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west virginia department of environmental protection

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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](http://www.dep.wv.gov)

## PERMIT MODIFICATION APPROVAL

August 02, 2013

CNX GAS COMPANY LLC  
ONE ENERGY DRIVE  
JANE LEW, WV 26378

Re: Permit Modification Approval for API Number 103220 , Well #: PHL13AHS  
**ENLARGED PIT SIZE**

Oil and Gas Operator:

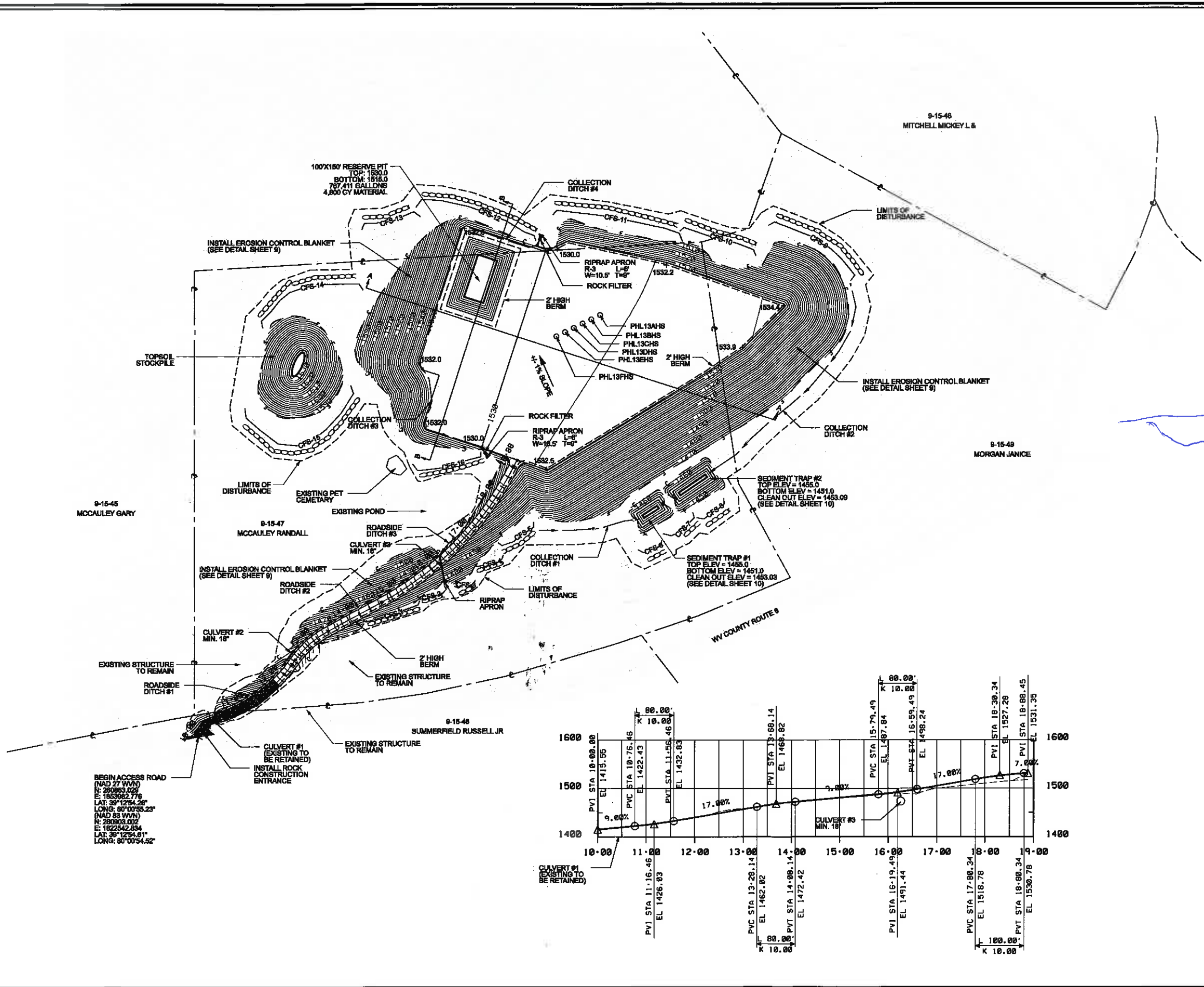
The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Gene Smith', is written over a faint, larger version of the signature.

