west virginia department of environmental protection

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

Earl Ray Tomblin , Governor
Randy C. Huffman , Cabinet Secretary
www.dep.wv.gov

Friday, September 09, 2016
WELL WORK PERMIT
Horizontal 6A / Horizontal 6A Well - 1

DAC ENERGY, LLC
POST OFFICE BOX 99

ALMA, WV 26320

Re: Permit approval for POSTLETHWAIT 1H
47-103-03157-00-00

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: POSTLETHWAIT 1H
Farm Name: MASON, KENNETH & JENNIFER
U.S. WELL NUMBER: 47-103-03157-00-00
Horizontal 6A / Horizontal 6A Well - 1
Date Issued: 9/9/2016

API Number: 103-03157

PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) 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

1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.

2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.

3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.

4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.

5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations,* 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.

6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.

7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.

8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

9. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov.

WW-6B
(04/15)

API NO. 47- 103 - 03157
OPERATOR WELL NO. Postlethwait 1M
Well Pad Name: Postlethwait/Rock Camp

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: DAC Energy, LLC.	494496257	Wetzel	Center-01	Wileyville, WV 7.5
	Operator ID	County	District	Quadrangle

2) Operator's Well Number: Postlethwait 1M Well Pad Name: Postlethwait/Rock Camp

3) Farm Name/Surface Owner: Kenneth & Jennifer Mason Public Road Access: County Rt. 7/8 (Greathouse Hill Rd.)

4) Elevation, current ground: 1430' Elevation, proposed post-construction: 1397.1'

5) Well Type (a) Gas x Oil _____ Underground Storage _____
Other _____
(b)If Gas Shallow x Deep _____
Horizontal x

DMH 7-1-16

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Formation: Marcellus Shale TVD: 7,438' +/- TMD: 15,928' Thickness: 50' Associated Pressures: 4000 psi

8) Proposed Total Vertical Depth: 7438'

9) Formation at Total Vertical Depth: Marcellus Shale

10) Proposed Total Measured Depth: 15,928'

11) Proposed Horizontal Leg Length: 7,477'

12) Approximate Fresh Water Strata Depths: 120', 630'

13) Method to Determine Fresh Water Depths: Offsetting Water Well & Offsetting Drilling Logs

14) Approximate Saltwater Depths: 2,057'

15) Approximate Coal Seam Depths: 680', 1235'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No x

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

WW-6B
(04/15)

API NO. 47- 103 - 03157
OPERATOR WELL NO. Postlethwait 1M
Well Pad Name: Postlethwait/Rock Camp

18) **CASING AND TUBING PROGRAM**

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26"	New	N/A	85	40'	40'	CTS
Fresh Water	16"	New	A-252	58	745'	720'	CTS (659 sks)
Coal	11 3/4"	New	AT-50	42	1,722'	1,697'	CTS (746 sks)
Intermediate	8 5/8"	New	J-55	32	2,792'	2,767'	CTS (507 sks)
Production	5 1/2"	New	P-110	20	15,928'	15,903'	(Lead: 367cks/Tail: 1448 cks)
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	26"	30"	.312	1,360	50	Typel/II	1.18
Fresh Water	16"	20"	.312	1,360	162	Class A	1.20
Coal	11 3/4"	14 3/4"	.333	2,480	574	Class A	1.29
Intermediate	8 5/8"	10 5/8"	.352	3,430	1323	Class A	1.55
Production	5 1/2"	7 7/8"	.361	12,640	11,701	Type 1	1.64/1.32
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

API NO. 47- 103 - 03157
OPERATOR WELL NO. Postlethwait 1M
Well Pad Name: Postlethwait/Rock Camp

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill Pilot hole on air to KOP. Switch to Synthetic Oil Based Mud system and drill the lateral section of the Marcellus well. When completed run P-110 5.5" production casing, cement, perforate, stimulate, and produce a horizontal Marcellus Shale Well.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Hydraulically fracture/stimulate the Marcellus Shale by perforating, slickwater fracturing/stimulating, plugging, starting at the bottom hole section and working back towards the curve. The job should consist of 22-28 stages.

DMH
7-1-16

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 24.3

22) Area to be disturbed for well pad only, less access road (acres): 5.3

23) Describe centralizer placement for each casing string:

Conductor: None Used
Freshwater: Every third joint and top 2 joints Coal: Every third joint and top 2 joints
Intermediate: Every third joint in the horizontal section through the top of the curve; Every 5th joint from the top of the curve to surface.

24) Describe all cement additives associated with each cement type:

*see attached sheets

25) Proposed borehole conditioning procedures:

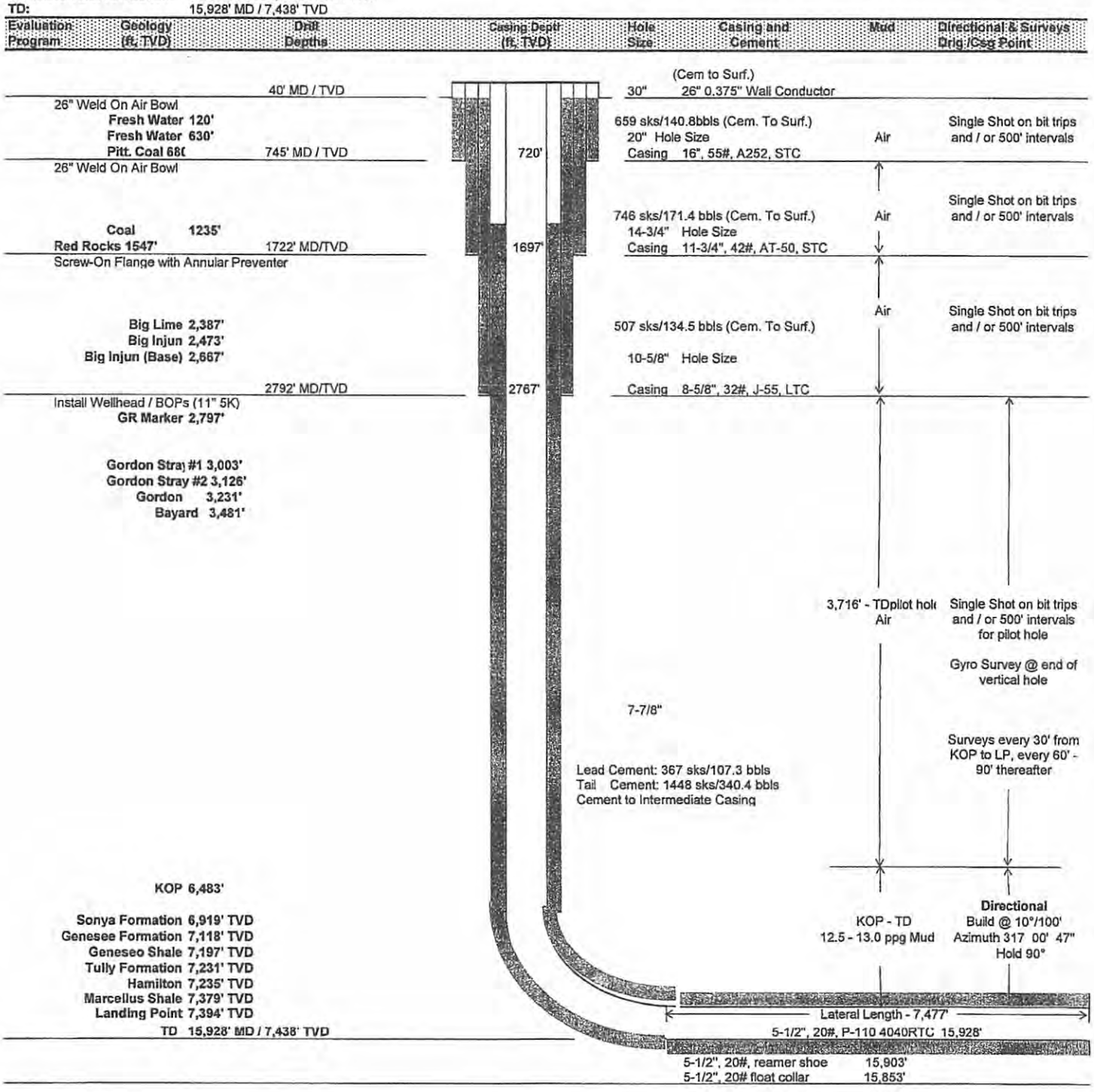
Freshwater: Circulate Air/Foam at T.D. of hole section for 1/2 hour to 1 hour or until hole is clean.
Coal: Circulate Air/Foam at T.D. of hole section for 1/2 hour to 1 hour or until hole is clean.
Intermediate: Circulate Air/Foam at T.D. of hole section for 1/2 hour to 1 hour or until hole is clean.
Production: Circulate Drilling Fluid through the drill string for 1 to 10 hours or until shake screens are clear and drill string can be pulled freely.

*Note: Attach additional sheets as needed.

103-03157

Postlethwait 1M
Well Schematic

Well:	Postlethwait 1M	**AFE #**	
Well Type:	Horizontal	**Field:**	Marcellus Shale
County / District:	Wetzel County, West Virginia, Center District	**API Well Number:**	47-103-00000
Geo Datum:	NAD 83	**GL (ft):**	1397.10'
Permitt Landing Point Lat/Lo	Lat: 39.637089; Lon: -80.62287	**KB to GL (ft):**	10'-20'
Permitted Penetration Pt:	Lat: 39.63556; Lon: -80.622737	**Objectives:**	Drill, Eval, Run Prod Csg on Marcellus Shale
Permitted TMD/TD Lat/Lon:	Lat: 39.651928; Lon: -80.641218		
TD:	15,928' MD / 7,438' TVD		



103-03157

Blue Mountain Inc.
11023 Mason Dixon Highway
Burton, WV 26562
Ph: (304) 662-6486
Fax: (304) 662-6501

August 29, 2016

DAC Energy
P.O. Box 99
Alma, WV 26320

RE: **Wetzel County Hydraulic Fracturing Notice**

Dear Sir/Madam,

DAC Energy has developed a Marcellus pad (Postlethwait/Rock Camp pad) located in Wetzel County, WV. As an owner or operator of conventional natural gas wells in this area we are requesting your assistance in this matter.

Due to apparent presence of unique geological conditions, the potential for communication between deep geologic zones exists in this area. This potential communication, via natural gas, water, or both, may occur between hydraulically fractured wells in the Marcellus formation (approximately 7,438 TVD) and existing conventional natural gas wells.

DAC Energy anticipates conducting hydraulic fracturing at the Postlethwait/Rock Camp pad during the fourth quarter of 2016. We have identified conventional natural gas wells operated by your company within the 500' offset (lateral distance) of our new/planned laterals. Plats for each well on this pad are attached.

We recommend that conventional well operators conduct the following activities before, during, and after fracturing operations:

1. Inspect surface equipment, prior to fracturing, to establish integrity and establish well conditions.
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas, or pressure.
3. Inspect or install master valves rated to 3,000 psi or other necessary equipment for wellhead integrity.
4. Notify the OOG and DAC if any changes in water, gas production, pressure, or other anomalies are identified.

We appreciate the opportunity to work with you on this project. Please do not hesitate to contact Kaley DuCoeur through phone 304-662-6486 or at BMI@bluemtninc.com if any questions should arise. You may also contact the West Virginia Office and Gas at 304-928-0440.

Sincerely,
Blue Mountain, Inc.

Kaley DuCoeur
Environmental Scientist

103-03157

Blue Mountain Inc.
11023 Mason Dixon Highway
Burton, WV 26562
Ph: (304) 662-6486
Fax: (304) 662-6501

Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near DAC Energy hydraulic fracturing in Wetzel County, WV prior to hydraulic fracturing.

Due to the apparent presence of unique geological conditions, the potential for communication between geologic zones exists in this area. This potential communication, via natural gas, water, or both, may occur between hydraulically fractured wells in the Marcellus formation (approximately 7,438 TVD) and existing conventional natural gas wells.

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include pre-notification of conventional well operators of the timing and location of the hydraulic fracturing, establishment of measures conventional well operators should implement, and assurances that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

1. Communications with Conventional Well Operators

DAC Energy, using available data (WV Geological Survey, WVDEP website) has identified all known conventional wells and well operators within 500 feet of this pad and the lateral sections. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

Upon arrival of this plan, DAC Energy will notify these operators, via letter, of the hydraulic fracturing schedule for these wells. A copy of this letter is included in **Attachment B.**

The letter provides recommendations to these conventional operators to 1) increase their monitoring of their wells during that time period, 2) ensure that their well head equipment is sound, and 3) provide immediate notification to DAC Energy and the OOG in the event of any changes in their well conditions.

Specifically, the letter recommends that conventional well operators conduct the following activities during and after fracturing operations:

1. Inspect their surface equipment prior to fracturing to establish integrity and establish pre-frac well conditions.
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure.
3. Inspect or install master valves rated to 3,000 psi or other necessary equipment for wellhead integrity.
4. Notify the OOG and DAC Energy if any changes in water, gas production, pressure, or other anomalies are identified.

2. Reporting

DAC Energy will provide information relating to the hydraulic fracturing schedule, communication with conventional operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.

103-03157

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11023 Mason Dixon Highway
Burton, WV 26562
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Well ID	Prior Operator On Record	Operator - DEP
47-103-00151	Columbian Carbon Co.	Operator Unknown
47-103-00429	Arrowhead Exploration Co.	Operator Unknown
47-103-00500	Arrowhead Exploration Co.	Operator Unknown

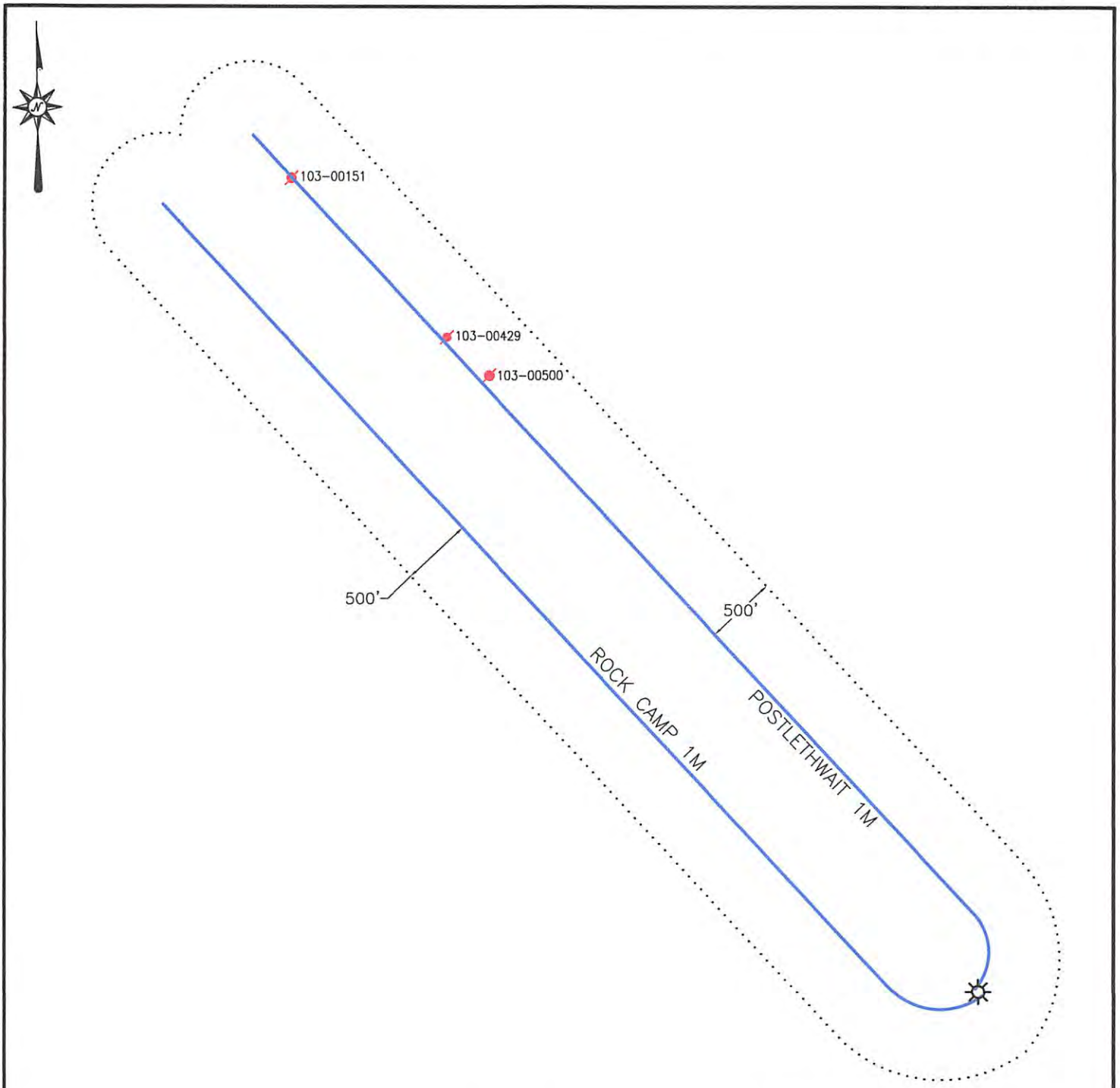
103-03157

Status	Latitude	Longitude	Vertical TD	Producing Formation
Plugged	39.648101	-80.752071	2,351'	Weir
Plugged	39.645051	-80.748089	3,118'	Gordon
Plugged	39.644326	-80.747009	3,120'	Fourth

103-03157

Producing Zones NOT Perforated

103-03157



Blue Mountain Inc.
10125 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

PREPARED FOR:
DAC ENERGY
P. O. BOX 99
ALMA, WV 26320

LEGEND
☼ – WELL LOCATION
– PLUGGED WELL

POSTLETHWAIT/ROCK CAMP AREA OF REVIEW MAP
WETZEL COUNTY
CENTER DISTRICT
WEST VIRGINIA

TOPO QUAD: LITTLETON, WV
SCALE: 1" = 1000'
DATE: AUGUST 24, 2016

WW-9
(5/16)

API Number 47 - 103 - 03159
Operator's Well No. Postlethwait 1M

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

Operator Name DAC Energy, LLC. OP Code 494496257

Watershed (HUC 10) Fishing Creek Quadrangle Wileyville, WV 7.5'

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: N/A

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 see attached)
_____ Reuse (at API Number _____)
■ Off Site Disposal (Supply form WW-9 for disposal location)
_____ Other (Explain _____

DMH 7-1-16

Will closed loop system be used? If so, describe: Yes

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air, Freshwater, Synthetic Oil Based

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Based

Additives to be used in drilling medium? Synvert L1; Synvert L2; Synvert Wa; Synvert Lem\; Synvert Twa; Synvert Clay; Synvert Base Fluid; Barite; Nutshell, Calcium Chloride; Calcium Carbonate; Lime; Lo-20; Gilsonite

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

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? Wetzel County Landfill

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 Kenneth R Mason

Company Official (Typed Name) Kenneth R. Mason

Company Official Title President of Drilling Appalachian Corp, Its: Member

Subscribed and sworn before me this 5th day of July, 2016

Betty Fletcher Notary Public

My commission expires May 21, 2019

103-03157

Form WW-9

Operator's Well No. Postlethwait 1M

Proposed Revegetation Treatment: Acres Disturbed 24.3 Prevegetation pH * Determined at time of reclamation*

Lime x (plans page 21) Tons/acre or to correct to pH 7 (see engineered plans page 21)

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch 2-3 Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
(see page 21 of engineered plan set)		(see page 21 of engineered plan set)	

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: M.

