday, July 27, 2018  
WELL WORK PLUGGING PERMIT  
Vertical Plugging

STALNAKER ENERGY CORPORATION  
P. O. BOX 178

GLENVILLE, WV 263510000

Re: Permit approval for MW-01  
47-017-06871-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

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

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

James A. Martin  
Chief

Operator's Well Number: MW-01  
Farm Name: MarkWest Liberty Midstream & I  
U.S. WELL NUMBER: 47-017-06871-00-00  
Vertical Plugging  
Date Issued: 7/27/2018

Promoting a healthy environment.

H

## 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.

1) Date 6/25, 2018

2) Operator's  
Well No. MW-01

3) API Well No. 47-017-72516

ORIGINAL API # 47-017-72516

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 \_\_\_

5) Location: Elevation 923 Watershed Meathouse Fork and Buckeye Creek  
District West Union County Doddridge Quadrangle Smithburg

6) Well Operator Stalnaker Energy Corporation 7) Designated Agent Ron Stalnaker  
Address P.O. Box 178 Address P.O. Box 178  
Glennville, WV 26351 Glennville, WV 26351

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Daniel Flack Name Stalnaker Energy Corporation  
Address 601-57th Street Address P.O. Box 178  
Charleston, WV 25304 Glennville, WV 26351

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

\*Please see attached work order

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WV Department of  
Environmental Protection

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

Work order approved by inspector DAN FLACK Date 7/27/18

*JAM*

Operator: Stalnaker Energy Corporation

WW-4B 10) Work Order

Well Conditions: Well is an orphaned well with no historical records. Total depth is unknown. On the surface we have what appears to be 7" casing in relatively good condition. Inside the 7" about 3 inches below the top of the 7" is what appears to be 2" tubing. It is apparent that some type of connection, maybe a clamp, was attached to the 2" which is badly deteriorated.

1. Rig up service rig with 2" spear. Attempt to spear and pull the 2" tubing.
2. Pull, measure and lay down 2" tubing. IF tubing separates continue to spear to try recover all 2" tubing.
3. Determine estimated total depth from the tubing tally. Trip in hole with tools to confirm total depth.
4. Load hole with 6% gel.
5. Rig up Wireline and run CCL / Bond log / Caliper from total depth to surface.
6. If a cement top can be determined behind the 7" casing, run a free point to confirm.
7. Trip in hole with 2 3/8" tubing to total depth.
8. Circulate hole with gel and attempt to lower tubing to confirm a true/solid total depth.
9. Mix and pump 200 foot bottom hole plug, 48 sks, Class "A" cement, yield 1.18 ft<sup>3</sup>/sk. Displace to balance plug.
10. Pull tubing above plug and reverse circulate to clear tubing.
11. WOC - 4 hours. Tag plug.
12. If a cement top and free point was established in Step 6, cut 7" at free point.
13. After making sure the 7" is free, pump 100 foot plug at casing cut using the 7" to prevent hole caving. Assume 10" hole outside 7". 58 sks, Class "A" cement, yield 1.18 ft<sup>3</sup>/sk. With 25% excess. Displace to balance plug.
14. Pull 7" to 975', 50' below elevation of 923'. Set 200 foot plug, 116 sks. Class "A" cement, yield 1.18 ft<sup>3</sup>/sk. With 25% excess. Displace to balance plug.
15. Pull and lay down 7" to 200'.
16. Cement to surface using 116 sks. Class "A" cement, yield 1.18 ft<sup>3</sup>/sk. With 25% excess.
17. Pull remaining 7" casing and grout cement to surface.
18. Set marker to allow for backfilling of location.

