

west virginia department of environmental protection

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

March 31, 2015

WELL WORK PERMIT Horizontal 6A Well

This permit, API Well Number: 47-9502224, issued to TRIAD HUNTER, LLC, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin

Chief

Operator's Well No: 1400

Farm Name: WELLS, VELMA L.

API Well Number: 47-9502224

Permit Type: Horizontal 6A Well

Date Issued: 03/31/2015

API Number: <u>95-02224</u>

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. <u>Failure to adhere to the specified permit conditions may result in enforcement action.</u>

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 fifty (50) 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. Operator shall provide the Office of Oil & Gas notification of the date that drilling commenced on this well. Such notice shall be provided by sending an email to DEPOOGNotify@wv.gov within 30 days of commencement of drilling.



west virginia department of environmental protection

Oil and Gas Conservation Commission 601 57th Street, SE Charleston, WV 25304 (304)926-0499, Ext 1656 Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary dep.wv.org

January 8, 2015

Department of Environmental Protection Office of Oil and Gas Charleston, WV 25304

RE: Application for Deep Well Permit - API #47-095-02224

COMPANY: Triad Hunter, LLC

FARM: Wells – Meckley #1400

COUNTY: Tyler DISTRICT: Lincoln QUAD: Paden City

The deep well review of the application for the above company is <u>APPROVED FOR UTICA/POINT</u> <u>PLEASANT</u>. If operator wishes to drill deeper than the Utica/Point Pleasant additional approval must be obtained from the OGCC.

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

- 1. Comments to Notice of Deviation filed? N/A
- Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; Yes
- Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; none
- 4. Provided a plat showing that the proposed location is a distance of <u>400+</u> feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines Executive Assistant

Cindy Kaines

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

1) Well Operator: Triad Hunte	er, LLC	494494833	Tyler	Lincoln	Paden City
·		Operator ID	County	District	Quadrangle
2) Operator's Well Number: 140	00	Well Pad	Name: Wells	Meckley	
3) Farm Name/Surface Owner:	Wells Meckley	Public Road	d Access: SR	18	
4) Elevation, current ground:	958' Ele	evation, proposed p	post-construction	on: <u>958'</u>	
5) Well Type (a) Gas	Oil	Unde	erground Storag	ge	
Other					
、 /	llow	Deep			M
	izontal				
6) Existing Pad: Yes or No Yes		. 100111		D ()	1 15
7) Proposed Target Formation(s) Utica/Point Pleasant Shale Form	• •	-			\mathcal{H}°
		,,	, . ,000 0,000		
8) Proposed Total Vertical Deptl9) Formation at Total Vertical D		in the Utica/Point P	leasant Formatio	n	
·					
10) Proposed Total Measured Do		+60			
11) Proposed Horizontal Leg Le	ngth: 6,280'				
12) Approximate Fresh Water St	trata Depths:	400 feet			
13) Method to Determine Fresh	Water Depths: _E	Examination of area	water wells.		
14) Approximate Saltwater Dept	ths:@ 1,000 fee	t			· · · · · · · · · · · · · · · · · · ·
15) Approximate Coal Seam De	pths: Multiple, thir	n, non-commercial se	eams between 1,	,300' and 1,8	00 feet
16) Approximate Depth to Possi	ble Void (coal mi	ne, karst, other):	No coal mines in	the area, No	known voids
17) Does Proposed well location directly overlying or adjacent to		ns Yes	No	V	
(a) If Yes, provide Mine Info:	Name:				RECEIVED
	Depth:			Offi	ce of Oil and Gas
	Seam:				JAN 3 0 2015
	Owner:				JWIA 9 A TO12
				W	V Department of

Environmental Protection

WW-6B (9/13)

18)

CASING AND TUBING PROGRAM

ТҮРЕ	<u>Size</u>	New or Used	<u>Grade</u>	Weight per ft. (lb/ft)	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill-up (Cu. Ft.)
Conductor	26"	new	A500	85 lb./ft.	100'	100'	177 cu. ftCTS
Fresh Water	20"	new	J-55	94 lb./ft.	450'	450'	648 cu. ftCTS
Coal	13 3/8"	new	J-55	61 lb./ft.	2,950'	2,950'	2,918 cu. ftCTS
Intermediate	9 5/8"	new	HCP-110	43.5 lb./ft.	8,700'	8,700'	2,120 cu. ft.
Production	5 1/2"	new	P-110	23 lb./ft.	N/A	17,480'	3,471 cu. ft.
Tubing	2 3/8"	new	P-110	4.7 lb./ft.	N/A	10,700'	N/A
Liners							



TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	26"	30"	.375	N/A	Class A	1.18-1.20 cu.ft./sk.
Fresh Water	20"	24"	.438	2,110 psi.	Class A	1.18-1.20 cu.ft./sk.
Coal	13 3/8"	17 1/2"	.480	3,090 psi.	Class A	1.18-1.24 cu.ft./sk.
Intermediate	9 5/8"	12 1/4"	.435	8,700 psi.	Class A	1.18-3.0 cu.ft./sk.
Production	5 1/2"	8 1/2"	.415	16,800 psi.	Class A & H	1.51-2.08 cu.ft./sk.
Tubing	2 3/8"	4 3/4"	.380	7,700 psi.	N/A	N/A
Liners						

PACKERS

Kind:	N/A			
Sizes:	N/A		RECEIVED	
Depths Set:	N/A	Offi	ce of Oil and Gas	

DEC 1, 6 2014

19) Describe proposed well work, including the drilling and plugging back of any pilo	t hole:
SEE ATTACHMENT: I-B	
20) Describe fracturing/stimulating methods in detail, including anticipated max press	sure and max rate:
SEE ATTACHMENT: II-B	
21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres):0 a	cres
22) Area to be disturbed for well pad only, less access road (acres): 0 acres	
23) Describe centralizer placement for each casing string:	
SEE ATTACHMENT: III-B	
24) Describe all cement additives associated with each cement type:	
SEE ATTACHMENT: IV-B	
OS) Developed the sub-size of distinguished proceedures.	
25) Proposed borehole conditioning procedures:	Office of Oil and Gas
SEE ATTACHMENT: V-B	
	JAN 3 0 2015
F	WV Department of Invitonmental Protection
*Note: Attach additional sheets as needed.	.,,

(WW-6B)

ATTACHEMENT: I-B

#19 Proposed Well Work:

Drill and complete a new horizontal Utica Shale Well.

- AIR/SOAP Drill a 30" conductor hole to 100 feet; run 26" casing to T.D., cement / grout to surface with Class A cement.
- AIR/SOAP Drill a 24" surface hole to depth of 450 feet; run 20" casing to T.D. and cement to surface with Class A Cement.
- AIR/SOAP Drill a 17 1/2" intermediate hole to a depth of 2,950 feet; run 13 3/8" casing to T.D. and cement to surface with Class A cement.
- 4. AIR / SOAP Drill a 12 ¼" intermediate hole to a depth of 8,700 feet; run 9 5/8" casing to T.D. and cement back to 2,500 feet with Class A cement.
- 5. Fluid Drill an 8 1/2" production hole to the projected total measured depth @ 17,480 feet.
- Run and Cement 5 ½" production casing to the TMD; cement casing back to 2,500 with Class A and Class H cement.
- 7. Run Cased-hole logs (Gamma-Ray, CCL, Bond).
- 8. Open toe sleeve and establish 15 BPM pump rate.
- 9. Perforate and stimulate multiple stages in Marcellus lateral section.
 - a. Perforations per stage = sixty to seventy
 - Average stage length = two hundred fifty feet
- 10. Clean-out 5 ½" production casing using a coil tubing rig or a work over rig and snubbing unit.
- 11. Flow test well for seven to ten days to clean up wellbore and determine overall productivity.
- 12. Turn well into production.

RECEIVED
Office of Oil and Gas

DEC 16 2014

ATTACHMENT: II-B

(WW-6B)

#20 Fracturing/Stimulation Methods:

Upon the successful cementation of the 5 $\frac{1}{2}$ " production casing, completion of the well will be performed as follows:

- 1. Run a GR/CCL/Bond log from the bottom of the curve to surface.
- 2. Pressure-up on casing, open the toe sleeve and establish pump rate of 15 bpm through the toe sleeve.
- 3. Run a GR/CCL log form the toe to the base of the curve and correlate with the GR/CCL/Bon log.
- 4. Pump down through the casing a solid bridge plug and perforating guns.
- 5. Set the solid bridge plug just above the toe sleeve and perforate the first stage with 60-70 perforations over a 200'-250' interval (stage#1).
- 6. Fracture stage #1 with a slick water/sand stimulation using approximately 8,000bbls of water and 450,000lbs of sand. Average treating pressure is expected to range between 6,000psi and 7,000psi and average treating rates are expected to range between 70bbls and 80bbls per minute. Upon completion of the stage, the five minute and ten minute shut in pressures are recorded.
- 7. Repeat the same methodology of perforating and fracturing on subsequent stages using composite frac plugs instead of solid bridge plugs. Once the heel is reached, completion operations are suspended. The average number of stages completed in each well range between twenty and thirty.
- 8. Upon completion of the last stage, solid bridge plugs are set in the casing, just above the top of the curve and just below the well head for safety purposes.