Comments:

Title: Oil & Gas Inspector Date: 2-1-16

Field Reviewed? (✓) Yes ( ) No

103-03157

Taken from the
West Virginia Erosion and Sediment Control Field Manual
West Virginia Division of Environmental Protection Office of Oil and Gas
Charleston, W.Va.
Section IV

Temporary Seeding

a. General Conditions Where Practice Applies
Where exposed soil surfaces are not to be fine-graded or worked for periods longer than 21 days. Temporary vegetative cover with sediment controls must be established where runoff will go directly into a stream. Immediately upon construction of the site (site includes road and location), vegetation must be established on road bank and location slopes. A permanent vegetative cover shall be applied to areas that will be left un-worked for a period of more than six months.

b. Seed Mixtures and Planting Dates
Refer to Tables 2 through 4 for recommended dates to establish vegetative cover and the approved lists of temporary and permanent plant species, and planting rates. Table 3 gives recommended types of temporary vegetation, rates of application, and optimum seeding dates. In situations where another cover is desired, contact the local soil conservation district for seeding recommendations.

c. Seed Application
Apply seed by broadcasting, drilling, or by hydroseed according to the rates indicated in Table IV-3. Perform all planting operations at right angles to the slope. Necessary site preparation and roughening of the soil surface should be done just prior to seeding. Seedbed preparation may not be required on newly disturbed areas.

Permanent Seeding

a. General
Permanent vegetative cover will be established where no further soil disturbance is anticipated or needed. Soil fertility and pH level should be tested and adjusted according to the seed species planted. Planting of permanent vegetative covers must be performed on all disturbed areas after completion of the drilling process. Any site that contains significant amounts of topsoil shall have the topsoil removed and stockpiled when feasible. Topsoil should not be added to slopes steeper than 2:1 unless a good bonding to the sub-layer can be achieved. After proper grading and seedbed preparation, the vegetation will reestablish ground cover for the control of surface water runoff erosion.
All required seedbed preparation and loosening of soil by disking or dozer tracking should be performed just prior to seeding. If seedbed preparation is not feasible, 50% more seed shall be added to the recommended rates shown in Tables IV-3 and IV-4.
When hydroseeding, seedbed preparation may not be necessary if adequate site preparation was performed. Incorporate the appropriate amount of lime and/or fertilizer in the slurry mix when hydroseeding.
When hydroseeding, first mix the lime, fertilizer, and hydro-mulch in the recommended amount of water. Mix the seed and inoculants together within one hour prior to planting, and add to the slurry just before seeding. Apply the slurry uniformly over the prepared site. Assure that agitation is continuous throughout the seeding operation and the mix is applied within one hour of initial mixing.

b. Lime and Fertilizer
1. Lime Shall be applied to all permanent seedings. The pH of the soil is to be determined and lime applied accordingly. Once the pH is known, select the amount of lime to be applied from Table IV-5.
2. Fertilizer shall be applied in all permanent seedings. Apply the equivalent for 500 lbs. minimum 10-20-20 fertilizer per acre or use the amount of fertilizer and lime recommended by a certified soil test.
3. Application: For best results and maximum benefits, the lime and fertilizer are to be applied at the same time as seedbed preparation.

c. Permanent Seed Mixture
Planners should take into consideration the species makeup of the existing pasture and the landowner's future pasture management plans when recommending seed mixtures. Selection: From Tables IV 4a and b, Permanent Seeding Mixtures Suitable for Establishment in West Virginia.

Notes
1. All legumes must be planted with the proper inoculants prior to seeding.
2. 'Lathco' Flatpea is potentially poisonous to some livestock.
3. Only endophyte free varieties of Tall Fescue should be used. Tall Fescue and Crownvetch are also very invasive species, non-native to WV.
4. For unprepared seedbeds or seeding outside the optimum timeframes, add 50% more seed to the specified rate. Mixtures in Table 4b are more wildlife and farm friendly, those listed in bold are suitable for use in shaded woodland settings. Mixtures in italic are suitable for use in filter strips.

d. Seeding for Wildlife Habitat
Consider the use of native plants or locally adapted plants when selecting cover types and species for wildlife habitat. Wildlife friendly species or mixes that have multiple values should be considered. See wildlife friendly species/mixtures in Table IV-4b. Consider selecting no or low maintenance long-lived plants adaptable to sites which may be difficult to maintain with equipment.

DMH
7-1-16

Mulching

a. General Organic Mulches
The application if straw, hay, or other suitable materials to the soil surface to prevent erosion. Straw made from wheat or oats is the preferred mulch, the use of hay is permissible, but not encouraged due to the risk of spreading invasive species. Mulch must be applied to all temporary and permanent seeding on all disturbed areas. Depending on site conditions, in critical areas such as waterways or steep slopes, additional or substitute soil protective measures may be used if deemed necessary. Examples include jute mesh and soil stabilization blankets or erosion control matting.
Areas that have been temporarily or permanently seeded should be mulched to provide some protection to the soil surface. An organic mulch, straw, or hay should be used and the area then seeded as soon as weather or seasonal conditions permit. Do not use fiber mulch (cellulose-hydroseed) alone for this practice; at normal application rates it will not give the soil protection of other types of mulch.
Wood cellulose fiber mulch is used in hydroseeding operations and applied as part of the slurry. It creates the best seed-soil contact when applied over the top of (as a separate operation) newly seeded areas. Fiber mulch does not alone provide sufficient protection on highly erodible soils, or during less than favorable growing conditions. Fiber mulch should not be used alone during the dry summer months or when used for late fall mulch cover. Use straw mulch during these periods and fiber mulch may be used to tack (anchor) the straw mulch. Fiber mulch is well suited for steep slopes, critical areas, and areas susceptible to wind.

b. Chemical Mulches, Soil Binders, and Tackifiers
A wide range of synthetic spray on materials are marketed to stabilize and protect the soil surface. These are mixed with water and sprayed over the mulch and to the soil. They may be used alone in some cases as temporary stabilizers, or in conjunction with fiber mulch, straw, or hay.
When used alone alone most chemical mulches do not have the capability to insulate the soil or retain soil moisture that organic mulches have.

c. Specifications
From Table IV-6 select the type of mulch and rate of application that will best suit the conditions at the site.

d. Anchoring
Depending on the field situation, mulch may not stay in place because of wind action or rapid water runoff. In such cases, mulch is to be anchored mechanically or with mulch netting.
1. Mechanical Anchoring
Apply mulch and pull mulch anchoring tool over the mulch. When a disk is used, set the disk straight and pull across slope. Mulch material should be tucked into the soil about three inches.
2. Mulch Netting
Follow manufacturer's recommendation when positioning and stapling the mulch netting in the soil.

Table IV-1
Recommended Seeding Dates

Planting Dates	Suitability
March 1 - April 15 and August 1 - October 1	Best Seeding Periods
April 15 - August 1	HIGH RISK - moisture stress less likely
October 1 - December 1	HIGH RISK - freeze damage to young seedlings
December 1 - March 1	Good seeding period. Dormant seeding

Table IV-5
Lime and Fertilizer Application Table

pH of Soil	Lime in Tons Per Acre	Fertilizer, Lbs. per Acre 10-20-20 or Equivalent
Above 6.0	2	500
5.0 to 6.0	3	500
Below 5.0	4	500

The pH can be determined with a portable pH testing kit or by sending the soil samples to a soil testing laboratory. When 4 tons of

lime per acre are applied it must be incorporated into the soil by disking, backblading, or tracking up and down the slope.

Table IV-6
Mulch Materials Rates and Uses

Material	Minimum Rates Per Acre	Coverage	Remarks
Hay or Straw	2 to 3 Tons	Cover 75% to	Subject to Wind blowing
	100 to 150 Bales	90% of Surface	or washing unless tied down
Wood Fiber	1000 to 1500 lbs	Cover all	For Hydroseeding
Pulp Fiber		Disturbed Areas	
Wood Cellulose			
Recirculated Paper			

Table 2
Acceptable Fertilization Recommendation

Species	N (lbs/ac)	P2O5 (lbs/ac)	Example Rec. (per acre)
Cool Season Grass	40	80	400 lbs 10-20-20
CS Grass & Legume	30	60	300 lbs 10-20-20
Temporary Cover	40	40	200 lbs 19-19-19

Table 3
Temporary Cover

Species	Seeding Rate (lbs/acre)	Optimum Seeding Dates	Drainage	pH Range
Annual Ryegrass	40	3/1 - 6/15 or 8/15 - 9/15	Well - Poorly	5.5 - 7.5
Field Bromegrass	40	3/1 - 6/15 or 8/15 - 9/15	Well - Mod. Well	6.0 - 7.0
Spring Oats	96	3/1 - 6/15	Well - Poorly	5.5 - 7.0
Sudangrass	40	5/15 - 8/15	Well - Poorly	5.5 - 7.5
Winter Rye	168	8/15 - 10/15	Well - Poorly	5.5 - 7.5
Winter Wheat	180	8/15 - 10/15	Well - Mod. Well	5.5 - 7.0
Japanese Millet	30	6/15 - 8/15	Well	4.5 - 7.0
Redtop	5	3/1 - 6/15	Well	4.0 - 7.5
Annual Ryegrass	25	3/1 - 6/15	Well - Poorly	5.5 - 7.5
Spring Oats	64	3/1 - 6/15	Well - Poorly	5.5 - 7.5

NOTE: These rates should be increased by 50% if planted April 15 - August 1 and October 1 - March 1.

Table 4a
Permanent Seeding Mixture

Species/Mixture	Seeding Rate (lbs/acre)	Soil Drainage Preference	pH Range
Crownvetch/	10 - 15	Well - Mod. Well	5.0 - 7.5
Tall Fescue	30		
Crownvetch/	10 - 15	Well - Mod. Well	5.0 - 7.5
Perennial Ryegrass	20		
Flatpea or Perennial Pea/	20	Well - Mod. Well	4.0 - 8.0
Tall Fescue	15		
Ladino Clover/	30		
Serecia Lespedeza/	25	Well - Mod. Well	4.5 - 7.5
Tall Fescue	2		
Tall Fescue/	40		
Ladino Clover/	3	*Well - Mod. Well*	5.0 - 7.5
Redtop	3		
Crownvetch/	10		
Tall Fescue/	20	Well - Mod. Well	5.0 - 7.5
Redtop	3		
Tall Fescue/	40		
Birdsfoot Trefoil/	10	Well - Mod. Well	5.0 - 7.5
Redtop	3		
Serecia Lespedeza/	25		
Tall Fescue/	30	Well - Mod. Well	4.0 - 7.5
Redtop	3		
Redtop/	30		
Tall Fescue/	3	Well - Mod. Well	5.0 - 7.5
Creeping Red	50		
Tall Fescue	50	*Well - Poorly*	4.5 - 7.5
Perennial Ryegrass/	10		
Tall Fescue/	15	**Well - Poorly**	5.0 - 8.0
Lathco Flatpea*	20		

Mixtures listed in bold are suitable for use in shaded woodland settings; those in italics are suitable for use in filter strips.

**'Lathco' Flatpea is potentially poisonous to some livestock. All legumes should be planted with proper inoculants prior to seeding.*

For unprepared seedbeds or seeding outside the optimum timeframes, add 50% more seed to the specified rate.

Table 4b
Wildlife and Farm Friendly Seed Mixtures

Species/Mixture	Seeding Rate (lbs/acre)	Soil Drainage Preference	pH Range
KY Bluegrass/	20		
Redtop/	3	Well - Mod. Well	5.5 - 7.5
Ladino Clover or Birdsfoot Trefoil	2/10		
Timothy/	5	Well - Mod. Well	6.5 - 8.0
Alfalfa	12		
Timothy/	5	Well - Poorly	5.5 - 7.5
Birdsfoot Trefoil	8		
Orchardgrass/	10		
Ladino Clover/	2	*Well - Mod. Well*	5.5 - 7.5
Redtop	3		
Orchardgrass/	10	*Well - Mod. Well*	5.5 - 7.5
Ladino Clover	2		
Orchardgrass/	20	*Well - Mod. Well*	5.5 - 7.5
Perennial Ryegrass	10		
Creeping Red Fescue/	30	**Well - Mod. Well**	5.5 - 7.5
Perennial Ryegrass	10		
Orchardgrass or Kentucky **Bluegrass**	20	Well - Mod. Well	6.0 - 7.5
Birdsfoot Trefoil/	10		
Redtop/	5	Well - Mod. Well	5.5 - 7.5
Orchardgrass	20		
Lathco Flat Pea/	30	**Well - Mod. Well**	5.5 - 7.5
Perennial Ryegrass	20		
Lathco Flat Pea/	30	Well - Mod. Well	5.5 - 7.5
Orchardgrass	20		

Mixtures listed in bold are suitable for use in shaded woodland settings; those in italics are suitable for use in filter strips.

**'Lathco' Flatpea is potentially poisonous to some livestock. All legumes should be planted with proper inoculants prior to seeding.*

For unprepared seedbeds or seeding outside the optimum timeframes, add 50% more seed to the specified rate.

NOTE: DRAWING WAS CREATED ON 22X34 PAPER. 11X17 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

Blue Mountain Inc.
Engineers and Land Surveyors
10125 Mason Dixon Hwy
Burton, WV 26562-9656
(304) 662-6486

DAC ENERGY, LLC
PO BOX 99
ALMA, WV 26320

POSTLETHWAIT/ ROCK CAMP WELL SITE
CONSTRUCTION DETAILS (3 OF 3)

REVISIONS

DATE	TYPE

JOSHUA DIAZ
REGISTERED
16852
STATE OF WEST VIRGINIA
PROFESSIONAL ENGINEER

DRAWN BY: RSH
CHECKED BY: JND
DATE: [illegible]
SCALE: AS SHOWN
JOB NO.
DRAWING NAME: POSTLETHWAIT DESIGN

SHEET NO. 21

103-03157

UIC PERMIT NUMBERS

- **3412123390**
- **3400922704**
- **3416727401**
- **3416729577**
- **3412123995**
- **3416729658**
- **3416729685**
- **4707302523**

103-03157

Drilling Fluid Additives

Synvert LI

Synvert LII

Synvert Wa

Synvert Lem

Synvert Twa

Synvert Clay

Synvert Base Fluid

Barite

Nutshell

Calcium Chloride

Calcium Carbonate

Lime

Lc-20

Gilsonite

103-03157

Fracture/Stimulation Additives

BioClear 2000 (20% DBNPA)

BR-1 (Ammonium Persulfate)

BR-7 (Enzyme Breaker)

BR-11 (Lightly Encap. Ammonium Persulfate)

CI-3 (Corrosion Inhibitor)

FR-16 (Winterized FR - Anionic)

FR-18 (Winter. High Brine FR - Anionic)

GA-7A (Crosslink Approved Gel Slurry 40-45 cP)

HC-15 (15% HCL Acid)

HC-7.5 (7.5% HCL Acid)

IA-2 (Inhibitor Aid - Potassium Iodide)

NE-2 (Microemulsion NE Surf. Anionic)

NE-3 (NE Surf. - Cationic)

SI-6 (Scale Inhibitor)

SU-3 (Complex Nano-Fluid Tech Non-Ionic)

SU-5 (Oil Recovery Enhance Surf Non-ionic)

XL-2 (Instant XL)

103-03157

Postlethwait 1M/Rock Camp 1M – Site Safety Plan

General Information

Well Location:

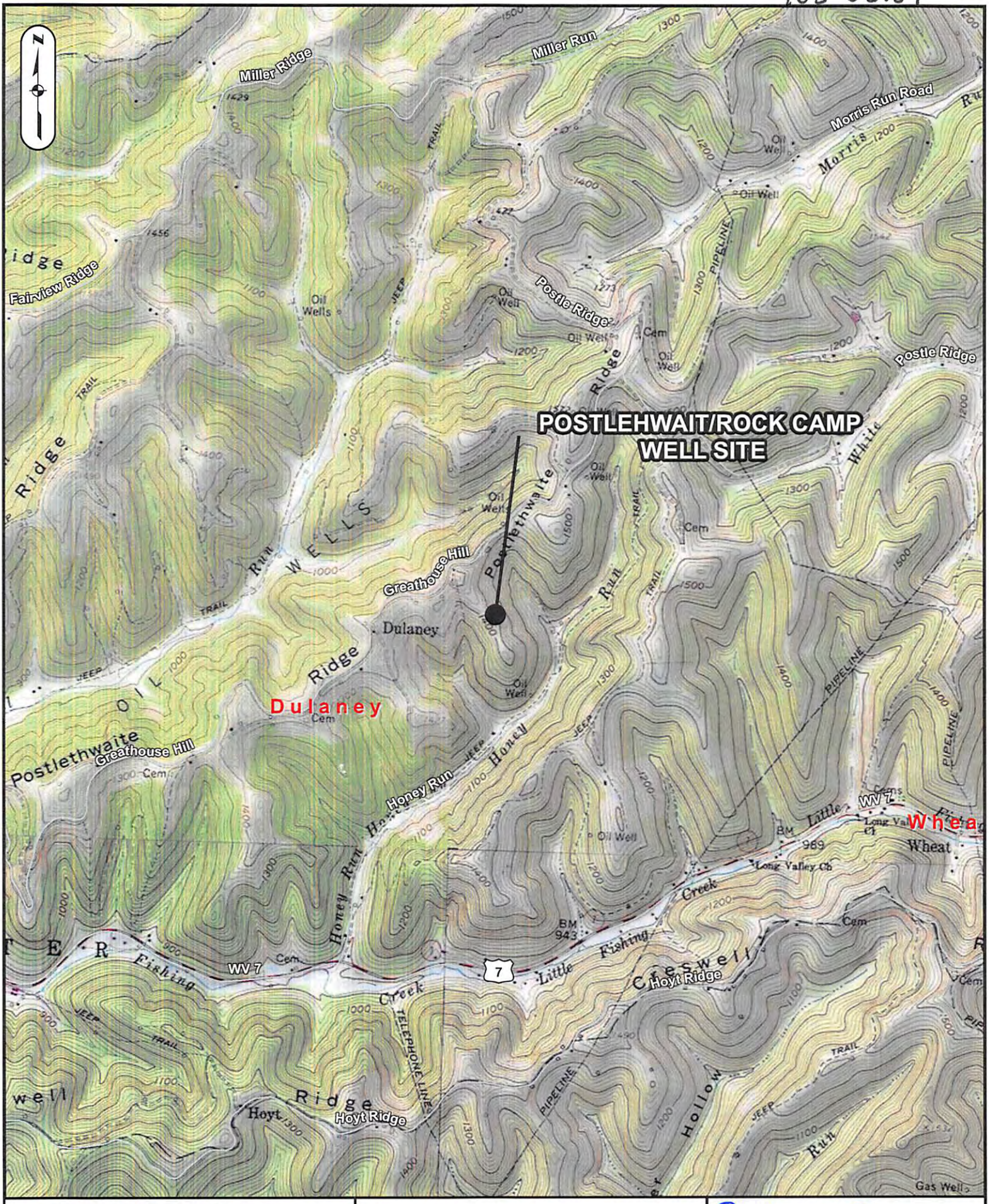
- Operator: D.A.C. Energy, LLC.
- Wetzel County, WV
- Center District
- Lat: 39.635172 ; Lon: -80.622446
- Directions:
    - From New Martinsville, WV: Go East on Hwy 7 for 16.6 miles to Greathouse Hill/Postlethwait Ridge Rd (7/8), on the LEFT or NORTH side of the road. Continue on 7/8 for 1.5 miles to the entrance to the well pad on the RIGHT or Southeast side of the road at 39.638197, -80.623615.
    - From Hundred, WV: Go West on Hwy 7 for 14.7 miles to Greathouse Hill/Postlethwait Ridge Rd (7/8), on the RIGHT or NORTH side of the road. Continue on 7/8 for 1.5 miles to the entrance to the well pad on the RIGHT or Southeast side of the road at 39.638197, -80.623615.