**NOTE: THIS PROCEDURE IS DEPENDENT UPON WELL CONDITIONS ONCE WE HAVE BEEN ABLE TO PULL THE 2" TUBING. ADJUSTMENTS TO PROCEDURE IF OTHER CASING OR CONDITIONS UNACCOUNTED FOR ARE ENCOUNTERED AND WILL BE DISCUSSED WITH WVDEP INSPECTOR.**

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Select County: **(017) Doddridge** Select datatypes:  (Check All)

Enter Permit #: **072516**

Location     Production     Plugging  
 Owner/Completion     Stratigraphy     Sample  
 Pay/ShowWater     Logs     Btm Hole Loc

Get Data    Reset

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

WV Geological & Economic Survey:

Well: County = 17 Permit = 072516

Report Time: Friday, July 27, 2018 10:46:02 AM

Location Information: [View Map](#)

API	COUNTY	PERMIT	TAX_DISTRICT	QUAD_75	QUAD_15	LAT_DD	LON_DD	UTME	UTMN
4701772516	Doddridge	72516	West Union	Smithburg	Centerpoint	39.281156	-80.729253	523351.4	4348012.5

There is no Bottom Hole Location data for this well

Owner Information:

API	CMP_DT	SUFFIX	STATUS	SURFACE_OWNER	WELL_NUM	CO_NUM	LEASE	LEASE_NUM	MINERAL_OWN	OPERATOR_AT_COMPLETION	PROP_VD	PROP_TRGT_FM	TFM_EST_PR
4701772516	--			unknown	Prpty Map	N	Harshbarger		1				unknown

Completion Information:

API	CMP_DT	SPUD_DT	ELEV	DATUM	FIELD	DEEPEST_FM	DEEPEST_FMT	INITIAL_CLASS	FINAL_CLASS	TYPE	RIG	CMP_MTHD	TVD	TMD	NEW_FTG	KOD	G_BEFO	G_AFT	O_BEFO	O_AFT
4701772516	--	--						unclassified	unclassified	not available	unknown	unknown								

There is no Pay data for this well

There is no Production Gas data for this well

There is no Production Oil data for this well \*\* some operators may have reported NGL under Oil

There is no Production NGL data for this well \*\* some operators may have reported NGL under Oil

There is no Production Water data for this well

There is no Stratigraphy data for this well

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

There is no Plugging data for this well

There is no Sample data for this well

**SURFACE OWNER WAIVER**Operator's Well  
Number

MW-01

**INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A**

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

**NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.****WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:**

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

**Time Limits and methods for filing comments.** The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

**Comments must be in writing.** Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON  
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name <u>MackWest Liberty Midstream &amp; Resources LLC</u>
Signature		By <u>Robert Garter</u>
		Its <u>Vice President</u> Date <u>07/09/18</u>
		<u>[Signature]</u> Date <u>07/09/18</u>
		Signature _____ Date _____

WW-4C  
Rev 7/27/04

**STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**SPECIAL NOTICE OF PLUGGING OF AN ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY WHO IS NOT THE OWNER OR OPERATOR OF THE WELL.**

(Page 1 of 2)

ABANDONED WELL TO BE PLUGGED:

API Well No: 47-017 - 72516

Elevation: 923 Watershed: Meathouse Fork and Buckeye Creek

District: West Union County: Doddridge

Public Road access: Snow Bird Road, West Union, WV 26456

Generally used Farm Name: \_\_\_\_\_

Other description of location: \_\_\_\_\_

**NOTICE TO:**

[List any owners of the surface of the land upon which such abandoned well exists and their address or their location for service.]

**MarkWest Liberty Midstream & Resources LLC**

**4600 J. Barry Court, Suite 500, Canonsburg, PA 15317**

[List any owner or operator of such abandoned well of record with the Secretary of the Department of Environmental Protection their address or their location for service]

[List any oil or gas lessee of record with the Secretary of the Department of Environmental Protection and their address or location for service:]

**NOTICE FROM:**

Interested Party Proposing to Plug Well

Name: Sherwood Midstream LLC

Address: 4600 J. Barry Court, Suite 500

Canonsburg, PA 15317

Telephone: 724-416-0520

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DOES THE INTERESTED PARTY ELECT TO TAKE THE CASING, EQUIPMENT, AND OTHER SALVAGE WHICH MAY RESULT FROM THE PLUGGING OF THE WELL? [] YES [  ] NO

If the interested party has checked "no" then the surface owners may elect to take any casing, equipment or other salvage by sending a notice to the interested party at the address listed above. The interested party must then leave the salvage at a location which will not adversely affect reclamation. If the surface owners do not elect to take the salvage, the interested party must properly dispose of the salvage.