9. Well is shut in until clean out and flow back operations are initiated.

RECEIVED
Office of Oil and Gas

DEC 1, 6 2014

ATTACHMENT: III-B

(WW-6B)

#23 Centralizer Placement:

- A. (26") Conductor Casing No centralizers used.
- B. (20") Surface Casing Between two and four run based on setting depth of casing.
- C. (13 3/8") 1st Intermediate Casing- Between six and ten run based on setting depth of casing.
- D. (95/8") 2nd Intermediate Casing Between ten and twenty run based on setting depth of casing.
- E. (5 1/2") Production Casing:
 - Spiral centralizers run on every 3rd joint from the toe to KOP (Top of Curve). Roughly 50-60 spiral centralizers run.
 - Bow centralizers run on every 10th joint from the KOP to surface. Roughly 10-15 bow centralizers run.

RECEIVED Office of Oil and Gas

DEC 1 6 2014

ATTACHMENT: IV-B PAGE 1 OF 2

(WW-6B)

#24 Cement Additives:

A. Conductor Cement Job (26"csg.)

- 1. All conductor casings are cemented with standard CLASS A CEMENT.
 - a) Average weight = 15.6lb./gal
 - b) Average yield = 1.18 ft 3/5k.
 - c) No additional additives are used.

B. Surface Cement Job (20" csg.)

- Surface Cement Job (20" csg.)
 - a) Average weight = 15.4 to 15.6 lbs./gal
 - b) Average yield = $1.19 \text{ to } 1.24 \text{ ft}^3/5 \text{ k}$
- 2. Common Additives

a) 1/4 lb./5k Cello Flake

(Lost circulation material)

b) 2%-3% Calcium Chloride

(Accelerator)

*Note: Gel Sweep is usually pumped ahead of the cement.

Gel Spacer consists of 6% gel w/cello Flake.

C. Intermediate Cement Job (13 3/8" csg. & 9 5/8" csg.)

Due to depth, most intermediate casings are cemented in two stages.

- 1. The upper (lead) stage cement job usually consists of CLASS A CEMENT or LIGHT CEMENT.
 - a) Average weight = 13.1 to 13.5 lbs. /gal.
 - b) Average yield = 1.54 to 1.70 ft3/5k.

Common Additives

a) 1/4 lb./5k Cello Flake

(Lost circulation material RECEIVED

b) 1% - 2% Calcium Chloride

(Accelerator)

*Note: Gel Sweep is usually pumped ahead of the cement. Office of Oil and Gas

Gel Spacer consists of 6% gel w/cello Flake.

DEC 16 2014

- 2. The lower (tail) stage usually consists of standard CLASS A CEMENT.
 - a) Average weight = 15.4 to 15.6 lbs./gal
 - b) Average yield = 1.18 to 1.20 ft³/5k.

WV Department of **Environmental Protection**

Common Additives

a) 1/4 lb./5k Cello Flake

(Lost circulation material)

b) 1% - 2% Calcium Chloride

(Accelerator)

c) 1% bwoc

EC-1

(Bonding Agent) (Bonding Agent)

d) 55% bwoc

BA-10A

D. Longstring Cement Job (5 1/2" csg.)

Depending on how far cement is brought back into the intermediate casing, the production casing is usually cemented in two stages and a heavy weighted spacer is pumped ahead of the cement to condition the well bore.

Ultra Flush II 50 bbs. @ 13lbs. /gal 1. Weighted Spacer (Weighting Material) a) Barite @257 lbs. /bbl (Surface tension reducer) b) US-40 2 gals. /bbl

(Suractant) 13 lbs. /gal c) ss-2

Weighted Spacer

4709502224

ATTACHMENT: IV-B PAGE 2 OF 2

a) Barite @257 lbs. /bbl (Weighting Material)

b) SS-2 1 lb. /gal (Surfactant)

c) MPA-170 1 lb. /bbl (Fluid loss additive)

3. Lead Slurry 50:50 POZ/Premium NE-1

a) Average Weight = 13.50 lbs. /gal b) Average yield = 1.44 ft³/ /5k.