Basic Site Safety Requirements:

- Personal Protective Equipment will be worn by all personnel at all times while on site. PPE will be defined by OSHA standard 1910.132
    - Company representatives will discuss PPE expectations at pre-spud meeting.
    - PPE required by MSDS of any chemical or substance that is on site.
- Safety meetings will be held twice a week and prior to all casing, cement, pipe trips, etc. and attendance will be logged.
- J.S.A.'s will be encouraged for all operations and required for all non-standard operations.
- A pre-spud meeting will be held prior to spudding the well. Procedures, Safety, Roles, Responsibilities, and Expectations will be discussed. The attending personnel will be company representatives, drilling contractor representatives, and the local D.E.P. inspector.
- A check in/out box will be posted at the well site entrance (muster area). All personnel will be required to sign in and sign out when entering and exiting the location.
- In case of emergency or alarm, all personnel will be required to muster at the entrance to the lease road (check in/out box). Company Representative will get a head count and compare to check-in list. Company Representative will then provide instruction as what to do next.
- No Smoking on Location.
- No unauthorized visitors on location. All visitors sign in at the sign in booth. Then, check in with the company representative.
- A copy of the Site Safety Plan along with the permit will be posted in the Dog House, Company Representatives Housing, and at the Sign in/out booth.
- M.S.D.S. for all chemicals on site will be on site and available in the doghouse and company man living quarters.

DMH
7-1-16

103-03157



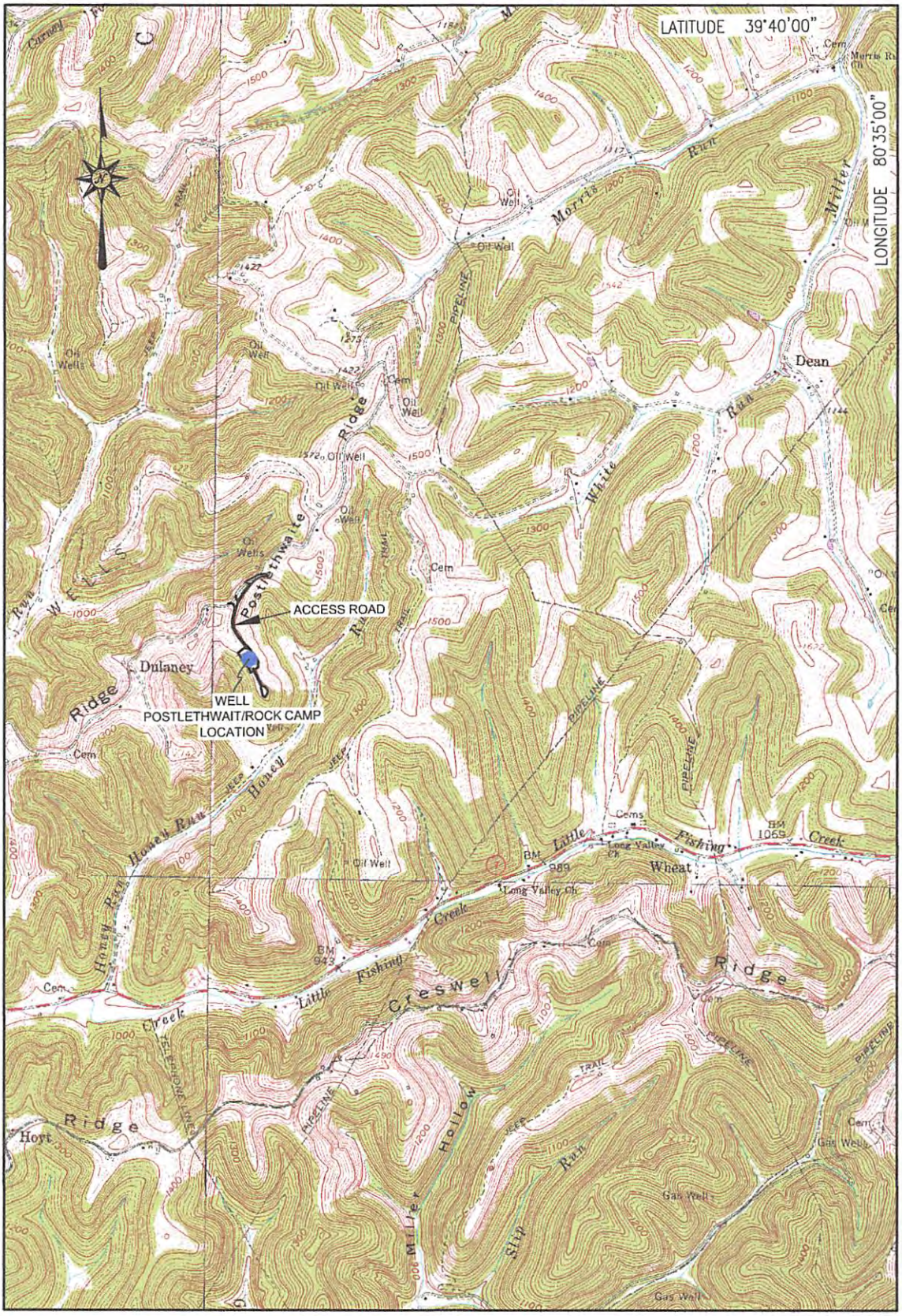
1 inch = 2,000 feet

0 1,000 2,000 4,000 Feet

USGS QUADRANGLE LITTLETON

DRH 7-1-16

Blue Mountain Inc.



LOCATION MAP
AUGUST 24, 2016

Blue Mountain Inc.
10125 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

POSTLETHWAIT/ROCK CAMP
LITTLETON QUADRANGLE
WEST VIRGINIA

SCALE 1" = 2000'

0' 2000' 4000' 6000'

BLUE MOUNTAIN ENGINEERING

103-03157

WW-6A1
(5/13)

Operator's Well No. POSTLETHWAIT 1M

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
see attached list				

Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: DAC ENERGY, LLC

By:

Its: V. Pres. of Drilling Appalachian Corp. Its Member

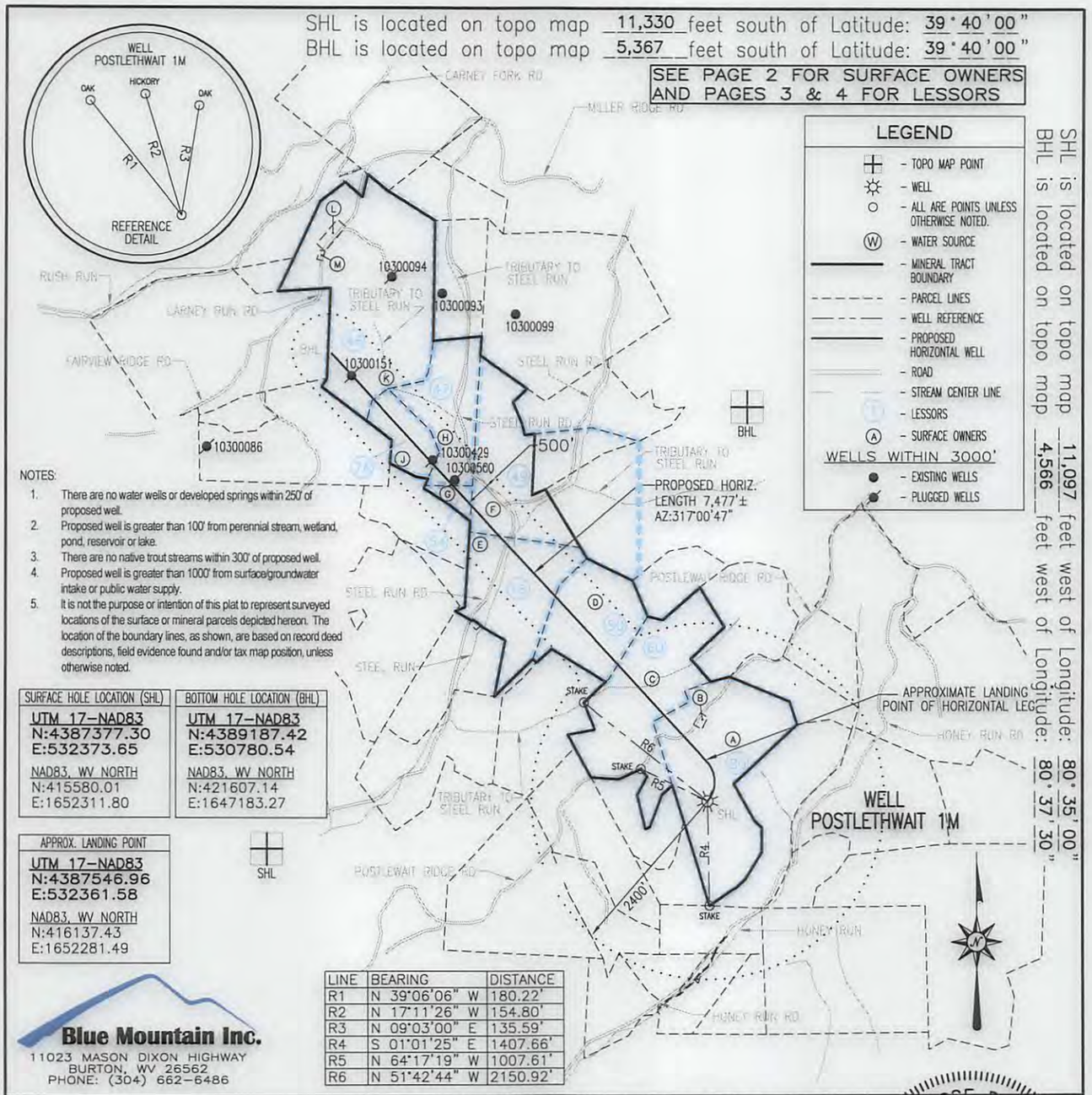
Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
80 (surface tract)	Larry Garner	DAC	1/8+	160A/547
80 (surface tract)	Thomas E. Garner	DAC	1/8+	160A/539
80 (surface tract)	Milton Maxwell Stanley, Jr.	DAC	1/8+	162A/670
80 (surface tract)	Mary L. Pegg	DAC	1/8+	159A/357
80 (surface tract)	Ramona Joan Rice	DAC	1/8+	159A/371
80 (surface tract)	Terry & Sandra Aberegg	DAC	1/8+	159A/373
80 (surface tract)	Betty Jo Gearhart	DAC	1/8+	159A/363
80 (surface tract)	WV Minerals	DAC	1/8+	164A/329
80 (surface tract)	Shiben Estates	Stone Energy	1/8+	155A/629
80 (surface tract)	Stone Energy	Drilling Appalachian Corp	1/8+	171A/474
74	Shiben Estates, et al	Stone Energy	1/8+	155A/629
18	Ernest Cadle et al	DAC	1/8+	138A/486
46	Janice Adams et al	DAC	1/8+	163A/546
47	Janice Adams et al	DAC	1/8+	163A/546
49	Shiben Estates, et al	Grenadier	1/8+	123A/800
50	Linda D. Elias, et al	DAC	1/8+	164A/532
54	Coastal Forest Resources CO	DAC	1/8+	164A/348
60	Jack L. & Arminta P. Crihfield, et al	DAC	1/8+	159A/337

LS190-031

SHL is located on topo map 11,330 feet south of Latitude: 39 ° 40 ' 00 "
BHL is located on topo map 5,367 feet south of Latitude: 39 ° 40 ' 00 "

SEE PAGE 2 FOR SURFACE OWNERS
AND PAGES 3 & 4 FOR LESSORS

SHL is located on topo map 11,097 feet west of Longitude: 80 ° 35 ' 00 "
BHL is located on topo map 4,566 feet west of Longitude: 80 ° 37 ' 30 "



NOTES:

1. There are no water wells or developed springs within 250' of proposed well.
2. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
3. There are no native trout streams within 300' of proposed well.
4. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
5. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

SURFACE HOLE LOCATION (SHL)	BOTTOM HOLE LOCATION (BHL)
UTM 17–NAD83	UTM 17–NAD83
N:4387377.30	N:4389187.42
E:532373.65	E:530780.54
NAD83, WV NORTH	NAD83, WV NORTH
N:415580.01	N:421607.14
E:1652311.80	E:1647183.27

APPROX. LANDING POINT
UTM 17–NAD83
N:4387546.96
E:532361.58
NAD83, WV NORTH
N:416137.43
E:1652281.49

LINE	BEARING	DISTANCE
R1	N 39°06'06" W	180.22'
R2	N 17°11'26" W	154.80'
R3	N 09°03'00" E	135.59'
R4	S 01°01'25" E	1407.66'
R5	N 64°17'19" W	1007.61'
R6	N 51°42'44" W	2150.92'

Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662–6486

FILE #: POSTLETHWAIT 1M
DRAWING #: POSTLETHWAIT 1M
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/2500
PROVEN SOURCE OF ELEVATION: U.S.G.S. MONUMENT THOMAS 1498.81'

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 ENVIRONMENTAL PROTECTION.

Signed: [signature]
R.P.E.: L.L.S.: P.S. No. 2000

GEORGE D. SIX LICENSED No. 2000 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR
PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304

DATE: AUGUST 24, 2016
OPERATOR'S WELL #: POSTLETHWAIT 1M
API WELL #: 47 (STATE) 103 (COUNTY) 03157 H6A (PERMIT)

Well Type: [ ] Oil [ ] Waste Disposal [X] Production [ ] Deep
[X] Gas [ ] Liquid Injection [ ] Storage [X] Shallow

WATERSHED: FISHING CREEK ELEVATION: 1397.10'
COUNTY/DISTRICT: WETZEL / CENTER QUADRANGLE: LITTLETON, WV 7.5'
SURFACE OWNER: KENNETH R. & JENNIFER L. MASON ACREAGE: 80.000±
OIL & GAS ROYALTY OWNER: SHIBEN ESTATES, ET AL. ACREAGE: 409.027±
DRILL [X] CONVERT [ ] DRILL DEEPER [ ] REDRILL [ ] FRACTURE OR STIMULATE [X]
PLUG OFF OLD FORMATION [ ] PERFORATE NEW FORMATION [ ] PLUG & ABANDON [ ]
CLEAN OUT & REPLUG [ ] OTHER CHANGE [ ] (SPECIFY):
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 7,438± TMD: 15,928±

WELL OPERATOR DAC ENERGY DESIGNATED AGENT KENNETH R. MASON
Address P.O. BOX 99 Address P.O. BOX 99
City ALMA State WV Zip Code 26320 City ALMA State WV Zip Code 26320

POSTLETHWAIT 1M

103-03157#GA

PAGE 2 OF 4

	SURFACE OWNER	DIST-TM/PAR
A	KENNETH R. & JENNIFER L. MASON	1-14/28
B	KENNETH R. & JENNIFER L. MASON	1-14/27
C	JAMES H. HOLT	1-14/26
D	COASTAL FOREST RESOURCES CO.	1-14/17
E	EARNEST H. CADLE LIVING TRUST	1-14/25
F	COASTAL LUMBER COMPANY	1-14/3
G	COASTAL FOREST RESOURCES CO. COASTAL TIMBERLAND CO.	1-14/2.1
H	CYNTHIA & ALAN FLEMING	1-10/48
	CHESTER C. & LORENE MAE YEATER	
J	COASTAL FOREST RESOURCES CO.	1-10/47
K	LINDA MCCRAY, ET AL.	1-10/33
L	ROMEY & CAROL RICHTER	1-10/33.1
M	CHESTER C. JR. & LORENE YEATER	1-10/32

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83	UTM 17-NAD83	UTM 17-NAD83
N:4387377.30	N:4387546.96	N:4389187.42
E:532373.65	E:532361.58	E:530780.54
NAD83, WV NORTH	NAD83, WV NORTH	NAD83, WV NORTH
N:415580.01	N:416137.43	N:421607.14
E:1652311.80	E:1652281.49	E:1647183.27