[Service of this notice may be by certified mail return receipt requested (file the return receipt card with the Department of Environmental Protection DEP), personal service (file form WW-70 with the DEP) or by such manner as is sufficient for service of process in a civil action in court (with corresponding proof of service to be filed with the DEP). In the event there is no owner or operator of record with the Chief or no oil and gas lessee of record with the Chief, this notice must be posted in a conspicuous place at or near the well. Service and posting must be done at least 20 days prior to entering onto the surface to begin plugging.]

# STATE OF WEST VIRGINIA - DEPARTMENT OF ENVIRONMENTAL PROTECTION

## SPECIAL NOTICE OF PLUGGING OF ABANDONED OIL OR GAS WELL BY AN INTERESTED PARTY

(Page 2 of 2)

### NOTICE INFORMATION FOR SURFACE OWNERS, WELL OWNERS AND OPERATORS, AND OIL AND GAS LESSEES

It is lawful pursuant to The West Virginia Abandoned Well Act (W.Va. Code 22-6-1 et seq.) and the rules and regulations promulgated pursuant to that law (all of which will be called the "Act" in the rest of this notice) for any interested person, the operator of a well, or the Chief of the Department of Environmental Protection (Chief) to enter upon the premises where any abandoned well is situated and properly plug or replug the well and reclaim any area disturbed by the plugging or replugging. A permit to do the plugging or replugging must be obtained from the West Virginia Department of Environmental Protection.

You are hereby notified that the party proposing to plug the oil or gas well identified on the reverse side of this notice is claiming to be an "interested party" in the plugging of that well as that term is defined by the Act. This interested party is claiming that well is "abandoned" within the meaning of W. Va. Code 22-6-19 because it is a dry hole or because it has not been in "use" for a period of 12 months and no satisfactory proof of a "bona fide" future use" for the well has been furnished to the Director.

### ADDITIONAL NOTICE INFORMATION FOR SURFACE OWNERS

Any interested person who plugs a well pursuant to the provision of the Act must repair the damage or disturbance resulting from the plugging or compensate the surface owners for the damage or disturbance. This requirement of the Act is in addition to any rights and remedies any party may have pursuant to common law or other statutes. The compensation provided by the Act if the interested party does not fully repair the damage or disturbance is (i) the reasonable cost of repairing or placing any water well, (ii) the reasonable value of any crops destroyed, damaged or prevented from reaching market, (iii) the reasonable cost of repair to personal property up to the value of the replacement value of personal property of like age, wear and quality, (iv) lost income or expense incurred, and (v) reasonable costs to reclaim or repair real property including roads.

When the interested person is finished with the reclamation, the interested person must send the surface owners a letter advising that the reclamation has been completed. If the surface owners do not agree with the interested party that as to the adequacy of the repairs performed or the amount of compensation to which the surface owners may be entitled, either party may bring a civil action in court. In addition either party upon written notice to the other may elect to have that issue finally determined by binding arbitration pursuant to W. Va. Code 55-10-1 et seq. For materials further explaining the arbitration process please contact the Chief.

### ADDITIONAL NOTICE INFORMATION FOR OWNERS OR OPERATORS OF WELLS

In the event the owner or operator of a well fails or has failed to plug an abandoned well in accordance with laws and regulations in effect at the time the well is or was first subject to plugging requirements, any interested persons who plugs or replugs such well pursuant to the provisions of this section may recover from the owner or operator of such well all reasonable costs incidental to such plugging or replugging, including any compensation provided for in this section. In the event funds from the oil and gas reclamation fund established pursuant to section twenty-nine, article one of this chapter are used to plug or replug such well, the Secretary shall be entitled to recover from the owner or operator of such well any amounts so expended from the fund. Any amounts so recovered by the Chief shall be deposited in said fund.