Gene Smith  
Regulatory/Compliance Manager  
Office of Oil and Gas



PHL13AHS (NAD 27 WVN) N: 261730.03 E: 1854811.32 LAT: 39°13'02.89"N LONG: 80°00'44.77"W ELEV: 1530.84	PHL13AHS (NAD 83 WVN) N: 261770.069 E: 1853871.373 LAT: 39°13'03.23"N LONG: 80°00'44.05"W ELEV: 1530.84
PHL13BHS (NAD 27 WVN) N: 261721.91 E: 1854783.34 LAT: 39°13'02.20"N LONG: 80°00'44.98"W ELEV: 1530.45	PHL13BHS (NAD 83 WVN) N: 261761.869 E: 1853353.369 LAT: 39°13'03.15"N LONG: 80°00'44.28"W ELEV: 1530.45
PHL13CHS (NAD 27 WVN) N: 261713.14 E: 1854775.36 LAT: 39°13'02.71"N LONG: 80°00'45.22"W ELEV: 1530.36	PHL13CHS (NAD 83 WVN) N: 261753.123 E: 1853835.413 LAT: 39°13'03.06"N LONG: 80°00'44.61"W ELEV: 1530.35
PHL13DHS (NAD 27 WVN) N: 261704.33 E: 1854767.39 LAT: 39°13'02.62"N LONG: 80°00'45.45"W ELEV: 1530.48	PHL13DHS (NAD 83 WVN) N: 261744.369 E: 1853317.443 LAT: 39°13'02.87"N LONG: 80°00'44.74"W ELEV: 1530.48
PHL13EHS (NAD 27 WVN) N: 261695.62 E: 1854759.42 LAT: 39°13'02.54"N LONG: 80°00'45.88"W ELEV: 1531.03	PHL13EHS (NAD 83 WVN) N: 261736.007 E: 1853295.473 LAT: 39°13'02.89"N LONG: 80°00'44.96"W ELEV: 1531.03
PHL13FHS (NAD 27 WVN) N: 261686.85 E: 1854751.46 LAT: 39°13'02.45"N LONG: 80°00'45.90"W ELEV: 1531.88	PHL13FHS (NAD 83 WVN) N: 261728.041 E: 1853281.503 LAT: 39°13'02.80"N LONG: 80°00'45.19"W ELEV: 1531.88

**EARTHWORK SUMMARY**

PAD CUT	125,211 CY
ACCESS ROAD CUT	1,865 CY
TOTAL CUT	127,077 CY
SWELLED CUT	139,784 CY*
FILL	141,732 CY**
TOTAL TOPSOIL	10,119 CY**

\* ASSUMED 10% SWELL  
\*\* ASSUMED 12" DEPTH FOR TOPSOIL

THE PROPERTIES BY THIS DEVELOPMENT ARE LOCATED ON FIRM COMMUNITY PANEL NO. 6400100125C (DATED MAY 3, 2011). THE LIMITS OF DISTURBANCE PROPOSED WITH THIS OPERATION IS LOCATED IN ZONE X AS DEFINED BY THE F.I.R.M. AND IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE.

REFERENCE: TOPOGRAPHIC INFORMATION OBTAINED FROM BLUE MOUNTAIN ENGINEERING DATED: NAD 27 WVN RECEIVING STREAM: MITCHELL RUN LIMITS OF DISTURBANCE: 17.59 ACRES

NOTES: PROPOSED CUT AND FILL SLOPES ARE TO BE GRADED AT 2:1 UNLESS OTHERWISE NOTED.