AUGUST 24, 2016

Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

POSTLETHWAIT 1M

103 03157 HGA

PAGE 3 OF 4

PARCEL	LESSOR
7A	ROCK CAMP OIL COMPANY
	CLYDE EUGENE SCHRADER
	SHIBEN ESTATES, INC.
	MELINDA DEBNER
18	TELLURIC COMPANY
	EARNEST CADLE
46&47	JANICE ADAMS
	LOIS SHARRARD
	CHARLES INMAN
	CHERYL YOUNG
	GREG STROSNIDER
	RANDY STROSNIDER
	STEPHEN A. COUMBS
	LINDA BACON
	KYLE BURBRIDGE
	CHRISTOPHER BURBRIDGE
	WILLIAM BURBRIDGE
	DEBRA KEMP
	LORI STROSNIDER
	DAC
	WILLIAM T. SCHRADER
	GEORGE BRIDGEWATER III
	LYNN SNOWDEN
	DONALD L. SCHRADER
	JOSH SCHRADER
	VIRGINIA LEDOUX
	DAVID STROSNIDER
	DENNIS STROSNIDER
	RHONDA DOMINGUEZ
	LESTER STROSNIDER
	DIANA ARNOLD
	CHERYL VOGEL
	MARYILYN ESCUE
	DARRYL MORRIS
	BRADLEY MORRIS
	CAROLINE HAENSZEL
	ANDREW F. SMITH
	JANICE F. MILLER
	BONNIE L. QUIST
	LINDA BERLIN
	STEPHEN BERLIN
	ANDREW BERLIN
	MICHAEL JONES
	FRED L. JONES JR.
	DENISE JONES
	CHRISTOPHER JONES
	JAMES BRACE
	PATSY RAYBURN
	RENEE MCCONLEY
	JANE ERWIN
	ANGIE BALOGH
	ANGELA ROBERTSON
	TERSEA CAPERS
	DANNY YOHO
	BONNIE YOHO
	ROBERTA HART
	JACQUELYN MONIAK
	WILLARD BORDER
	TOM HARPER

PARCEL	LESSORS CONTINUED
49	SHIBEN ESTATES
	DAVID HARMAN
	WILLIAM J. HAWK, JR.
	RONALD YEATER
	JOHN YEATER
	THERESA A. SOWERS
	SANDRA CLICK
	DEBORAH YEATER-SMITH
	PATRICIA STAMM
	HARRIET PATRICIA HAAS
	WILLIAM G. DUNN
	KAREN S. GROZA
	JEFFREY R. SIDELL
	DEIRDRE J. SIDELL, AKA DEIRDE J. COFFIELD
	STEPHEN B. SIDELL
	JOANNE MASON
	BARBARA A. TAFT
	BRADLEY R. MAIN
	MICHAEL VERNON
	JANET S. HARTNETT
	JUDITH HEISINGER
	JAQUELENE PORTHOUSE
	SARA JONES
	CAROLYN KNOPP
	KENNETH JONES
	GARY JONES
	JIM JONES
	BRUCE R. SIDELL
	REBECCA HARRIS
	KATHRIN SIDELL
	JANET TOWNSEND
	LINDA WATKINS
	JANIE WILSON
	JOHN R. PFALZGRAF
	JUDITH G. WATSON
	DAC
	TIM & KARI MOSS
	ROB & KATHY MOSS
	LINDA SUZUKI
	LAURA JOHNSON
	RUTH STATEN
	REBECCA WILMOT
	APRIL L. NEEDHAM
	WILLAM D. NEEDHAM
	AMY DEVEAU
	TERRENCE R. DEVEAU
	DOUGLAS R. ADLER
	PHILLIP P. ADLER
	ELIZABETH PITNEY
	EDWARD PITNEY
	DOUGLAS PITNEY
	WILL O. STEVENSON
	SHERWOOD K. STEVENSON
	CHARLES N. ABERNETHY, III
	CHRISTOPHER M. ABERNETHY
	MICHAEL N. ABERNETHY
	SAMUEL A.M. ABERNETHY
	SHARON L. BURTON
	THELMA NELL PALMER
	MICHELLE C. SHERWOOD
	LISA BEERS
	DARIA PALMER
	CHRISTOPHER PALMER
	ANITA L. CROGHAN

AUGUST 24, 2016

Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

103 03157 H6A

POSTLETHWAIT 1M

PAGE 4 OF 4

PARCEL	LESSOR
50	LINDA D. ELIAS
	GEORGE TERRACE CAWTHORNE
	JACK DALE CAWTHORNE
	DENNIS R. CAWTHORNE
	LORI J. DECKER
	BILLIE K. SNYDER
	PATSY L. HALL
	MICHAEL MCBEE
	KELLY S. HALL
	LARRY LEMASTERS
	GRETCHEN LEMASTERS
	ROBERT LEMASTERS
	DAVID LEMASTERS
	BEATRICE WEST
	TREVA SEEPE
	KAREN MILLER
	REGINA WIGAL
	LINDA EVERSON
	FRANKIE MCKENNA
	MANSFIELD ELMORE
	VELMA LOWE
	ANGELA WARD
	DOUGLAS LOWE
	SANDRA MATTHEWS
	DANIEL LOWE
	NANCY HALPERN
	KAREN DAGGETT
	JOYCE MURPHY
	DAVID LOWE
	DAC
	YVONNE S. POSKIN
	VIRGINIA L. JONES
	KATHRYN FRAME
	LYLE WINLAND
	KAY PRICE
	SHARON BURTON
	THELMA NELL PALMER
	MICHELLE C. SHERWOOD
	DARIA F. PALMER
	CHRISTOPHER F. PALMER
	LISA & GARY BEERS
	ANITA L. CROGHAN
	LURA E. ANDERSON HEIRS
	LORETTA F. GRIFFITH
	AURTHUR L. POSTLETHWAIT
	JACKIE HALL
	DEBBIE YOHO HOWARD
	LAWANTA B. VECHIO
	JEFFREY K. RIGGS
	PAMELA S. RAY
	BILLIE L. YOHO GORBY
	BECKY S. BAHLMAN
	PENNY PRYOR
	KEITH C. POSTLETHWAIT
	JOHN R. SMITH
	MICHAEL R. SMITH
	DONALD G. POSTLETHWAIT
	DAVID G. POSTLETHWAIT
	CLARENCE COULBORNE
	MARIAN FAULKNER
	ANNARHA STEWART HEIRS
	HARROLD STEWART HEIRS
	WARREN PENNINGTON HEIRS

PARCEL	LESSOR
54	COASTAL FOREST RESOURCES CO.
	(DBA COASTAL TIMBERLAND CO.)
60	JACK L. & ARMINTA P. CRIHFIELD
	NORMAN C. & DORIS TWYMAN
	JAMES R. & NILA CRAIG
	CAROLTON G. & BARBARA NORRIS
	BARBARA POSTLETHWAIT
	KATHELEEN R. YOUNG
	VIVIAN LEE YOUNG
	PATSY Y. WHARTON
	ROBERT L. BUSCH
	CHRISTINA L. BUSCH
	LAWRENCE R. YOUNG, JR.
	MARY JO PRICE
	GEORGE LEMOYNE HORNER
	BARBARA ANN SHUMAN
	MARTHA ARRICK
	SHARON HENTHORN
	ROBERT E. & LINDA HIX
	WILLIAM FRANCIK & PAMELA FRANCIK
	THOMAS LACOBONI
80	SHIBEN ESTATES
	LARRY GARNER
	THOMAS GARNER
	MILTON MAXWELL SHANLEY, JR.
	WV MINERALS, INC.
	BETTY JO GEARHART
	TERRY H. ABREGG
	RAMONA J. RICE
	MARY L. PEGG

AUGUST 24, 2016

Blue Mountain Inc.
11023 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

103-03157

STEPTOE & JOHNSON PLLC
ATTORNEYS AT LAW

400 White Oaks Boulevard
Bridgeport, WV 26330
(304) 933-8000 (304) 933-8183 Fax
www.steptoe-johnson.com

Writer's Contact Information
(304) 933-8133
Marsha.Hudkins@steptoe-johnson.com

December 17, 2014

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

Re: Well No.:_____
Operator: Drilling Appalachian Corporation

Ownership by Earnest H. Cadle, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 51 3/16 acres, more or less, situate in Center District, Wetzel County, West Virginia, **(AMI Tract No. 42) (Tax Map 13, Parcel 10 (Surface Designation)) REVISED**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of September 26, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in

Heirs, Successors and/or Assigns of Roberta White, deceased
Priscilla L. Stephens
Freda Gotscel
Alma Molesky
Harold Delaney
Bertha Cain
Heirs, Successors and/or Assigns of Gaynelle V. Livingston
Wilbert McCullough
Brown Earl Teagarden
Gerald Ray Teagarden, Jr.
Ralph Lee Teagarden
Neva Mae Wharton
Margaret Ethel Smith
Elvina Morris Hoff

103-03157

Lawrence Wayne Sampson
Elvy Cain Whaley
Hilbert Pyles
Marilyn L. Wade
Wilber L. Wade
Dannehl Thompson
Leah Bennett
Danita Swofford
Lynette Bolton Broadrick
Della Montgomery Cain
Robert Dale Cain
Clyde Eugene Schrader
Heirs, Successors and/or Assigns of Rhoda Cain, deceased
Rick Allen Hudson
Arthur Cain
Norman Williams
Pauline Huggins
Marlene Graham
Vereda Daily
Wilma Dobeck
Jackie Dwein Cain
Clarence Cain
Ruby Hamil
Virginia Miller, daughter and heir of Lillian P. Cain, deceased
Pansy Farmer
Mildred Sterling
Genova Sponaugle
Linda Lou Tennant
Sharon Sue Thomas
Marvin Miller
Dean W. Miller
Connie White
Velma Ruth Hartzell
Freddy Cain
Edith Keyoski
Mable Ruth Lilley
Vivian A. Cox
Sharon D. Marsh
Danny Jo Marsh, Jr.
Samantha Cooper
Everett Efaw
Charles Efaw
Edith F. Pickens
Clifford Miller
John F. Miller
Ruth Cole Wisecarver

Suzanne Cole
Marcia F. Cole
Earnest H. Cadle

subject to the qualifications and limitations contained in that certain title opinion dated December 17, 2014.

Very truly yours,

STEPTOE & JOHNSON PLLC

By: Marsha K Hudkins
Marsha K. Hudkins, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation

103-03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Clyde Eugene Schrader, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 23-1/4 acres, more or less, situate in Center District, Wetzel County, West Virginia **(Western AMI Tract No. 6) (Map 14, Parcel No. 2) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of May 19, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Clyde Eugene Schrader;
Shiben Estates, Inc.;
Melinda Debner;
Rock Camp Oil Company; and
Glenn Cain, Jr. and Eleanor T. Cain.

All subject to the qualifications and limitations contained in that certain title opinion dated March 17, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8596647

103 03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Clyde Eugene Schrader, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing approximately 50 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 7A) (Map 14, Parcel Nos. 20 and 21 AND Map 10, Parcel 47) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of May 19, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Clyde Eugene Schrader;
Shiben Estates, Inc.;
Melinda Debner; and
Rock Camp Oil Company.

All subject to the qualifications and limitations contained in that certain title opinion dated February 26, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8596651

103-03157

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Glenn Cain, Jr., et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 23.25 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 13) (Map 14, Parcel No. 1 AND Map 10, Parcel 46) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of July 7, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Glenn Cain, Jr.;
Heirs, Devisees or Assigns of Rhoda Cain;
Arthur Cain;
Jackie Dewayne Cain, heirs, devisees or assigns;
Clyde Eugene Schrader;
Edith M. Clark or Heirs;
David L. Montgomery or Heirs;
Norman Williams;
Pauline Huggins;
Marline Graham;
Rich Allen Hudson; and
Vereda Dailey.

103-03157

SPILMAN THOMAS & BATTLE PLLC
ATTORNEYS AT LAW

All subject to the qualifications and limitations contained in that certain title opinion dated February 20, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8596655

103-03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Sharon L. Burton, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 33 acres, more or less, situate in Center District, Wetzel County, West Virginia **(Western AMI Tract No. 14) (Map 10, Parcel No. 49 (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of June 4, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Sharon L. Burton;
Thelma Nell Palmer;
Michelle C. Sherwood;
Glenn Fair Palmer Estate, including Daria Felice Palmer Brooks, Christopher Fell Palmer; Lisa Marian Palmer Beers and Anita Louise Palmer Croghan; and
Telluric Company.

All subject to the qualifications and limitations contained in that certain title opinion dated August 12, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8544959

103-03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Telluric Company, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 33.35 acres, more or less, situate in Center District, Wetzel County, West Virginia **(Western AMI Tract No. 16) (Map 14, Parcel No. 6.2) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of February 9, 2016, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Telluric Company;
Marian L. Faulkner;
Clarence M. Coulbourne; and
Ralph and Velinda Phillips.

All subject to the qualifications and limitations contained in that certain title opinion dated May 19, 2016.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8544988

103-03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Earnest Cadle, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 44 acres, more or less, situate in Center District, Wetzel County, West Virginia **(Western AMI Tract No. 18) (Map 14, Parcel Nos. 25 and 25.1) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of June 20, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Earnest Cadle;
Oxy USA, Inc.;
BP Mineral Holdings II, LLC; and
Somerset Minerals, LP.

All subject to the qualifications and limitations contained in that certain title opinion dated March 4, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8596657

103-03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Coastal Forest Resources Company, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 40 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 20) (Map 14, Parcel No. 53) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of May 6, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in Coastal Forest Resources Company and Telluric Company, subject to the qualifications and limitations contained in that certain title opinion dated April 23, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8596660

103-03157

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Juanita Yoho or Heirs, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 148 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract Nos. 46 and 47) (Map 10, Parcel Nos. 32, 33, 33.1 and 48) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of April 28, 2015, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Juanita Yoho or heirs;
Heirs of Inge Yoho;
Angela Robertson;
Teresa Capers;
Danny Yoho;
Rachel Yoho Markin;
Morgan Yoho;
Andrew Yoho;
Jane Erwin;
Roberta Border Hart;
Jacquelyn Border Moniak;
William C. Border, Jr.;
Garnie B. Rooker or heirs;
Marilyn Escue;
Darryl Morris;

103-03157

SPILMAN THOMAS & BATTLE PLLC
ATTORNEYS AT LAW

Bradley D. Morris;
Alexander Lynch;
Lori Strosnider;
William J. Burbridge;
Debra M. Kemp;
Kyle J. Burbridge;
Christopher S. Burbridge;
Diana Arnold;
Cheryl Vogel;
Lois Sharrard;
Charles Inman;
David Strosnider, Jr.
Dennis J. Strosnider;
Rhonda J. Strosnider Dominguez;
Janice A. Adams;
Barbara White;
Lester Strosnider;
Clara Pierce or heirs;
Mabel Prochaska or heirs;
Leon W. Strosnider or heirs;
Perry (a/k/a John) Strosnider or heirs;
Jane E. Berlin;
Arthur Berlin;
East Resources, Inc.; and
HG Energy, LLC.

All subject to the qualifications and limitations contained in that certain title opinion dated July 1, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8545003

103-03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Shiben Estates, Inc., et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 92-1/4 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 49, et al.) (Map 14, Parcel Nos. 3 and 4 AND Map 10, Parcel 50) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of October 16, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Shiben Estates, Inc.;
Sharon L. Burton;
Thelma Nell Palmer;
Michelle C. Sherwood;
Glenn Fair Palmer Estate, including Daria Felice Palmer Brooks, Christopher Fell Palmer, Lisa Marian Palmer Beers and Anita Louise Palmer Croghan;
C. S. Harman, Heirs or Assigns;
Ronald Yeater;
John Yeater;
Theresa A. Sowers;
Sandra Click;
Debra Yeater-Smith;
Paul Stamm, Heirs or Assigns;
Bert Stamm , Heirs or Assigns;

103-03157

SPILMAN THOMAS & BATTLE PLLC
ATTORNEYS AT LAW

Henry Stamm, Heirs or Assigns;
Ella Walters, Heirs or Assigns;
Richard Talbott, Heirs or Assigns;
Lon Sidell, Heirs or Assigns; and
William S. Stevenson, Heirs or Assigns.

All subject to the qualifications and limitations contained in that certain title opinion dated March 31, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8544133

103-03157

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Jehu Lemasters, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 36 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 50) (Map 14, Parcel No. 17) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of October 20, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Jehu Lemasters;
Sharon L. Burton;
Thelma Nell Palmer;
Michelle C. Sherwood
Glenn Fair Palmer Estate, including Daria Felice Palmer Brooks, Christopher Fell Palmer, Lisa Marian Palmer Beers and Anita Louise Palmer Croghan;
Lura E. Anderson Unknown Devisees, Heirs, Successors or Assigns;
Bell Postlethwait Unknown Devisees, Heirs, Successors or Assigns; and
E. E. Stewart Unknown Devisees, Heirs, Successors or Assigns.

103-03157

SPILMAN THOMAS & BATTLE PLLC
ATTORNEYS AT LAW

All subject to the qualifications and limitations contained in that certain title opinion dated April 21, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8596671

103-03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Coastal Forest Resources Company of the **oil and gas** in place within and underlying a tract or parcel of land containing 2-3/4 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 54) (Map 14, Parcel No. 2.1) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of July 1, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in Coastal Forest Resources Company d/b/a Coastal Timberlands Company, subject to the qualifications and limitations contained in that certain title opinion dated April 23, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8549548

103-03157

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Jack L. Crihfield, Jr., et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 78.1 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 60) (Map 14, Parcel No. 26) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of October 20, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Jack L. Crihfield, Jr.;
Doris Postlethwait Twyman;
Nela Craig, heirs or assigns;
Barbara Postlethwait Norris, heirs or assigns;
Barbara J. Postlethwait;
Kathleen R. Young;
Vivian Lee Young;
Patsy Y. Wharton;
Eleanor K. Busch;
Lawrence R. Young, Jr.;
Mary Jo Price;
George LeMoyne Horner;
Barbara Ann Shuman;
Martha Arrick;
Sharon Henthorn;

103-03157

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

Linda Hix;
William Francik and Pamela Francik; and
Thomas Iacoboni.