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#### Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



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

Operator Name Stalnak Energy Corporation OP Code 306862

Watershed (HUC 10) Meathouse Fork and Buckeye Creek Quadrangle Smithburg

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

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

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

Proposed Disposal Method For Treated Pit Wastes:

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

Will closed loop system be used? If so, describe: Well will be plumbed into a closed tank and disposed at an approved facility.

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

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

Additives to be used in drilling medium? Bentonite Gel

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

-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 [Signature]  
Company Official (Typed Name) Ron Stalnak  
Company Official Title President

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WV Department of Environmental Protection

Subscribed and sworn before me this 29th day of June

Rebecca J Stalnak

My commission expires Feb 26, 2022



Proposed Revegetation Treatment: Acres Disturbed \_\_\_\_\_ Prevegetation pH \_\_\_\_\_

Lime \_\_\_\_\_ Tons/acre or to correct to pH \_\_\_\_\_

Fertilizer type \_\_\_\_\_

Fertilizer amount \_\_\_\_\_ lbs/acre

Mulch \_\_\_\_\_ Tons/acre

**Seed Mixtures**

**Temporary**

**Permanent**

Seed Type                      lbs/acre

Seed Type                      lbs/acre

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Attach:**

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: \_\_\_\_\_

Comments: Site is to be backfilled with 90 feet of fill for construction purposes and therefore will not be seeded and mulched.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Environmental Protection

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

Field Reviewed?      (      ) Yes      (      ) No

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

Operator Name: Stalnaker Energy Corporation  
Watershed (HUC 10): Meathouse Fork and Buckeye Creek Quad: Smithburg  
Farm Name: \_\_\_\_\_

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

No fluids will be discharged. Well head will be contained and all fluids transported to an approved disposal facility.

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

NA

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

NA

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

NA

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

NA

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

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.