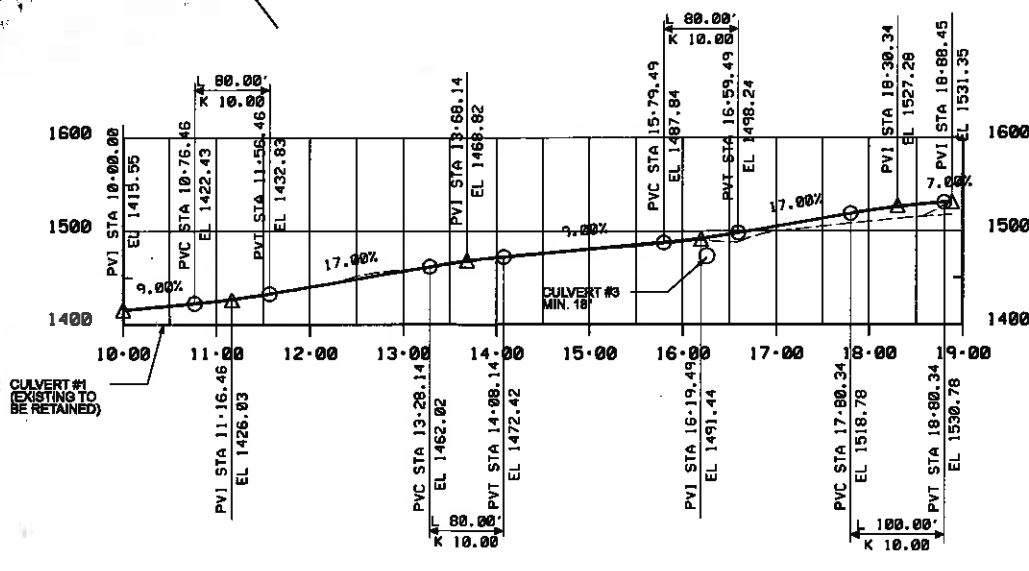
NO GEOTECHNICAL INVESTIGATIONS OR ANALYSIS WERE CONDUCTED AS A PART OF THIS DESIGN. ADJUSTMENTS TO PROPOSED CUT AND FILL SLOPES MAY BE REQUIRED BASED ON SUBSURFACE CONDITIONS AND/OR MATERIALS ENCOUNTERED.

EROSION CONTROL BLANKET IS TO BE PLACED ON SLOPES STEEPER THAN 3:1.

CLEAN OUT STAKE SHALL BE PLACED NEAR CENTER OF EACH TRAP. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES THE CLEAN OUT ELEVATION MARKED ON THE STAKE.

**LEGEND**

	TREE LINE
	PROPERTY LINE
	EXISTING FENCE
	FILL LIMITS
	CUT LIMITS
	LIMITS OF DISTURBANCE
	ROADWAY CENTERLINE
	EXISTING CONTOUR LINE
	INDEX CONTOUR LINE (10')
	INTERMEDIATE CONTOUR LINE
	CHANNEL FLOW DIRECTION
	BRUSH BARRIER
	INLET
	INFILTRATION BERM
	ELECTRIC TOWER
	UTILITY POLE
	EXISTING SPOT ELEVATION



BEGIN ACCESS ROAD  
(NAD 27 WVN)  
N: 260863.029  
E: 1853662.776  
LAT: 39°12'54.29"  
LONG: 80°00'55.23"  
(NAD 83 WVN)  
N: 260803.002  
E: 1852842.634  
LAT: 39°12'54.61"  
LONG: 80°00'54.52"

SCALE: 0 100 ft.

08/09/2013

CNX GAS COMPANY LLC.

Dieffenbach & Hritz  
Morgantown, WV

PROPOSED SITE PLAN

5