All subject to the qualifications and limitations contained in that certain title opinion dated April 15, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8596680

103-03157

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Piney Holdings Inc., et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 105 acres, more or less, situate in Center District, Wetzel County, West Virginia **(Western AMI Tract No. 69) (Map 10, Parcel No. 35 and 51) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of January 1, 2016, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Piney Holdings Inc.;
Shiben Estates;
Sherril K. Wilson or unknown heirs or assigns;
Devisees of Sammie Dell Zugaro;
Sidney Wilson;
Lois Asply;
D. Joan Martino;
Carol L. Van Scyoc;
Lewis David Yeater;
Phyllis P. Gregosky;
Julia Cecil Gale Trust;
Kathryn L. Miller;
Marguerite Harbison;
Michael B. Shepard;
James W. Shepard;

Laurie A. Shepard;
Jean M. Shepard;
Rebecca J. Norris;
Cheryl A. VanPelt;
William L. McPeek;
Wilford Lewis McPeek;
Gregory Vincent Steinhart;
Rosemary Agnes Lunemann;
Monica Ann Renn;
Yvonne Marie Smith;
Willa L. Yeater;
Elma Yeater Wilkens;
Genevieve Yeater Davis;
John K. Otto;
Lewis W. Otto;
Elizabeth Yeater Moran;
Devisees of William Leo Yeater;
Larry W. Yeater;
William J. Vest Trust Agreement;
Children of Alton Paul Yeater;
Bessie O. Williams;
Carl R. Yeater;
Carolyn Jane Weller;
David Ellis Lowe;
Rodney Chester Lowe;
Catherine Lowe Kline;
Freda Quigley;
Donald Rex Quigley;
James P. Reid;
Barbara Persinger;
Teri Lee Parrish (Perrish);
William G. Yeater;
Karen Yeater Jones;
Rachel Ann Yeater;
Black Gold Group Ltd.;
Harold L. Yeater Trust under certain Trust Agreement dated January 30, 1999;
William Charles Atwell;
John Kevin Atwell;

Michael Gerard Atwell;
Phyllis Jean Ernst;
Gloria Miller;
Jenny Miller;
Leonard O. Haberbosch;
Sharon C. Smith;
Patricia A. Gulutz;
Diana S. Grafton;
Donald Brooks Wesley;
Frederick M. Yeater;
Melissa Schroth;
Mark Hunt;
Mrs. Hermit Yeater;
Russell Yeater;
Edward Yeater;
Betty Johnson;
John B. Yeater Jr.;
Martha Ann Migliorini;
Donna Sue Kirch;
Douglas I. Gamble;
Ann Louise Martin;
Arch Albert Conner;
Conrad Sherwood Yeater;
Harold Yeater;
Merle Kelley;
Harlan Kelley;
Scott C. Harris;
Sandra Winslow;
Bessie Wellman;
Edna Ruckman;
Raymond Yeater;
Heirs of Woodrow M. Yeater Sr.;
Mary Jo Earnshaw;
Lulu Reck Heirs;
Wilma Miller;
Nancy Truex;
Gerald Elvin Yeater;
Faye Yeater-Weekly;

Darrell Yeater;
Hubert Morris;
Hester Dugan;
Donna Sue Richmond;
Harold Parson Richmond;
Mary Jane Bungard (subject to dower of Phyllis Yeater);
Barbara Lynn Schmalz (subject to dower of Phyllis Yeater);
Terry Wilson Yeater (subject to dower of Goldie Yeater);
Janet Hilpert (subject to dower of Goldie Yeater);
Ricky Allen Yeater (subject to dower of Goldie Yeater);
Sharon Louise Yeater (subject to dower of Goldie Yeater);
Linda Kay Morris Wilson;
Nancy J. Foti;
Karen B. Frame;
Kathy Albright;
Kim Hawkins;
Collenn Heath McClain Moore;
William K. Heath;
T&D Corporation;
Gerald Bruce Jones;
Mary Barbara Jones;
Madelyn E. Pennington;
Arlena B. Horner;
John W. Heath;
Janice F. Brookover;
Jeanette M. Heath;
Kathleen I. Francis;
Barbara L. Heath;
Sharon J. McMillen;
Eric K. Yost;
Albert B. Yost II;
Judith Ashcraft;
Melody Ree Posey; and
Larry Walker Stalnaker.

All subject to the qualifications and limitations contained in that certain title opinion dated February 25, 2016.

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8549573

103-03157

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Piney Holdings Inc., et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 24-1/2 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 71) (Map 10, Parcel No. 34) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of October 14, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Piney Holdings, Inc.;
Chesapeake Appalachia, LLC;
Ed Broome, Inc.;
Douglas A. Broome;
BP Mineral Holdings;
OXY USA, INC.;
Somerset Minerals, LP;
Deborah Lowery;
Melissa Johnson;
Rhonda Wright;
Harley Moore;
Norman H. Moore;
Rosalea Winland;
Judith Gayle Speedy;
Hazel Ann Morris;

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

Roger Lee Moore;
Janet Fern Perzel;
Sarah Midcap Gross;
Johnny Midcap;
Linda Sue Brady;
James Edward Midcap;
Roger Leroy Midcap;
Billy Midcap;
Catherine Faye Miller;
Ralph G. Preston;
Mark L. Preston;
Pamela J. Preston Riggenbach; and
Darla Rosanne Preston Merckle.

All subject to the qualifications and limitations contained in that certain title opinion dated May 20, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8550880

103-03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Ralph E. Phillips and Velinda K. Phillips, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 15.90 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 72) (Map 14, Parcel No. 6.1) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of September 15, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Ralph E. Phillips and Velinda K. Phillips;
Marian Faulkner; and
Clarence Coulbourne.

All subject to the qualifications and limitations contained in that certain title opinion dated April 7, 2016.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8552121

103-83157

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Coastal Forest Resources Company, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 66 acres 2 rods 22 perches, more or less, situate in Center District, Wetzel County, West Virginia **(Western AMI Tract No. 73) (Map 14, Parcel No. 5) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of December 9, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Coastal Forest Resources Company;
Elmer E. Crane, heirs or assigns;
Phylis Lavell;
Roberta Thelma Schramm;
Jeffrey Zabinski;
Vickie Mullen;
Maxine Louise Beckner;
Carol Sue Becker;
Helen Leota November;
Donald Neil Crane;
Debra Elaine Myers;
Josephine K. Crane;
Janet Faye Richman;
Frank Vernon Fisher;
Larry R. Simpson;

103-03157

SPILMAN THOMAS & BATTLE, PLLC
ATTORNEYS AT LAW

Donald G. Simpson;
Joyce M. Everitt; and
Patti S. Morrow.

All subject to the qualifications and limitations contained in that certain title opinion dated November 25, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8552165

103-03157

SPILMAN THOMAS & BATTLE, PLLC

ATTORNEYS AT LAW

June 24, 2016

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

Re: Well No.: _____
Operator: Drilling Appalachian Corporation

Re: Ownership by Shiben Estates, et al. of the **oil and gas** in place within and underlying a tract or parcel of land containing 80 acres, more or less, situate in Center District, Wetzel County, West Virginia (**Western AMI Tract No. 80) (Map 14, Parcel No. 28) (Surface Designation)**

Ladies and Gentlemen:

Pursuant to the request of our client, we hereby provide this certification to that certain title opinion covering the above-referenced tract or parcel of land, therefore:

We hereby certify that, in our opinion, subject to the correctness of the indices and to anything which may be disclosed by an accurate survey and inspection of the Subject Property, as of December 23, 2014, record title to the Subject Property, including, unless otherwise specifically set forth in the title opinion, the oil and gas along with all operational rights within and underlying any and all public streets, roadways and highways overlying the Subject Property, is vested in:

Shiben Estates;
Larry Garner;
Thomas Garner;
Milton Maxwell Shanley, Jr.;
WV Minerals, Inc.;
Betty Jo Gearhart;
Terry H. Abregg;
Ramona Joan Rice; and
Mary L. Pegg.

All subject to the qualifications and limitations contained in that certain title opinion dated April 9, 2015.

Very truly yours,

SPILMAN THOMAS & BATTLE, PLLC

By: _____
Travis H. Eckley, a Member

cc: Mr. Kenneth R. Mason, President, Drilling Appalachian Corporation
8552283

WW-6AC
(1/12)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE CERTIFICATION

Date of Notice Certification: 07/01/2016

API No. 47- 103 - 03157
Operator's Well No. POSTLETHWAIT 1M
Well Pad Name: POSTLETHWAIT/ROCK CAMP

Notice has been given:
Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	WEST VIRGINIA	UTM NAD 83	Easting:	-80.622556
County:	WETZEL		Northing:	39.635444
District:	CENTER	Public Road Access:		COUNTY ROAD 7/8
Quadrangle:	WILEYVILLE	Generally used farm name:		POSTLETHWAIT
Watershed:	FISHING CREEK			

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY	OOG OFFICE USE ONLY
☐ 1. NOTICE OF SEISMIC ACTIVITY or ☒ NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	☐ RECEIVED/ NOT REQUIRED
☒ 2. NOTICE OF ENTRY FOR PLAT SURVEY or ☐ NO PLAT SURVEY WAS CONDUCTED	☐ RECEIVED
☐ 3. NOTICE OF INTENT TO DRILL or ☒ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or ☐ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	☐ RECEIVED/ NOT REQUIRED
☒ 4. NOTICE OF PLANNED OPERATION	☐ RECEIVED
☒ 5. PUBLIC NOTICE	☐ RECEIVED
☒ 6. NOTICE OF APPLICATION	☐ RECEIVED

Required Attachments:
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

WW-6AC
(1/12)

103-03157

Certification of Notice is hereby given:

THEREFORE, I Kenneth Mason, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, 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 and imprisonment.

Well Operator:	DAC ENERGY LLC	Address:	POST OFFICE BOX 99
By:			ALMA WV 26320
Its:	Pres.	Facsimile:	304-758-2433
Telephone:	304-758-4638	Email:	lance.hickman@dacenergy.com

NOTARY SEAL

Subscribed and sworn before me this 1st day of July 2016.

Betty Fletcher Notary Public

My Commission Expires May 21, 2019

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A
(9-13)

API NO. 47- 103 - 03157
OPERATOR WELL NO. POSTLETHWAIT 1M
Well Pad Name: POSTLETHWAIT/ROCK CAMP

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**

Date of Notice: 7/1/2016 **Date Permit Application Filed:** 7/1/2016

Notice of:

☑ PERMIT FOR ANY WELL WORK

☐ CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

☐ PERSONAL SERVICE

☐ REGISTERED MAIL

☑ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

☑ Application Notice ☑ WSSP Notice ☑ E&S Plan Notice ☑ Well Plat Notice is hereby provided to:

☑ SURFACE OWNER(s)
Name: KENNETH R. & JENNIFER L. MASON
Address: POST OFFICE BOX 103
ALMA WV 26320
Name:
Address:

☑ SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: KENNETH R. & JENNIFER L. MASON
Address: POS TOFFICE BOX 103
ALMA WV 26320
Name:
Address:

☐ SURFACE OWNER(s) (Impoundments or Pits)
Name:
Address:

☐ COAL OWNER OR LESSEE
Name: CNX GAS COMPANY LLC
Address: 1000 CONSOL ENERGY DRIVE
CANONSBURG PA 15317-6506

☐ COAL OPERATOR
Name:
Address:

☑ SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)
Name: SEE ATTACHED LIST
Address:

☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name:
Address:

*Please attach additional forms if necessary

WW-6A
(8-13)

API NO. 47- 103 - 03157
OPERATOR WELL NO. POSTLETHWAIT 1M
Well Pad Name: POSTLETHWAIT/ROCK CAMP

Notice is hereby given:
Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

This Notice Shall Include:
Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Location Restrictions
Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

Water Well Testing:
Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

Water Testing Laboratories:
Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

Written Comment:
Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

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

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

WW-6A
(8-13)

API NO. 47- 103 - 03157
OPERATOR WELL NO. POSTLETHWAIT 1M
Well Pad Name: POSTLETHWAIT/ROCK CAMP

Time Limits and Methods for Filing Comments.

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) 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.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

Comment Requirements

Your comments must be in writing and 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.

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

Permit Denial or Condition

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

(1) The proposed well work will constitute a hazard to the safety of persons;
(2) The plan for soil erosion and sediment control is not adequate or effective;
(3) Damage would occur to publicly owned lands or resources; or
(4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

WW-6A
(8-13)

API NO. 47- 103 - 03157
OPERATOR WELL NO. POSTLETHWAIT 1M
Well Pad Name: POSTLETHWAIT/ROCK CAMP

Notice is hereby given by:

Well Operator: DAC ENERGY, LLC
Telephone: 304-758-4638
Email: lance.hickman@dacenergy.com

Address: POST OFFICE BOX 99
ALMA WV 26320
Facsimile: 304-758-2433

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Subscribed and sworn before me this 1st day of July, 2016.

Notary Public

My Commission Expires May 21, 2019

103-03157

Hand delivered

July 1, 2016

Kenneth R. Mason
Jennifer L. Mason
P.O. Box 103
Alma WV 26320

RE: WATER TESTING - POSTLETHWAIT 1M / ROCK CAMP 1M WELLS

Dear Mr. & Mrs. Mason,

This letter is to inform you that our company, DAC ENERGY, LLC is preparing to file for a permit to drill a new well. Before a well work permit can be filed, we are required to give notice of the right to request water well or spring analytical testing to the owner or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located withing 1500 feet of the proposed well site.

With this letter, we are giving you notice of your right to request analytical testing. We are required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, please contact us at your earliest convenience.

DAC ENERGY, LLC
P.O. BOX 99
ALMA, WV 26320

Ph: 304-758-4638

If you should have any questions, please contact our office.

Sincerely,
DAC ENERGY, LLC

Betty Fletcher

Betty Fletcher
Office Manager

WW-6AW
(1-12)

API NO. 47- 103 - 03157
OPERATOR WELL NO. POSTLETHWAIT 1M
Well Pad Name: POSTLETHWAIT/ROCK CAMP

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

VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A
The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions
Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided,* That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, KENNETH R. MASON, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	WEST VIRGINIA	UTM NAD 83 Easting:	-80.622556
County:	WETZEL	Northing:	39.635444
District:	CENTER	Public Road Access:	COUNTY ROAD 7/8
Quadrangle:	WILEYVILLE	Generally used farm name:	POSTLETHWAIT
Watershed:	FISHING CREEK		

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.

*Please check the box that applies

- ☒ SURFACE OWNER
- ☒ SURFACE OWNER (Road and/or Other Disturbance)
- ☐ SURFACE OWNER (Impoundments/Pits)
- ☐ COAL OWNER OR LESSEE
- ☐ COAL OPERATOR
- ☐ WATER PURVEYOR
- ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: Kenneth R. Mason
Print Name: Kenneth R. Mason
Date: 7-1-16

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____
By: _____
Its: _____

Signature: _____
Date: _____

Oil and Gas Privacy Notice:
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6AW
(1-12)

API NO. 47- 103 - 03157
OPERATOR WELL NO. POSTLETHWAIT 1M
Well Pad Name: POSTLETHWAIT/ROCK CAMP

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

VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A
The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions
Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary.

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided,* That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, JENNIFER L. MASON, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	WEST VIRGINIA	UTM NAD 83 Easting:	-80.622556
County:	WETZEL	Northing:	39.635444
District:	CENTER	Public Road Access:	COUNTY ROAD 7/8
Quadrangle:	WILEYVILLE	Generally used farm name:	POSTLETHWAIT
Watershed:	FISHING CREEK		

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.

*Please check the box that applies

- ☒ SURFACE OWNER
- ☒ SURFACE OWNER (Road and/or Other Disturbance)
- ☐ SURFACE OWNER (Impoundments/Pits)
- ☐ COAL OWNER OR LESSEE
- ☐ COAL OPERATOR
- ☐ WATER PURVEYOR
- ☐ OPERATOR OF ANY NATURAL GAS STORAGE FIELD

FOR EXECUTION BY A NATURAL PERSON

Signature: _____
Print Name: Jennifer Mason
Date: 6-30-16

FOR EXECUTION BY A CORPORATION, ETC.

Company: _____
By: _____
Its: _____

Signature: _____
Date: _____

Oil and Gas Privacy Notice:
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6RW
(1-12)

API NO. 47- 103 - 03157
OPERATOR WELL NO. POSTLETHWAIT 1M
Well Pad Name: POSTLETHWAIT/ROCK CAMP

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL LOCATION RESTRICTION WAIVER

The well operator, DAC ENERGY LLC is applying for a permit from the State of West Virginia to conduct oil or gas well work. Please be advised that well work permits are valid for twenty-four (24) months.

Well Location Restrictions

Pursuant to West Virginia Code § 22-6A-12(a), Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements.

WAIVER

I, JENNIFER L. MASON, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	WEST VIRGINIA	UTM NAD 83 Easting:	-80.622556
County:	WETZEL	UTM NAD 83 Northing:	39.635444
District:	CENTER	Public Road Access:	COUNTY ROAD 7/8
Quadrangle:	WILEYVILLE	Generally used farm name:	POSTLETHWAIT
Watershed:	FISHING CREEK		

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 and I therefore waive all well site restrictions listed under West Virginia Code § 22-6A-12(a).

WELL SITE RESTRICTIONS BEING WAIVED	FOR EXECUTION BY A NATURAL PERSON
*Please check all that apply	Signature:
☑ EXISTING WATER WELLS	Print Name: Jennifer Mason
☑ DEVELOPED SPRINGS	Date: 6-30-16
☑ DWELLINGS	FOR EXECUTION BY A CORPORATION, ETC.
☑ AGRICULTURAL BUILDINGS	Company:
	By:
	Its:
	Signature:
	Date:

Well Operator: DAC ENERGY LLC
By: KENNETH R. MASON
Its: PRESIDENT

Signature: Kenneth Mason
Telephone: 304-758-4638

NOTARY SEAL

Subscribed and sworn before me this 1st day of July 2016

Betty Fletcher Notary Public

My Commission Expires May 21, 2019

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6RW
(1-12)

API NO. 47- 103 03157
OPERATOR WELL NO. POSTLETHWAIT 1M
Well Pad Name: POSTLETHWAIT/ROCK CAMP

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

WELL LOCATION RESTRICTION WAIVER

The well operator, DAC ENERGY LLC is applying for a permit from the State of West Virginia to conduct oil or gas well work. Please be advised that well work permits are valid for twenty-four (24) months.

Well Location Restrictions

Pursuant to West Virginia Code § 22-6A-12(a), Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements.