NA

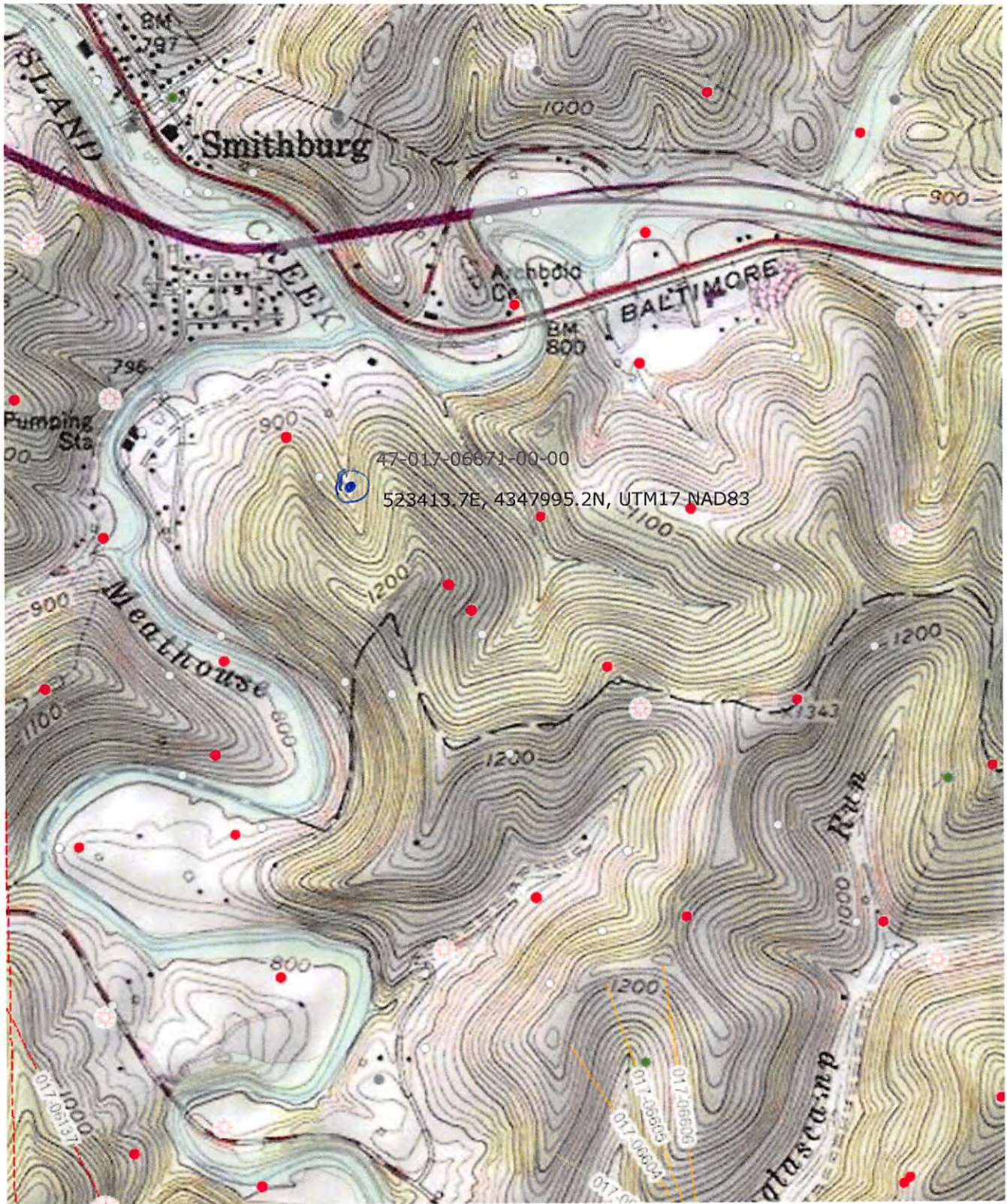
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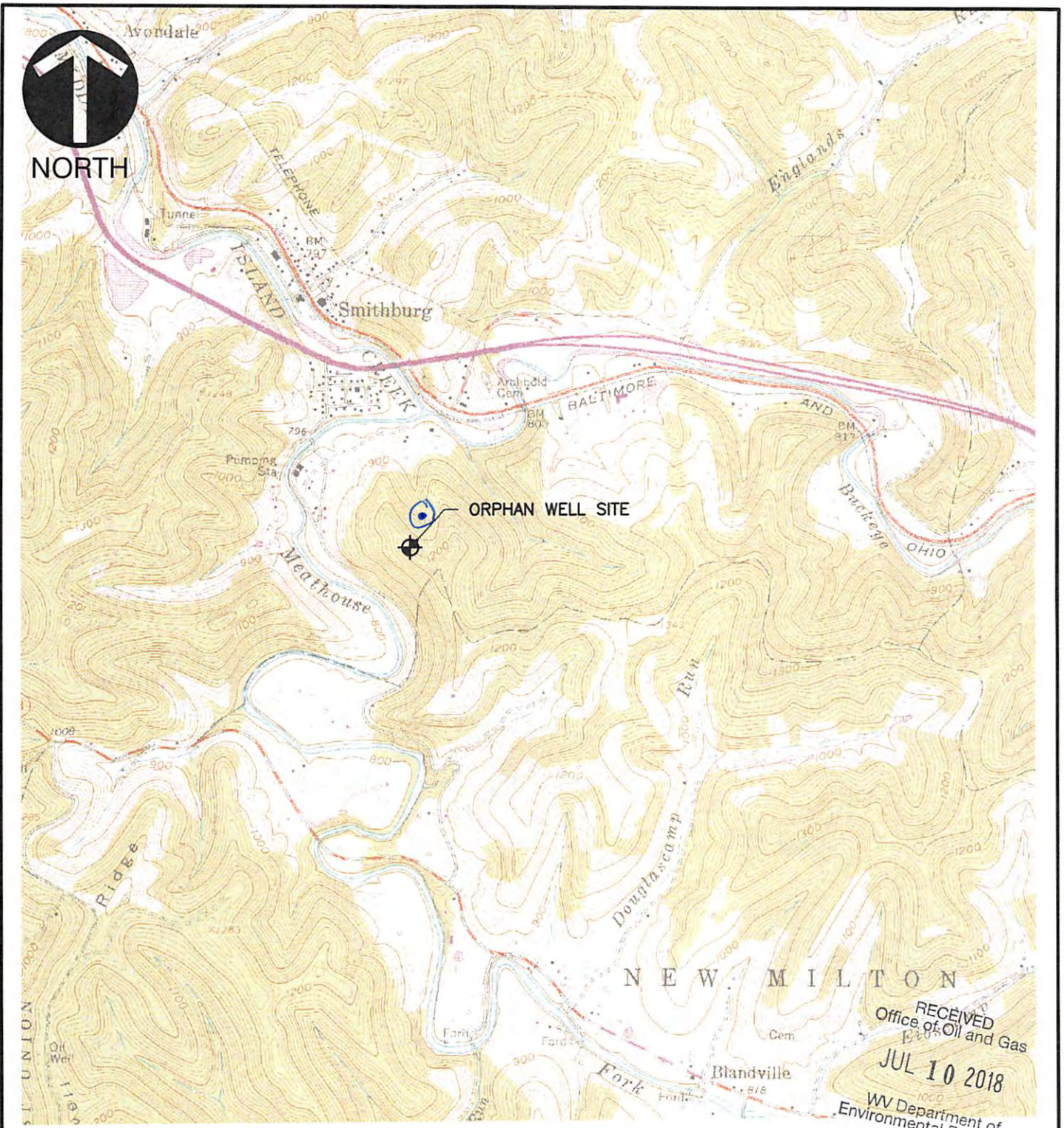
8. Provide provisions and frequency for inspections of all GPP elements and equipment.

