



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

PERMIT MODIFICATION APPROVAL

August 05, 2013

NOBLE ENERGY, INC.
333 TECHNOLOGY DRIVE, SUITE 110
CANONSBURG, PA 15317

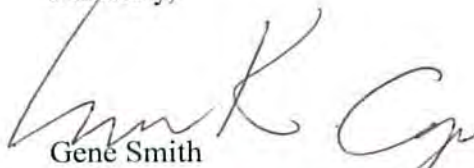
Re: Permit Modification Approval for API Number 5101602 , Well #: SHL13AHS
modified access road

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,

for 
Gene Smith
Regulatory/Compliance Manager
Office of Oil and Gas



March 21, 2013

West Virginia Department of Environmental Protection

601 57th Street, SE

Charleston, WV 25304-2345

Re: SHL 13 AHS API# 47-5101602 Modification to Site Design

Dear Laura:

Enclosed please find a permit modification to the access road and pad. This change has been approved by the state inspector, and the surface owner of the pad and the surface owner of the access road. This well is located in Marshall County, WV.

Should you have any questions, or desire any additional information, please do not hesitate to contact me at 724-820-3061 or via email at dswiger@nobleenergyinc.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dee Swiger', written over the printed name.

Dee Swiger

Regulatory Analyst

DS/

Enclosures:

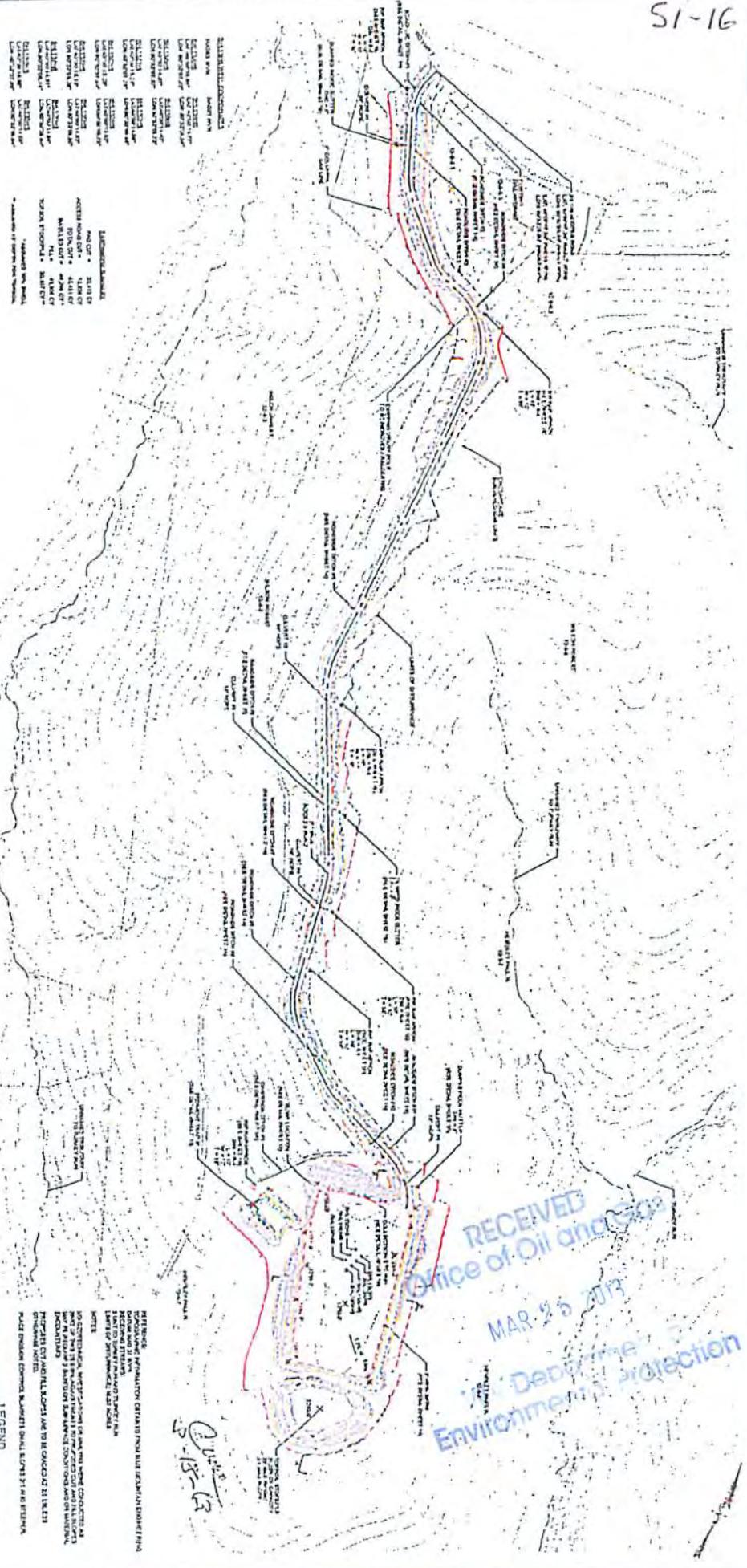
RECEIVED
Office of Oil and Gas

MAR 25 2013

West Virginia Department of
Environmental Protection

08/09/2013

Exhibit A



RECEIVED
Office of Oil and Gas
MAR 25 2013
Department of
Environmental Protection

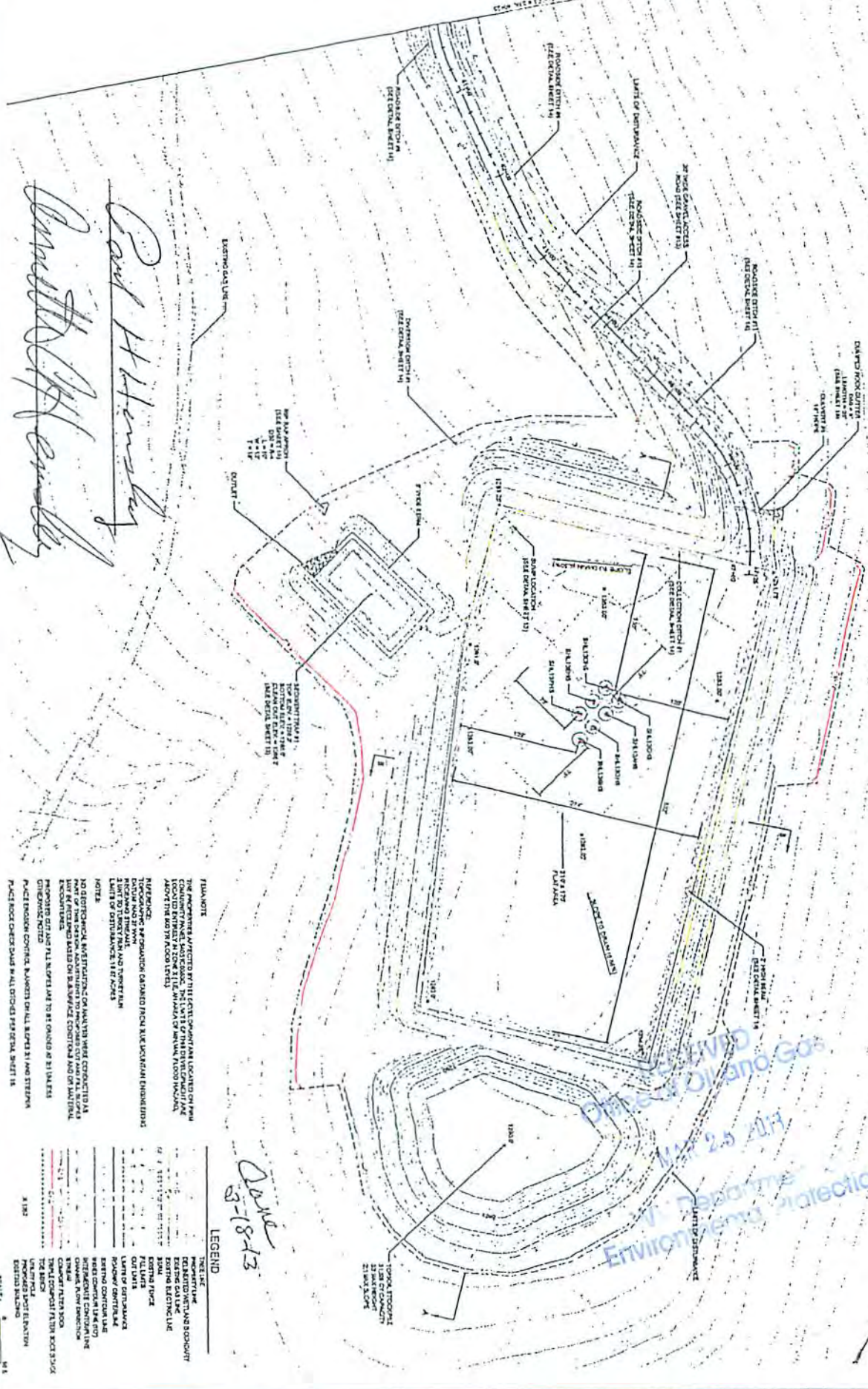
- SYMBOLS AND ABBREVIATIONS**
- WELL HEAD
 - WELL PATH
 - WELL BOREHOLE
 - WELL PAD
 - WELL PAD FENCE
 - WELL PAD LIGHTING
 - WELL PAD SIGNAGE
 - WELL PAD ACCESS ROAD
 - WELL PAD DRIVEWAY
 - WELL PAD ELECTRICAL
 - WELL PAD WATER
 - WELL PAD GAS
 - WELL PAD OIL
 - WELL PAD CONDENSATE
 - WELL PAD PRODUCTION
 - WELL PAD STORAGE
 - WELL PAD TREATMENT
 - WELL PAD DISPOSAL
 - WELL PAD REINJECTION
 - WELL PAD STORAGE
 - WELL PAD TREATMENT
 - WELL PAD DISPOSAL
 - WELL PAD REINJECTION