WAIVER

I, KENNETH R. MASON, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through _____, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	WEST VIRGINIA	UTM NAD 83 Easting:	-80.622556
County:	WETZEL	UTM NAD 83 Northing:	39.635444
District:	CENTER	Public Road Access:	COUNTY ROAD 7/8
Quadrangle:	WILEYVILLE	Generally used farm name:	POSTLETHWAIT
Watershed:	FISHING CREEK		

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 and I therefore waive all well site restrictions listed under West Virginia Code § 22-6A-12(a).

WELL SITE RESTRICTIONS BEING WAIVED
*Please check all that apply

- ☒ EXISTING WATER WELLS
- ☒ DEVELOPED SPRINGS
- ☒ DWELLINGS
- ☒ AGRICULTURAL BUILDINGS

FOR EXECUTION BY A NATURAL PERSON
Signature: Kenneth Mason
Print Name: Kenneth Mason
Date: July 1, 2016

FOR EXECUTION BY A CORPORATION, ETC.
Company: _____
By: _____
Its: _____
Signature: _____
Date: _____

Well Operator: DAC ENERGY LLC
By: KENNETH R. MASON
Its: PRESIDENT

Signature: Kenneth R Mason
Telephone: 304-758-4638

NOTARY SEAL

Subscribed and sworn before me this 1st day of July 2016

Betty Fletcher Notary Public

My Commission Expires May 21, 2019

Oil and Gas Privacy Notice:
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WW-6A3
(1/12)

REVISED

Operator Well No. POSTLETHWAIT 1M
103-03157

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF ENTRY FOR PLAT SURVEY

Notice Time Requirement: Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

Date of Notice: 6/23/2016 **Date of Planned Entry:** 6/30/2016

Delivery method pursuant to West Virginia Code § 22-6A-10a

☐ PERSONAL SERVICE ☐ REGISTERED MAIL ☒ METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

☒ SURFACE OWNER(s)
Name: KENNETH R. & JENNIFER L. MASON
Address: POST OFFICE BOX 103
ALMA WV 26320
Name:
Address:
Name:
Address:

☒ COAL OWNER OR LESSEE
Name: CNX GAS COMPANY,LLC
Address: 1000 CONSOL ENERGY DRIVE
CANONSBURG PA 15317-6506

☒ MINERAL OWNER(s)
Name: see attached list
Address:

*please attach additional forms if necessary

RECEIVED
Office of Oil and Gas
JUL 06 2016
WV Department of
Environmental Protection

Notice is hereby given:
Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: WEST VIRGINIA
County: WETZEL
District: CENTER
Quadrangle: WILEYVILLE
Approx. Latitude & Longitude: 39.635444 -80.622556
Public Road Access: COUNTY ROAD 7/8
Watershed: FISHING CREEK
Generally used farm name: POSTLETHWAIT

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: DAC ENERGY LLC
Telephone: 304-758-4638
Email: lance.hickman@dacenergy.com
Address: POST OFFICE BOX 99
ALMA WV 26320
Facsimile: 304-758-2433

Oil and Gas Privacy Notice:
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

103-03157

This letter is to verify that Kenneth R. Mason and Jennifer L. Mason have received the WW-6A3 Notice of Plat Entry and the WW-6A5 Notice of Planned Operations.

Kenneth R. Mason

Jennifer L. Mason

RECEIVED
Office of Oil and Gas

JUL 11 2016

WV Department of
Environmental Protection

103-03157

June 30, 2016

DAC Energy, LLC
Post Office Box 99
Alma, WV 26320

RE: REVISED COORDINATES

This letter is to inform you on the revised coordinates on the *NOTICE OF ENTRY FOR PLAT SURVEY* we had previously sent to you on the *POSTLETHWAIT 1M & ROCK CAMP 1M*

The revised coordinates are: Northing: 39.635444
Easting: -80.622556

Thank you,

DAC Energy LLC

RECEIVED
Office of Oil and Gas
JUL 06 2016
WV Department of
Environmental Protection

103-03157

Larry Garner
5130 Hampton Court
Zanesville, Ohio 43071

Thomas E. Garner
413 Tomlinson Avenue
Glen Dale, West Virginia 26038

Milton Maxwell Shanley, Jr.
696 Oglebay Drive
Wheeling, West Virginia 26003

Mary L. Pegg
1552 Sand Fork Road
Burnsville, West Virginia 26335

Ramona Joan Rice
920 Richmond Hill Drive
Marietta, Georgia 30068-4441

Terry & Sandra Aberegg
425 South Willow Avenue
Port Orange, Florida 32127

Betty Jo Gearhart
631 Lake Overlook Drive
Canton, Georgia 30114

WV Minerals
P.O. Box 5044
Fairmont, West Virginia 26555

Shiben Estates
P.O. Box 246
New Martinsville, WV 26155

Richard J. Bolen
Huddleston Bolen LLP
611 Third Avenue
P.O. Box 2185
Huntington, WV 25722

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Office of Oil and Gas
JUL 06 2016
WV Department of
Environmental Protection

WW-6A5
(1/12)

Operator Well No. POSTLETHWAIT 1M

103-03157

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF PLANNED OPERATION

Notice Time Requirement: notice shall be provided no later than the **filing date of permit application.**
Date of Notice: 07/01/2016 **Date Permit Application Filed:** 07/01/2016

Delivery method pursuant to West Virginia Code § 22-6A-16(c)

☐ CERTIFIED MAIL RETURN RECEIPT REQUESTED ☒ HAND DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)
(at the address listed in the records of the sheriff at the time of notice):

Name: KENNETH R. & JENNIFER L. MASON
Address: POST OFFICE BOX 103
ALMA WV 26320

Name: _____
Address: _____

Notice is hereby given:
Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State: WEST VIRGINIA
County: WETZEL
District: CENTER
Quadrangle: WILEYVILLE
Watershed: FISHING CREEK

UTM NAD 83 Easting: -80.622556
Northing: 39.635444
Public Road Access: COUNTY ROAD 7/8
Generally used farm name: POSTLETHWAIT

This Notice Shall Include:
Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: DAC ENERGY LLC
Telephone: 304-758-4638
Email: lance.hickman@dacenergy.com

Address: POST OFFICE BOX 99
ALMA WV 26320
Facsimile: 304-758-2433

Oil and Gas Privacy Notice:
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as 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 or your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

This letter is to verify that Kenneth R. Mason and Jennifer L. Mason have received the WW-6A3 Notice of Plat Entry and the WW-6A5 Notice of Planned Operations.

Kenneth R. Mason

Jennifer L. Mason

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Blue Mountain Inc.
bmi@bluemtninc.com 304.662.6486
www.bluemtninc.com

July 6, 2016

Ms. Kelly Kees, Engineer
Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304-2345

RE: MM109 Driveway Permit for the Postlethwait / Rock Camp Well Site

Dear Ms. Kees:

On behalf of DAC Energy, LLC, Blue Mountain Inc. submitted a MM109 Driveway Permit for the Postlethwait / Rock Camp Well Site. The application was submitted to WVDOH District Six on June 9, 2016. As per a phone conversation with Ms. Sharon Fluharty (District Six Permits Supervisor) on July 6, 2016, this permit is under review with the district and is anticipated to be issued on July 8, 2016. Ms. Fluharty stated that if any further verification of this permit's status is required to contact her at (304) 843-4020.

Should you have any questions or comments, please feel free to contact Blue Mountain, Inc. at (304) 662-6486.

Sincerely,

Anthony Farrell
Blue Mountain Inc.

Enclosures

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

Earl Ray Tomblin
Governor

Office of the District Engineer/Manager
District Six
1 DOT Drive * Moundsville, WV 26041 * 304-843-4000
July 1, 2016

Paul A. Mattox, Jr., P. E.
Secretary of Transportation /
Commissioner of Highways

DAC ENERGY, LLC

PO BOX 99
ALMA, WV 26320

Dear Applicant:

Your approved copy of Permit Number 06-2016-0222 for a DP - Drilling Permit permit type is enclosed. A description of the work is on the permit.

Please contact the District Six office:

Please notify the County Superintendent Randy Rush at 304-455-0900

at least 48 hours in advance of the date you plan to begin work so arrangements can be made to inspect the work authorized by the permit.

Failure to comply will result in cancellation of your permit.

A copy of this permit is to be available on the job at all times while the work is in progress for inspection by the West Virginia Division of Highways' personnel.

Sincerely,

District Engineer / District Manager

Permit Supervisor

Initials: SLF:w
Attachments: Yes
Enclosure: No

E.E.O./AFFIRMATIVE ACTION EMPLOYER

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Form MM-109 Rev. 09-07-11

PERMIT NO. 06-2016-0222

PERMIT TO ENTER UPON, UNDER, OVER OR ACROSS THE STATE ROADS OF THE STATE OF WEST VIRGINIA, AS PROVIDED FOR IN §§17-16-6, 17-16-9 and 17-4-8, WEST VIRGINIA CODE, 1931, AS AMENDED.

THIS PERMIT, Made this 1st day of July 2016, between the

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, a statutory corporation hereinafter called DIVISION and

Name: DAC ENERGY, LLC

Address: PO BOX 99

Address: ALMA, WV 26320 Phone No: (304) 758-4638

EMail: _____ hereinafter called APPLICANT.

WITNESSETH

In consideration of the hereinafter set out covenants and in accordance with §§17-16-6, 17-16-9 or 17-4-8, of the Official Code of West Virginia, 1931, as amended, and the rules and regulations promulgated thereunder, APPLICANT does hereby apply to enter:

Route Type & No.: SLS 7/8 DOH Project No.: _____ (if applicable);

at 2.98 miles east of WV 7 Mile Post: 2.98

in 52 - Wetzel County, for the purposes hereinafter set forth and in accordance with the plans and specifications which are attached hereto and made a part hereof:

To construct and maintain a 50 foot wide maximum permanent approach to the Postlethwait/Rock Camp Well site which will originate on the right-of-way of CR 7/8 as shown on the attached sketch and plans. All work must comply with WV DOT/DOH specifications. All vehicles must enter/exit approach at no less than a 70 degree angle. Achieve and maintain minimum sight distances required from 10 feet off roadway at all times for this permit to remain valid. Must cut tree across from approach as shown in attached picture. No water allowed to drain into road.

APPLICANT further agrees to accept the conditions hereinafter set forth:

1. APPLICANT shall deposit with DIVISION the sum of $ 250000.00 in the form of an official, certified or cashier's check, or executed bond with surety satisfactory to DIVISION to cover any damage and inspection costs DIVISION may sustain by reason of the granting of this permit, including any expense incurred in restoring said highway to its original condition or the proper repair of any and all damages that may result within one (1) year from the date of the completion of said work.

2. APPLICANT agrees to reimburse DIVISION for inspection costs as follows:

- ☐ A. For any inspection costs incurred under this permit.
- ☐ B. At $ _____ per linear foot for _____ feet of water line installed under this permit.
- ☐ C. At $ _____ per linear foot for _____ feet of sewer line installed under this permit.

3. APPLICANT shall notify DIVISION at least 48 hours in advance of the date the work will begin. Failure to comply will be cause for cancellation of this permit.

4. APPLICANT agrees to protect its employees, equipment and users of the highway at all times in accordance with the current Division of Highways manual "Traffic Control For Street and Highway Construction and Maintenance Operations".

5. APPLICANT agrees to comply with all applicable state and federal laws in the performance of work under this permit.

6. Supplementary conditions cited on the reverse side of this permit are understood and agreed to be part hereof.

7. The work authorized under this permit shall be completed on or before (Date); July 1, 2017.

Applicant's signature on this permit affirms that all text herein is a verbatim reproduction of The West Virginia Division of Highways Encroachment Permit Form MM-109, revision date May 19, 2005. All attachments are inclusive to this permit.

RECOMMENDED: Sharon Dougherty

Title: Permit Supervisor

APPLICANT: Vice Pres. Blue Mountain Inc.

Signature and Title of Applicant

BOND REQUIREMENT:

BOND NO: 3202116 DATE: 8/1/2011

INSPECTION: Periodic - NoCost

APPROVED: _____

Title: District Engineer

West Virginia Division of Highways

AUTHORIZATION NO. _____

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Addendum to Permit

This addendum, made this 7th day of July 2016, between the West Virginia Department of Transportation, Division of Highways, a statutory company hereinafter called the Division

and DAC Energy, LLC

Address: PO Box 99, Alma, WV 26320 Phone: 304-758-4638

Hereinafter called APPLICANT.

The Applicant has filed with the DIVISION a written application for the following named routes and location:

From WV 7 Addendum to Permit #06-2016-0222
Wetzel CR 7/8, Postlethwait Ridge, MP 0.00 to MP 2.98

Applicant shall properly repair and maintain any and all damages that may result to said bridges, highways, shoulders, and ditches from hauling activities of Applicant, its agents, contractors and employees, to as good a condition as when the permit was issued, as determined by the District Engineer of the DIVISION having jurisdiction over the work permitted, or pay damages therefore in the amount to sufficiently restore such bridges, roads, highways, shoulders, and ditches to original condition; and shall reimburse the DIVISION for all inspection costs incurred by it in connection with said work and repairs of such damages and faithfully comply with all terms and conditions of said permits and save harmless the DIVISION and the State of West Virginia from all losses resulting from the conduct of said work and repairs; then this Bond shall be released ; or otherwise will remain in full force and effect.

Bond Amount: $250,000.00
Bond Number: 3202116 Date: 8/1/2011

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103-03157
PERMIT #6 2016 0 2 2 2

Revised 1/2012

Dist. Permit Number _____

BOND Number 3202116

OIL and GAS DATA INFORMATION SHEET

APPLICANT

Company Name DAC Energy LLC

Address PO Box 99

City Alma ST WV Zip 26320

Contact Person Permit Lance M. Hickman Telephone (304) 758-4638

24/7 Road Maintenance Contact Lance M. Hickman Telephone (304) 758-4638 Cell (304) 771-4739

24/7 Backup Contact Kenny Mason Telephone (304) 758-4638 Cell _____

Drilling/ Fracking will require usage of _____ Less than 5000 Barrels of fluids __X__ 5000 /+

Site Location

Site Name Postlethwait / Rock Camp Well Site

Road Local Name Greathouse Hill Road Rd Rte. # 7/8

Decimal Format GPS N: 39.63819° W: 80.62356° County: Wetzel

Location Description

On Rte. # 7/8 being 2.98 miles northeast of Jct. of SR. # 7 and CR. # 7/8

DOH USE ONLY HAULING ROUTE from US or WV Route (Attach Map)

Name & Rte. #	Beg MP	End MP	Surface Type	Condition
Greeathouse Hill From WV7 Wetzel Co.				
Road (CR 7/8)	0.00	2.98	Bituminous / Gravel	Poor
CR 78 Postlethwait Bridge	0.00	2.98	Surface Treated / HMA	Poor

Pad Center location WGS83 Decimal Format GPS N: 39.63544° W: 80.62256°

WV DEP Permit Number 47 - _____ - PERMIT #6 2016 0 2 2 2

STATE COUNTY PERMIT NUMBER

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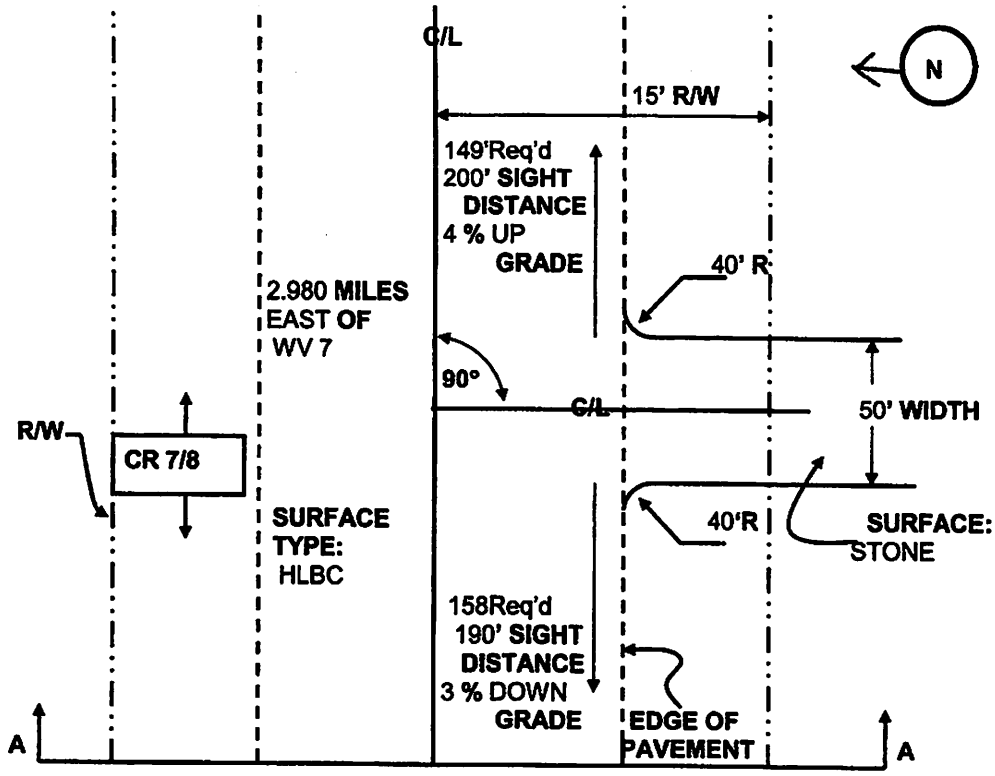
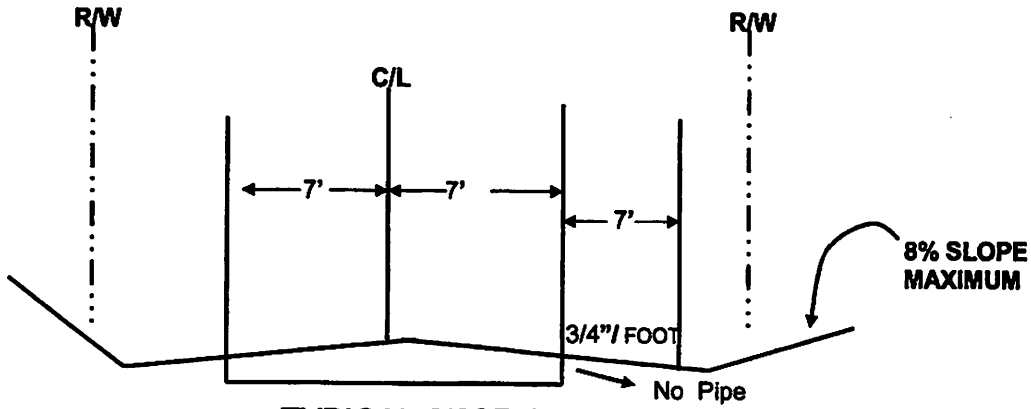


MILE POST 2.980 PLAN VIEW SPEED LIMIT: 25 MPH Est.