Common Additives

a) BA – 90 3lbs. /5k (Bonding Agent) b) R – 3 .258 bwoc (Retarder)

c) MPA – 170 1 lb. / bbl (Fluid loss additive)

4. Tail Slurry CLASS H CEMENT

a) Average Weight = 15.2lbs. /gal

b) Average Yield = 1.64 ft3/5k

Common Additives

a) R-3 .2% bwoc (Retarder) b) CD-32 .75 % bwoc (Dispersant)

c) ASA – 301 .35 % bwoc (Free water removal)
d) BA-10A 1.25% bwoc (Bonding Agent)
e) ASCA 30lbs. /5k (Solubility additive)

f) Sodium Metasilicate .58 bwoc (Extender)

RECEIVED
Office of Oil and Gas

DEC 1 6 2014

(WW-6B)

#25 Borehole Conditioning Procedures:

17 ½" hole – Generally this section of the well is drilled on air with air compressors and boosters. It's imperative through this section of the well to have sufficient air volume and pressure on the borehole during drilling to ensure hole conditions remain clean and unobstructed. If a significant volume of freshwater is encountered during drilling "stiff foam" or soap is utilized to assist in lifting drill cuttings and freshwater out of the hole. "Red Rock" is a clay-dominant strata that is sensitive to freshwater in this area. Stiff foam is applied to the borehole when freshwater is encountered to prevent the clays from swelling and sloughing into the borehole.

12 1/4" hole - Generally this section of the well is drilled on air with air compressors and boosters. It's imperative through this section of the well to have sufficient air volume and pressure on the borehole during drilling to ensure hole conditions remain clean and unobstructed. If a significant volume of saltwater is encountered during drilling "stiff foam" or soap is utilized to assist in lifting drill cuttings and freshwater out of the hole. "Red Rock" is a clay-dominant strata that is sensitive to saltwater in this area. Stiff foam is applied to the borehole when saltwater is encountered to prevent the clays from swelling and sloughing into the borehole.

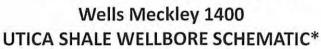
8 ¾" hole – Generally, this section of the well is drilled on fluid. In an effort to keep borehole conditions in good working order several mechanisms are used to condition the borehole:

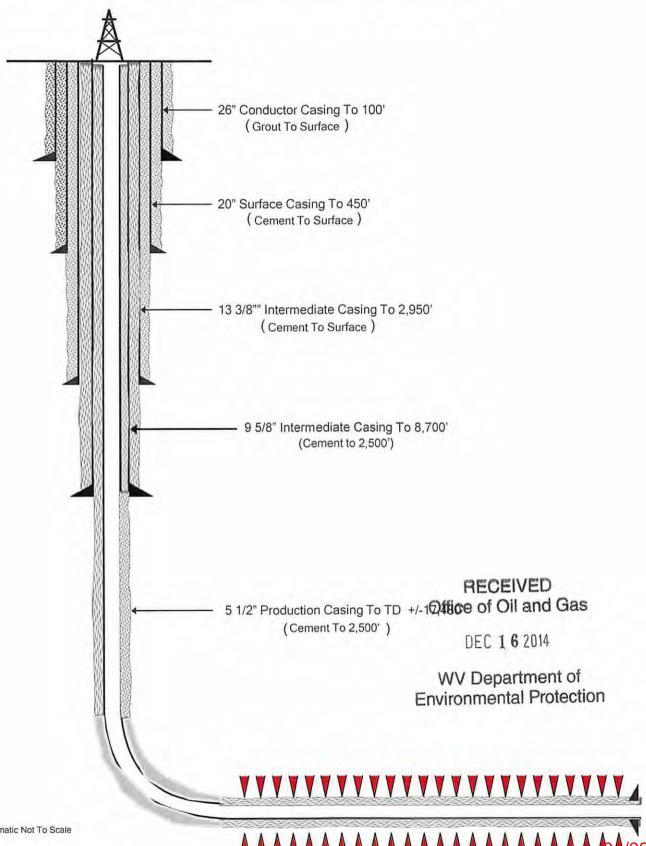
- High Viscosity Sweeps: Sweeps are mixed and pumped after drilling every 3 joints during the drilling process. Sweeps generally run 20 cp over the active mud system viscosity for 20 bbls.
- 2. Clean-Up Cycle: "Clean-Up Cycles" are utilized every 500' in the lateral section of the well. During this routine conditioning procedure drilling is halted for the amount of time it takes to circulate 2 sweeps to surface. Also, during this process the pipe is continuously rotated and reciprocated at this spot to help circulate out any "cutting beds" lying in the wellbore.
- 3. Short Trips: Short trips are utilized to work out tight spots and cutting beds from the borehole which cause increased torque and drag, and pressure. Two short trips are typically run during the drilling of this section of the wellbore. The first at the half-way point of the lateral. The drill pipe is pulled out of the hole to the "kick-off" point of the well. The second short trip is utilized at total depth (TD). At this point the drill pipe is pulled out of the wellbore to the half-way point of the lateral.
 RECEIVED
- 4. At TOTAL DEPTH: A clean-up cycle and short trip is utilized to condition the Wei by Whands Gas depth (TD) has been reached in preparation for running production casing.