All containment to be inspected at the beginning of each work shift.

Signature: 

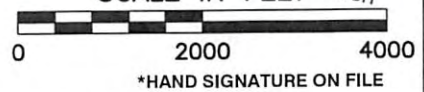
Date: 06-29-18





**REFERENCE**

1. USGS 7.5 MIN. TOPOGRAPHIC QUADRANGLE SMITHBURG, WV, DATED 1961. PHOTOREVISED 1976.



**Civil & Environmental Consultants, Inc.**

333 Baldwin Road - Pittsburgh, PA 15205  
 412-429-2324 · 800-365-2324  
 www.cecinc.com

SHERWOOD MIDSTREAM LLC  
 SMITHBURG NATURAL GAS  
 PROCESSING FACILITY  
 DODDRIDGE COUNTY, WEST VIRGINIA

ORPHAN WELL LOCATION MAP

DRAWN BY:	KLP	CHECKED BY:	RPC	APPROVED BY:	*RPC	FIGURE NO.:	<b>SP17</b>
DATE:	6/25/2018	DWG SCALE:	1"=2,000'	PROJECT NO.:	130-359.0209		

P:\2013\130-359\CADD\DWG\TASK 0209\130359.0209-CV01-SP17.dwg[SP17] LS:(25/06/2018 - kpoole) - LP: 6/25/2018 11:16 AM

WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas

**WELL LOCATION FORM: GPS**

API: 47-017-72516 WELL NO.: MW-01

FARM NAME: MarkWest Liberty Midstream & Resources LLC

RESPONSIBLE PARTY NAME: Stalnaker Energy Corporation

COUNTY: Doddridge DISTRICT: West Union

QUADRANGLE: Smithburg

SURFACE OWNER: MarkWest Liberty Midstream & Resources LLC

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4347995.21m

UTM GPS EASTING: 523413.73m GPS ELEVATION: 281.3m (923')

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 \_\_\_\_\_

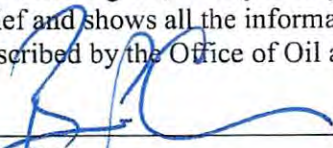
Real-Time Differential \_\_\_\_\_

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

Real-Time Differential X

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

VICE President  
Title

07-11-18  
Date