TYPICAL SECTION
Section AA

DETAILS FOR APPROACH TO **COUNTY** ROUTE NO. **7/8**
COUNTY **WETZEL** DATE **July 1, 2016**
FOR : **DAC- Must install a swale, no water allowed to drain into road.**
Must cut tree across from approach as shown in attached picture.

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D.A.C.
Wetzel CR 7/8
Milepost 2.98
View: SOUTH

Must ACHIEVE MINIMUM REQUIRED SIGHT DISTANCES ON ATTACHED SKETCH FROM 10 FEET OFF EDGE OF PAVEMENT AND MAINTAIN AT ALL TIMES.

TREES ON OPPOSITE SIDE OF ROAD MUST BE CUT TO SEE ONCOMING TRAFFIC While TRAVELING West bound. See ATTACHED PICTURE.

NO WATER ALLOWED TO DRAIN INTO ROAD.

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DAC.
Wetzel CR 7/8
Milepost 2.98
View: West

Remove trees AS shown above TO SEE ON COMING TRAFFIC WHEN TURNING LEFT INTO APPROACH WHILE TRAVELING WESTBOUND.

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DAC Wetzel CR 7/8 MP. 2.98

WEST

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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

Division of Highways

OFFICE OF THE DISTRICT ENGINEER
DISTRICT SIX
1 DOT Drive - Moundsville, WV 26041-2353 • 304/843-4008

Drilling Operators Permit Conditions & Requirements

1. Applicant must construct the approach in accordance with the guidelines set forth in the Manual on Rules and Regulations for Constructing Driveways on State Highway Right-Of-Way. The surfacing is specifically addressed on Pages 20 and 21 under Section 8.4.6.

2. No work may be performed at this approach site after completion date, without obtaining written permission from District Six Permit Office to modify or extend permit.

3. Applicant must provide required Traffic Control at all times. Failure to provide Required Traffic Control will void this permit.

4. At no time may the drilling operation encroach on DOH right-of-way. Specifically, no loading or staging operations may be conducted on the traveled way or within DOH right-of-way or employee parking along the right-of-way.

5. A driveway shall not be approved for parking or loading areas that require backing maneuvers within the state highway right-of-way. Such parking areas must include on-site maneuvering areas and aisles to permit vehicles to enter and exit the site in forward drive without hesitation.

6. Applicant is responsible for removing mud and debris immediately that is caused by any entity involved with this drilling operation.

7. Applicant must notify the Permit Office at 304-843-4019 when drilling operations cease due to abandoning a well and the driveway approach will no longer be used. The approach must be removed and ditch line restored including the removal of pipe.
   The property owner must place the approach in their name for the driveway to remain.

   Bonds will not be released until every approach issued to your company has been removed or placed in the property owner's name.

8. Must be able to see the minimum required sight distances listed in the permit at all times for this permit to be valid. Any brush, trees or obstructions to the line of sight will void the permit.

   Entrance must be installed in accordance with the WV Rules & Regulations for Constructing Driveways on State Rights-of-Way. Website:
   http://www.transportation.wv.gov/highways/traffic/Documents/DrivewayManual.pdf

Failure to comply with any condition or requirement will void this permit.

E.E.O./AFFIRMATIVE ACTION EMPLOYER

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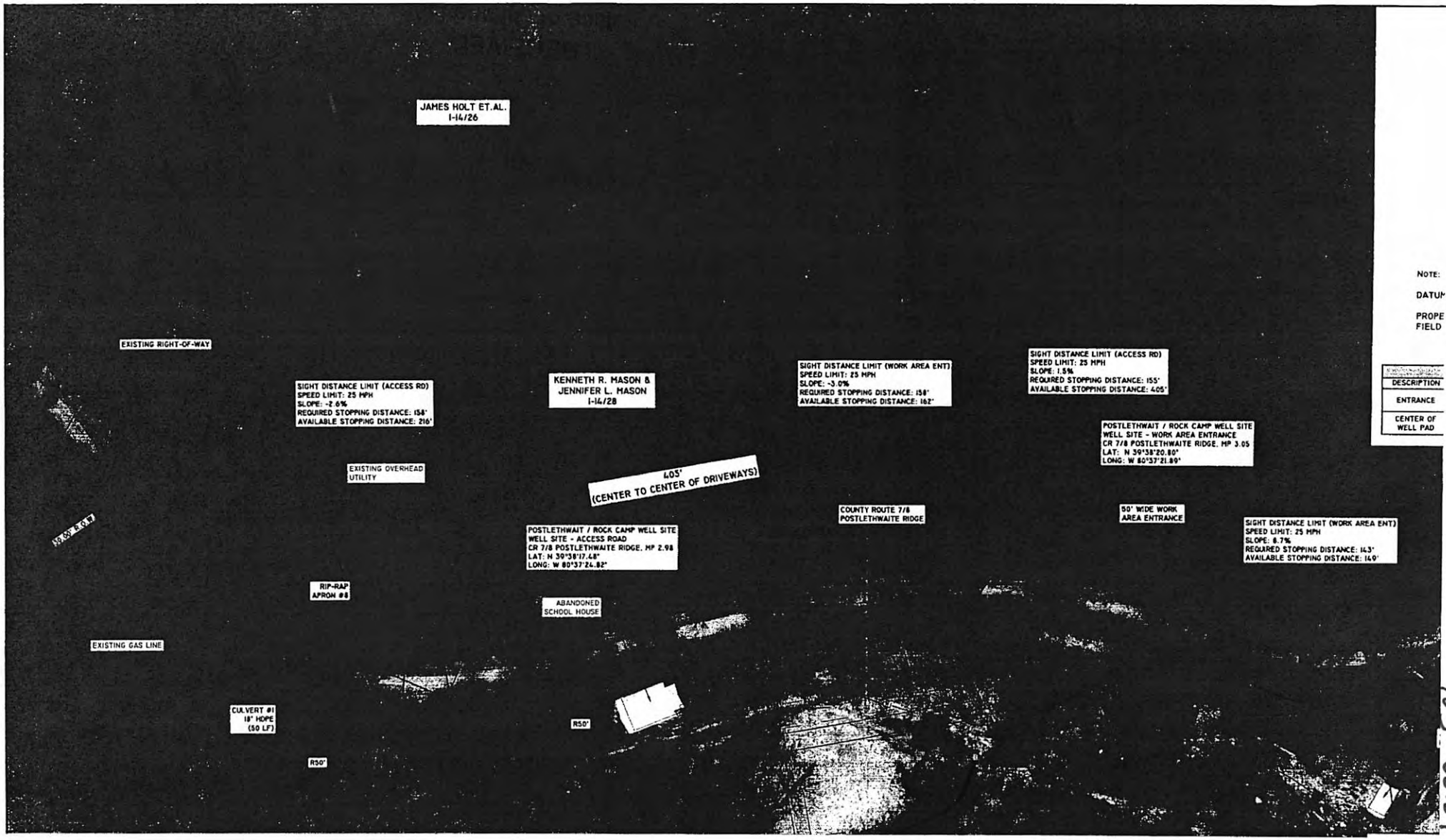

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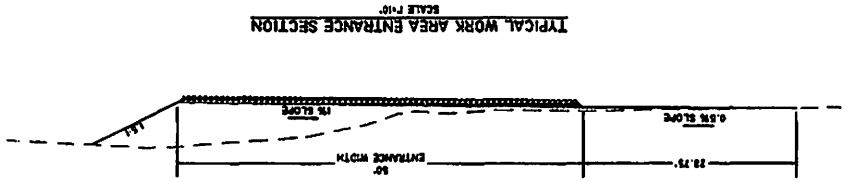

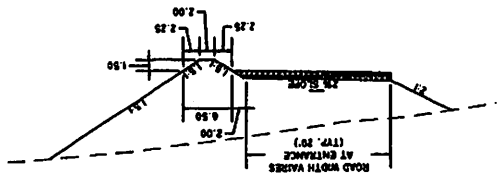

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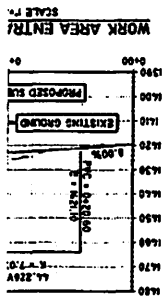

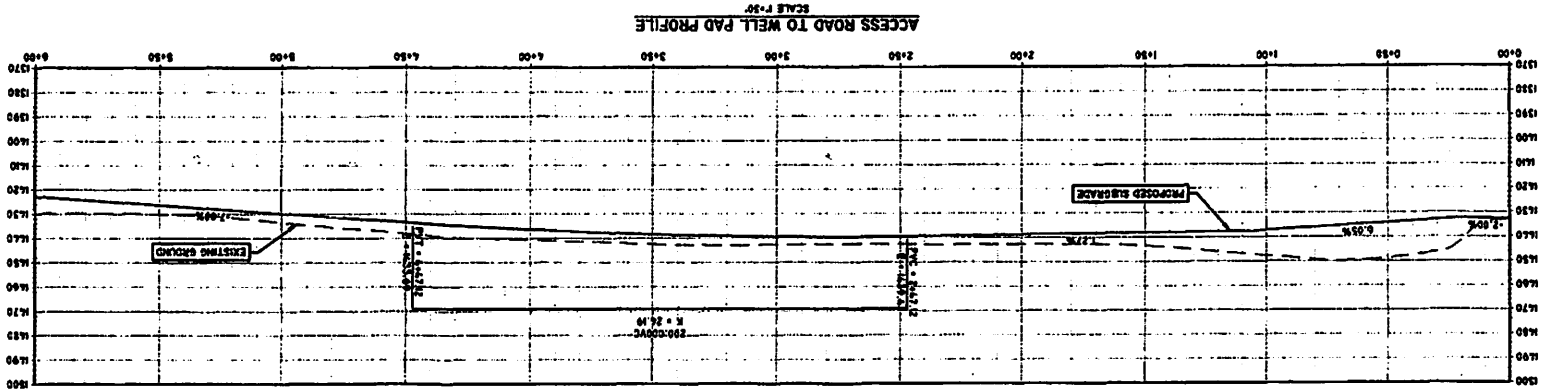

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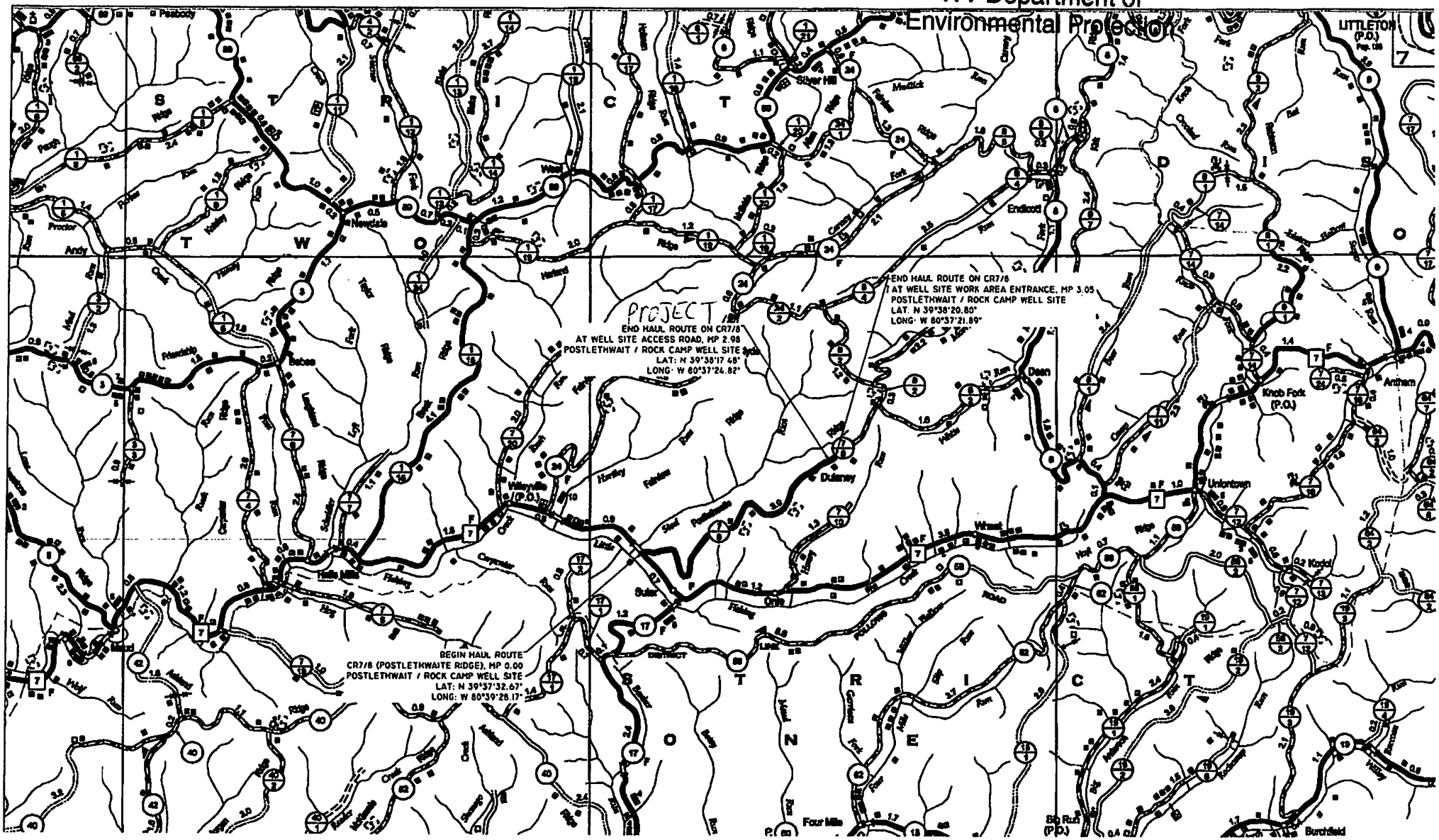


LOCATION MAP
NOT TO SCALE

DAC ENERGY, LLC

PO BOX 99
ALMA, WV 26320

POSTLETHWAIT/ ROCK CAMP WELL SITE

PAD CENTER LOCATION

NAD 83 - LAT: 39°38'07.60"; LONG: 80°37'21.20"
NAD27 - LAT: 39° 38'7.31"; LONG: 80°37'21.88"
UTM, NAD 83 - N: 4387363.6 E: 532389.6

ENTRANCE LOCATION

NAD 83 - LAT: 39°38'17.27"; LONG: 80°37'25.24"
NAD 27 - LAT: 39°38'16.98"; LONG: 80°37'25.92"
UTM, NAD 83 - N: 4387655.4; E: 530861.9

CENTER DISTRICT,
WETZEL COUNTY, WEST VIRGINIA
DATE: JUNE 07, 2016

APPROVED
WVDEP OOG
9/9/2016

PROJECT INFORMATION

SURFACE OWNER:
KENNETH R. MASON & JENNIFER L. MASON
TAX MAP/PARCEL 01-14-28

SITE LOCATION:
THE POSTLETHWAIT SITE IS LOCATED SOUTHEAST OF COUNTY ROUTE 7/8 (GREATHOUSE HILL RD) APPROXIMATELY 3.0 MILES NORTHEAST OF ITS INTERSECTION WITH WV ROUTE 7.

ENTRANCE PERMIT

DAC ENERGY, LLC. WILL OBTAIN AN ENCROACHMENT PERMIT (FORM MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

MISS UTILITY

MISS UTILITY OF WEST VIRGINIA WAS NOTIFIED FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN (TICKET NO. 1609840735). IN ADDITION, MISS UTILITY WILL BE CONTACTED PRIOR TO THE START OF THE PROJECT.

FLOODPLAIN NOTE

THE PROPOSED LIMITS OF DISTURBANCE FOR THIS PROJECT ARE NOT LOCATED IN A FLOOD ZONE, PER THE FLOOD INSURANCE RATE MAP (FIRM) NUMBERS 54103C0100C.

NOTE: DRAWING WAS CREATED ON 22x34 PAPER. 11x17 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

SHEET INDEX	
DRAWING NUMBER	DRAWING NAME
1	COVER SHEET
2	GENERAL NOTES (1 OF 2)
3	GENERAL NOTES (2 OF 2)
4	1/2 MILE BOUNDARY OVERVIEW
5	EXISTING CONDITIONS
6	OVERALL SITE PLAN
7	OVERALL SITE PLAN W/ ORTHO
8	DETAILED SITE PLAN (1 OF 4)
9	DETAILED SITE PLAN (2 OF 4)
10	DETAILED SITE PLAN (3 OF 4)
11	DETAILED SITE PLAN (4 OF 4)

SHEET INDEX	
DRAWING NUMBER	DRAWING NAME
12	ROAD PROFILES & TYPICAL SECTIONS
13	ROAD CROSS SECTIONS
14	PAD & STOCKPILE SECTIONS
15	RECLAMATION PLAN (1 OF 4)
16	RECLAMATION PLAN (2 OF 4)
17	RECLAMATION PLAN (3 OF 4)
18	RECLAMATION PLAN (4 OF 4)
19	CONSTRUCTION DETAILS (1 OF 3)
20	CONSTRUCTION DETAILS (2 OF 3)
21	CONSTRUCTION DETAILS (3 OF 3)
22	MATERIAL QUANTITIES

Blue Mountain Inc.
Engineers and Land Surveyors
11023 Mason Dixon Hwy.
Burton, WV 26562-9656
(304) 662-6486

811
Know what's **below.**
Call before you dig.

LOCATION MAP
LITTLETON 7.5M USGS QUADRANGLE
SCALE 1"=2000

ENVIRONMENTAL NOTES

A WETLAND DELINEATION WAS PERFORMED ON APRIL 12, 2016 BY BLUE MOUNTAIN INC. TO REVIEW THE SITE FOR WATERS AND WETLANDS THAT ARE MOST LIKELY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORPS OF ENGINEERS AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION. THE MAY 4,2016 REPORT FOR THE POSTLETHWAIT/ ROCK CAMP WELL SITE, WHICH WAS PREPARED BY BLUE MOUNTAIN INC. SUMMARIZES THE RESULTS OF THE FIELD DELINEATION. THE REPORT DOES NOT, IN ANY WAY, REPRESENT A JURISDICTIONAL DETERMINATION OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY BE REGULATED BY THE USACE OR WVDEP. IT IS STRONGLY RECOMMENDED THAT THE AFOREMENTIONED AGENCIES BE CONSULTED IN AN EFFORT TO GAIN CONFIRMATION OF THE DELINEATION DESCRIBED BY THE REPORT PRIOR TO ENGAGING CONSTRUCTION ON THE PROPERTY DESCRIBED HEREIN. THE DEVELOPER SHALL OBTAIN THE APPROPRIATE PERMITS FROM THE FEDERAL AND/OR STATE REGULATORY AGENCIES PRIOR TO ANY PROPOSED IMPACTS TO WATERS OF THE U.S., INCLUDING WETLAND FILLS AND STREAM CROSSINGS.