Paul H. Hensley
Smith & Venable

- LEGEND**
- PROPERTY LINE
 - BOUNDARY
 - SECTION
 - TOWNSHIP
 - RANGE
 - WELL PAD
 - WELL PAD FENCE
 - WELL PAD LIGHTING
 - WELL PAD SIGNAGE
 - WELL PAD ACCESS ROAD
 - WELL PAD DRIVEWAY
 - WELL PAD ELECTRICAL
 - WELL PAD WATER
 - WELL PAD GAS
 - WELL PAD OIL
 - WELL PAD CONDENSATE
 - WELL PAD PRODUCTION
 - WELL PAD STORAGE
 - WELL PAD TREATMENT
 - WELL PAD DISPOSAL
 - WELL PAD REINJECTION

Exhibit A-1

Carl Henderson
Ernst & Young



REVISIONS

NO.	DATE	DESCRIPTION
1	11/18/13	ISSUED FOR PERMITTING

REVISIONS

NO OTHER WORKS OR DISTURBANCES SHALL BE PERMITTED WITHIN THE LIMIT OF DISTURBANCE UNLESS THEY ARE APPROVED BY THE ENGINEER OF RECORD.

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LEGEND

SYMBOL	DESCRIPTION
(Line style)	EXISTING DRAINAGE
(Line style)	PROPOSED DRAINAGE
(Line style)	EXISTING ROAD
(Line style)	PROPOSED ROAD
(Line style)	EXISTING FENCE
(Line style)	PROPOSED FENCE
(Line style)	EXISTING CONCRETE
(Line style)	PROPOSED CONCRETE
(Line style)	EXISTING CURB
(Line style)	PROPOSED CURB
(Line style)	EXISTING SIDEWALK
(Line style)	PROPOSED SIDEWALK
(Line style)	EXISTING DRIVEWAY
(Line style)	PROPOSED DRIVEWAY
(Line style)	EXISTING UTILITY
(Line style)	PROPOSED UTILITY
(Line style)	EXISTING EROSION CONTROL
(Line style)	PROPOSED EROSION CONTROL
(Line style)	EXISTING VEGETATION
(Line style)	PROPOSED VEGETATION
(Line style)	EXISTING TREE
(Line style)	PROPOSED TREE
(Line style)	EXISTING ROCK
(Line style)	PROPOSED ROCK
(Line style)	EXISTING SAND
(Line style)	PROPOSED SAND
(Line style)	EXISTING GRAVEL
(Line style)	PROPOSED GRAVEL
(Line style)	EXISTING ASPHALT
(Line style)	PROPOSED ASPHALT
(Line style)	EXISTING CONCRETE
(Line style)	PROPOSED CONCRETE
(Line style)	EXISTING BRICK
(Line style)	PROPOSED BRICK
(Line style)	EXISTING STONE
(Line style)	PROPOSED STONE
(Line style)	EXISTING METAL
(Line style)	PROPOSED METAL
(Line style)	EXISTING GLASS
(Line style)	PROPOSED GLASS
(Line style)	EXISTING CERAMIC
(Line style)	PROPOSED CERAMIC
(Line style)	EXISTING PLASTER
(Line style)	PROPOSED PLASTER
(Line style)	EXISTING PAINT
(Line style)	PROPOSED PAINT
(Line style)	EXISTING ADHESIVE
(Line style)	PROPOSED ADHESIVE
(Line style)	EXISTING SEALANT
(Line style)	PROPOSED SEALANT
(Line style)	EXISTING FINISH
(Line style)	PROPOSED FINISH

SCALE: 1" = 10'

Oil and Gas
Environmental Protection