 DEC 1 6 2014



Magnum Hunter Resources Wells Meckley 1400





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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name_ Triad Hunter, LLC	OP Code 4944948	833
Watershed (HUC 10) Pursley Creek	Quadrangle Paden City	
Elevation 958' Cour	inty_Tyler District_Lincoln	
Will a pit be used? Yes No	water to complete the proposed well work? Yes	✓ No □
If so, please describe anticipated pit wa	rste: ? Yes No If so, what ml.?	
Will a synthetic liner be used in the pit?	? Yes No II so, what mi.?	
Proposed Disposal Method For Treated	Pit Wastes:	
Reuse (at API Numb	upply form WW-9 for disposal location)	3995
Will closed loop system be used? If so, describe	Yes, cultings fluids+gases are separated through a series of vessels. Cultings are then solidifi-	ied in debris boxes and hauled to landfill.
Drilling medium anticipated for this well (vertical	al and horizontal)? Air, freshwater, oil based, etc. Top I	Hole-Air Drilled. Lateral-Syn Mud
-If oil based, what type? Synthetic, peti	roleum, etc.Synthetic	
	achement I-A: Drilling Additives List	
Drill cuttings disposal method? Leave in pit, lan		
	medium will be used? (cement, lime, sawdust) N/A	
-Landfill or offsite name/permit number		
		DOLLUM DEDLAM
on August 1, 2005, by the Office of Oil and Gas provisions of the permit are enforceable by law law or regulation can lead to enforcement action I certify under penalty of law that I happlication form and all attachments thereto obtaining the information. I believe that the in	the terms and conditions of the GENERAL WATER is of the West Virginia Department of Environmental Proceedings of any term or condition of the general in the personally examined and am familiar with the sand that, based on my inquiry of those individuals information is true, accurate, and complete. I am availing the possibility of fine or imprisonment.	rotection. I understand that the permit and/or other applicable information submitted on this immediately responsible for ware that there are significant // []
Company Official (Typed Name) Rocky Robert	ts	JAN 3 0 2015
Company Official Title Senior VP Appalachian	Operations	
	214	WV Department of
Subscribed and sworn before me this 16th Elizabeth R. Je My commission expires 2-29-1	day of January 1, 20 15 Notary Publi	Environmental Protection ELIZABETH B. TEBAY INC. IN 1991 For The State of Obio IN Commission Expires 2-21-11
	X	

Form WW-9 Operator's Well No. Wells Meckley 1400 Triad Hunter, LLC Proposed Revegetation Treatment: Acres Disturbed 6.6 Prevegetation pH 6-7 Lime 2-5 Tons/acre or to correct to pH 6.0-7.0 Fertilizer type Fertilizer amount 500 lbs/acre Mulch Tons/acre Seed Mixtures Temporary Permanent Seed Type Seed Type lbs/acre lbs/acre 30% Common Orchard Grass Same as temporary Perennial Rye 35% Medium Red Clover 25% Common Timothy 10% Attach: Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided) Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Received Office of Oil & Gas DEC 0 3 2014 4 Gas Inspector Date:

Field Reviewed?

TRIAD HUNTER LLC.

125 Putnam Street Marietta, Ohio 45750

SITE & SAFETY PLAN

Wells Meckley 1400 Tyler County West Virginia

An	proved	٠
	proved	

West Virginia DEP

Triad Hunter LLC

Date: 11/21/20

Date: 11/14/2014

Received Office of Oil & Gas

DEC 0 3 2014

04/03/2015

Spanned