GEOTECHNICAL NOTES

THIS DESIGN WAS PERFORMED WITHOUT A GEOTECHNICAL INVESTIGATION; THEREFORE, BLUE MOUNTAIN INC. SHALL ASSUME NO RESPONSIBILITY FOR ANY UNFORESEEN SITE CONDITIONS DURING OR AFTER CONSTRUCTION, INCLUDING ANY POTENTIAL SLOPE OR EMBANKMENT FAILURES DUE TO A SURCHARGE LOAD OR OTHER CAUSES.

RESTRICTIONS

1. THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300' OF THE PAD & LOD.
2. THERE ARE NO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY FACILITIES WITHIN 1000' OF THE PAD AND LOD.
3. THERE ARE NO EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF THE WELLS BEING DRILLED.
4. THERE ARE NO OCCUPIED DWELLING STRUCTURES WITHIN 625' OF THE CENTER OF THE PAD.
5. THERE ARE NO AGRICULTURAL BUILDINGS LARGER THAN 2,500 SQUARE FEET WITHIN 625' OF THE CENTER OF THE PAD.
6. THERE ARE NO PERENNIAL STREAMS, LAKES, PONDS OR RESERVOIRS WITHIN 100' OF THE PROPOSED LIMITS OF DISTURBANCE.

CERTIFICATION:

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE EROSION AND SEDIMENT CONTROL PLAN AND SITE RESTORATION PLAN AND POST CONSTRUCTION BMPS ARE TRUE AND CORRECT, REPRESENT ACTUAL FIELD CONDITIONS AND ARE IN ACCORDANCE WITH THE WEST VIRGINIA CODE AND THE DEPARTMENT'S RULES AND REGULATIONS. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

SIGNATURE: _____ DATE: 06/07/2016

Blue Mountain Inc.
Engineers and Land Surveyors
11023 Mason Dixon Hwy.
Burton, WV 26562-9656
(304) 662-6486

DAC ENERGY, LLC
PO BOX 99
ALMA, WV 26320

POSTLETHWAIT/ ROCK CAMP WELL SITE
COVER SHEET

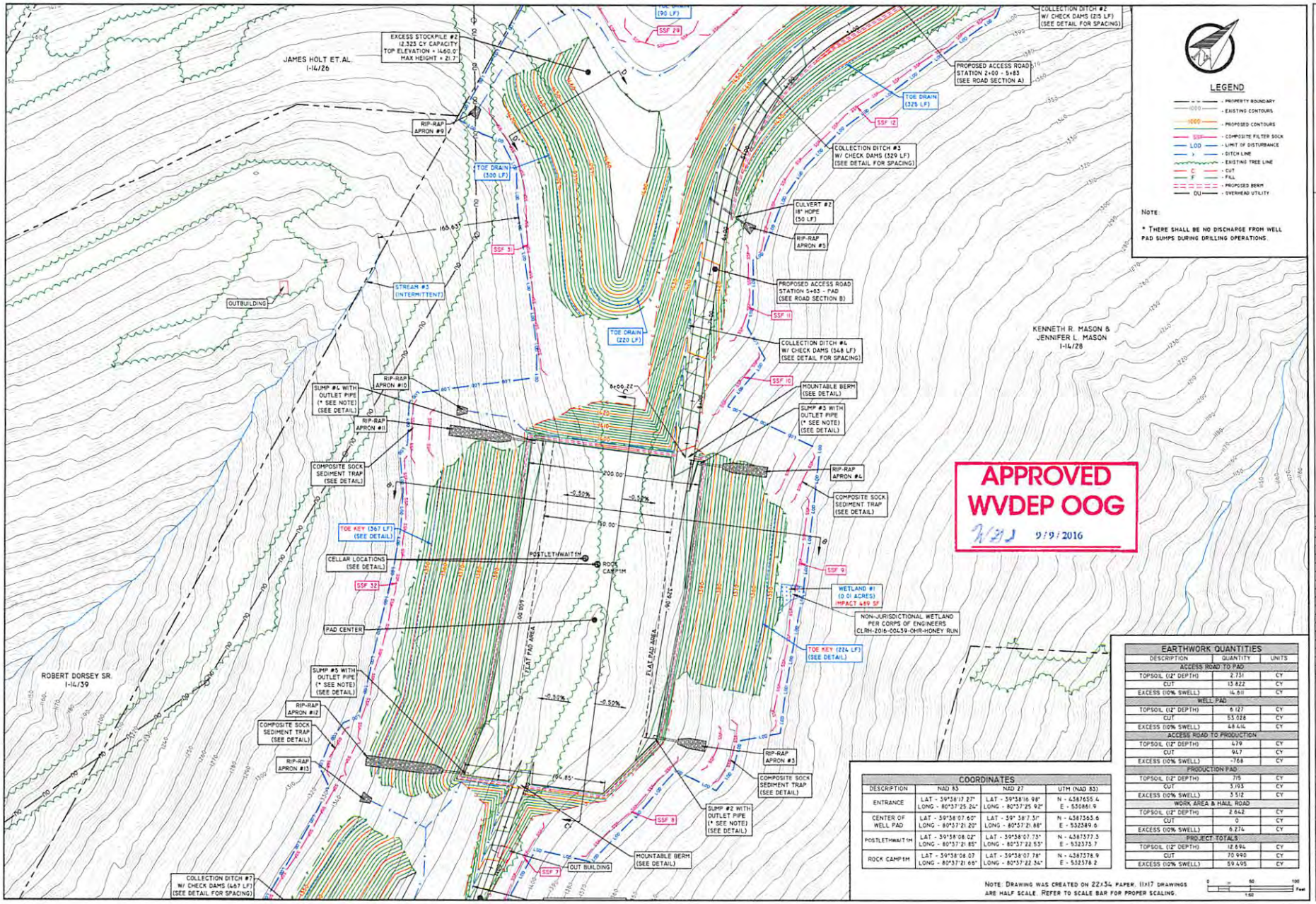
REVISIONS

DATE	TYPE
8/24/16	DEP REVISIONS

JOSHUA DIAZ
REGISTERED
16852
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

DRAWN BY: NSH
CHECKED BY: JND
DATE: 06/07/2016
SCALE: AS SHOWN
JOB NO:
DRAWING NAME: POSTLETHWAIT DESIGN

SHEET NO: 1



LEGEND

- PROPERTY BOUNDARY
- EXISTING CONTOURS
- PROPOSED CONTOURS
- SSF — COMPOSITE FILTER SOCK
- LOD — LIMIT OF DISTURBANCE
- DITCH LINE
- EXISTING TREE LINE
- C — CUT
- F — FILL
- PROPOSED BERM
- OU — OVERHEAD UTILITY

Note:

* THERE SHALL BE NO DISCHARGE FROM WELL PAD SUMPS DURING DRILLING OPERATIONS.

APPROVED
WVDEP OOG
9/9/2016

COORDINATES			
DESCRIPTION	NAD 83	NAD 27	UTM (NAD 83)
ENTRANCE	LAT - 39°38'17.27" LONG - 80°37'25.24"	LAT - 39°38'16.98" LONG - 80°37'25.92"	N - 4387655.4 E - 530861.9
CENTER OF WELL PAD	LAT - 39°38'07.60" LONG - 80°37'21.20"	LAT - 39° 38'7.31" LONG - 80°37'21.88"	N - 4387363.6 E - 532389.6
POSTLETHWAITH	LAT - 39°38'08.02" LONG - 80°37'21.85"	LAT - 39°38'07.73" LONG - 80°37'22.53"	N - 4387377.3 E - 532373.7
ROCK CAMP1M	LAT - 39°38'08.07 LONG - 80°37'21.68"	LAT - 39°38'07.78" LONG - 80°37'22.36"	N - 4387378.9 E - 532378.2

EARTHWORK QUANTITIES		
DESCRIPTION	QUANTITY	UNITS
ACCESS ROAD TO PAD		
TOPSOIL (12" DEPTH)	2,731	CY
CUT	13,822	CY
EXCESS (10% SWELL)	14,611	CY
WELL PAD		
TOPSOIL (12" DEPTH)	6,127	CY
CUT	53,028	CY
EXCESS (10% SWELL)	48,414	CY
ACCESS ROAD TO PRODUCTION		
TOPSOIL (12" DEPTH)	679	CY
CUT	947	CY
EXCESS (10% SWELL)	-768	CY
PRODUCTION PAD		
TOPSOIL (12" DEPTH)	715	CY
CUT	3,193	CY
EXCESS (10% SWELL)	1,512	CY
WORK AREA & HAUL ROAD		
TOPSOIL (12" DEPTH)	2,642	CY
CUT	0	CY
EXCESS (10% SWELL)	6,274	CY
PROJECT TOTALS		
TOPSOIL (12" DEPTH)	12,694	CY
CUT	70,990	CY
EXCESS (10% SWELL)	59,495	CY

NOTE: DRAWING WAS CREATED ON 22"x34" PAPER. 11"x17" DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

0 30 60 100 Feet
1:60

Blue Mountain Inc.
Engineers and Land Surveyors
1017-A Manor Drive Ave
Beckley, WV 25801
(304) 862-5656

DAC ENERGY, LLC
PO BOX 99
ALMA, WV 26320

POSTLETHWAIT/ ROCK CAMP WELL SITE
DETAILED SITE PLAN (2 OF 4)

REVISIONS

DATE	TYPE
8/24/16	DEP REVISIONS

JOSHUA DIAZ
REGISTERED
16852
STATE OF WEST VIRGINIA
PROFESSIONAL ENGINEER

DRAWN BY: NSH
CHECKED BY: JND
DATE: 06/07/2016
SCALE: AS SHOWN
JOB NO:
DRAWING NAME: POSTLETHWAIT DESIGN

SHEET NO. 9

LOCATION MAP
NOT TO SCALE

DAC ENERGY

PO BOX 99
ALMA, WV 263

POSTLETH
ROCK CAMP W

PAD CENTER LO

NAD 83 - LAT: 39°38'07.60";
NAD27 - LAT: 39° 38'7.31"; L
UTM, NAD 83 - N: 4387363

ENTRANCE LOC

NAD 83 - LAT: 39°38'17.27"; L
NAD 27 - LAT: 39°38'16.98"; L
UTM, NAD 83 - N: 4387655

CENTER DISTI

WETZEL COUNTY, WE

DATE: JUNE 07

PROJECT INFORMATION

SURFACE OWNER:
KENNETH R. MASON & JENNIFER L. MASON
TAX MAP/PARCEL 01-14-28

SITE LOCATION:
THE POSTLETHWAIT SITE IS LOCATED SOUTHEAST OF COUNTY ROUTE 7/8 (GREATHOUSE HILL RD) APPROXIMATELY 3.0 MILES NORTHEAST OF ITS INTERSECTION WITH WV ROUTE 7.

ENTRANCE PERMIT

DAC ENERGY, LLC. WILL OBTAIN AN ENCROACHMENT PERMIT (FORM MM-109) FROM THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

MISS UTILITY

MISS UTILITY OF WEST VIRGINIA WAS NOTIFIED FOR THE LOCATING OF UTILITIES PRIOR TO THIS PROJECT DESIGN (TICKET NO. 1609840735). IN ADDITION, MISS UTILITY WILL BE CONTACTED PRIOR TO THE START OF THE PROJECT.

FLOODPLAIN NOTE

THE PROPOSED LIMITS OF DISTURBANCE FOR THIS PROJECT ARE NOT LOCATED IN A FLOOD ZONE, PER THE FLOOD INSURANCE RATE MAP (FIRM) NUMBERS 54103C0100C.

NOTE: DRAWING WAS CREATED ON 22X34 PAPER. 11X17 DRAWINGS ARE HALF SCALE. REFER TO SCALE BAR FOR PROPER SCALING.

SHEET INDEX	
DRAWING NUMBER	DRAWING NAME
1	COVER SHEET
2	GENERAL NOTES (1 OF 2)
3	GENERAL NOTES (2 OF 2)
4	1/2 MILE BOUNDARY OVERVIEW
5	EXISTING CONDITIONS
6	OVERALL SITE PLAN
7	OVERALL SITE PLAN W/ ORTHO
8	DETAILED SITE PLAN (1 OF 4)
9	DETAILED SITE PLAN (2 OF 4)
10	DETAILED SITE PLAN (3 OF 4)
11	DETAILED SITE PLAN (4 OF 4)

SHEET INDEX	
DRAWING NUMBER	DRAWING NAME
12	ROAD PROFILES & TYPICAL SECTIONS
13	ROAD CROSS SECTIONS
14	PAD & STOCKPILE SECTIONS
15	RECLAMATION PLAN (1 OF 4)
16	RECLAMATION PLAN (2 OF 4)
17	RECLAMATION PLAN (3 OF 4)
18	RECLAMATION PLAN (4 OF 4)
19	CONSTRUCTION DETAILS (1 OF 3)
20	CONSTRUCTION DETAILS (2 OF 3)
21	CONSTRUCTION DETAILS (3 OF 3)
22	MATERIAL QUANTITIES

Blue M

Engineers

11023 M
Burton,
(30

Know wh
Call

103-03157

, LLC

520

WAIT/

VELL SITE

CATION

LONG: 80°37'21.20"

ONG: 80°37'21.88"

.6 E: 532389.6

ATION

ONG: 80°37'25.24"

ONG: 80°37'25.92"

.4; E: 530861.9

RICT,

ST VIRGINIA

, 2016

lountain Inc.

nd Land Surveyors

son Dixon Hwy.

WV 26562-9656

) 662-6486

's below.

before you dig.

DMH 7-1-16

LOCATION MAP

LITTLETON 7.5M USGS QUADRANGLE

SCALE: 1"=2000'

ENVIRONMENTAL NOTES

A WETLAND DELINEATION WAS PERFORMED ON APRIL 12, 2016 BY BLUE MOUNTAIN INC. TO REVIEW THE SITE FOR WATERS AND WETLANDS THAT ARE MOST LIKELY WITHIN THE REGULATORY PURVIEW OF THE U.S. ARMY CORPS OF ENGINEERS AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION. THE MAY 4,2016 REPORT FOR THE POSTLETHWAIT/ ROCK CAMP WELL SITE, WHICH WAS PREPARED BY BLUE MOUNTAIN INC, SUMMARIZES THE RESULTS OF THE FIELD DELINEATION. THE REPORT DOES NOT, IN ANY WAY, REPRESENT A JURISDICTIONAL DETERMINATION OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY BE REGULATED BY THE USACE OR WVDEP. IT IS STRONGLY RECOMMENDED THAT THE AFOREMENTIONED AGENCIES BE CONSULTED IN AN EFFORT TO GAIN CONFIRMATION OF THE DELINEATION DESCRIBED BY THE REPORT PRIOR TO ENGAGING CONSTRUCTION ON THE PROPERTY DESCRIBED HEREIN. THE DEVELOPER SHALL OBTAIN THE APPROPRIATE PERMITS FROM THE FEDERAL AND/OR STATE REGULATORY AGENCIES PRIOR TO ANY PROPOSED IMPACTS TO WATERS OF THE U.S., INCLUDING WETLAND FILLS AND STREAM CROSSINGS.

GEOTECHNICAL NOTES

THIS DESIGN WAS PERFORMED WITHOUT A GEOTECHNICAL INVESTIGATION; THEREFORE, BLUE MOUNTAIN INC. SHALL ASSUME NO RESPONSIBILITY FOR ANY UNFORESEEN SITE CONDITIONS DURING OR AFTER CONSTRUCTION, INCLUDING ANY POTENTIAL SLOPE OR EMBANKMENT FAILURES DUE TO A SURCHARGE LOAD OR OTHER CAUSES.

RESTRICTIONS

1. THERE ARE NO NATURALLY PRODUCING TROUT STREAMS WITHIN 300' OF THE PAD & LOD.
2. THERE ARE NO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY FACILITIES WITHIN 1000' OF THE PAD AND LOD.
3. THERE ARE NO EXISTING WATER WELLS OR DEVELOPED SPRINGS WITHIN 250' OF THE WELLS BEING DRILLED.
4. THERE ARE NO OCCUPIED DWELLING STRUCTURES WITHIN 625' OF THE CENTER OF THE PAD.
5. THERE ARE NO AGRICULTURAL BUILDINGS LARGER THAN 2,500 SQUARE FEET WITHIN 625' OF THE CENTER OF THE PAD.
6. THERE ARE NO PERENNIAL STREAMS, LAKES, PONDS OR RESERVOIRS WITHIN 100' OF THE PROPOSED LIMITS OF DISTURBANCE.

CERTIFICATION:

I DO HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE EROSION AND SEDIMENT CONTROL PLAN AND SITE RESTORATION PLAN AND POST CONSTRUCTION BMPS ARE TRUE AND CORRECT, REPRESENT ACTUAL FIELD CONDITIONS AND ARE IN ACCORDANCE WITH THE WEST VIRGINIA CODE AND THE DEPARTMENT'S RULES AND REGULATIONS. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

SIGNATURE: _____ DATE: 06/07/2016

Blue Mountain Inc.

Engineers and Land Surveyors

10123 Mason Dixon Hwy.
Burton, WV 26562-9656
(304) 662-6486

DAC ENERGY, LLC
PO BOX 99
ALMA, WV 26320

POSTLETHWAIT/ ROCK CAMP WELL SITE
COVER SHEET

REVISIONS

DATE	TYPE

JOSHUA DIAZ
REGISTERED
16852
STATE OF
WEST VIRGINIA
PROFESSIONAL ENGINEER

DRAWN BY	NSH
CHECKED BY	JND
DATE	06/07/2016
SCALE	AS SHOWN
JOB NO	
DRAWING NAME	POSTLEHWAIT DESIGN

SHEET NO. 1