

#### 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

July 29, 2014

MURVIN & MEIER OIL CO. POST OFFICE BOX 396 OLNEY, IL 62450

Re: Permit Modification Approval for API Number 8510128 , Well #: K/S CUNNINGHAM #1 8 5/8" CASING CHANGED TO GRADE J-55, WEIGHT 24 LB/FT AND 2030' LENGTH

## 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,

Gene Smith

Assistant Chief of Permitting

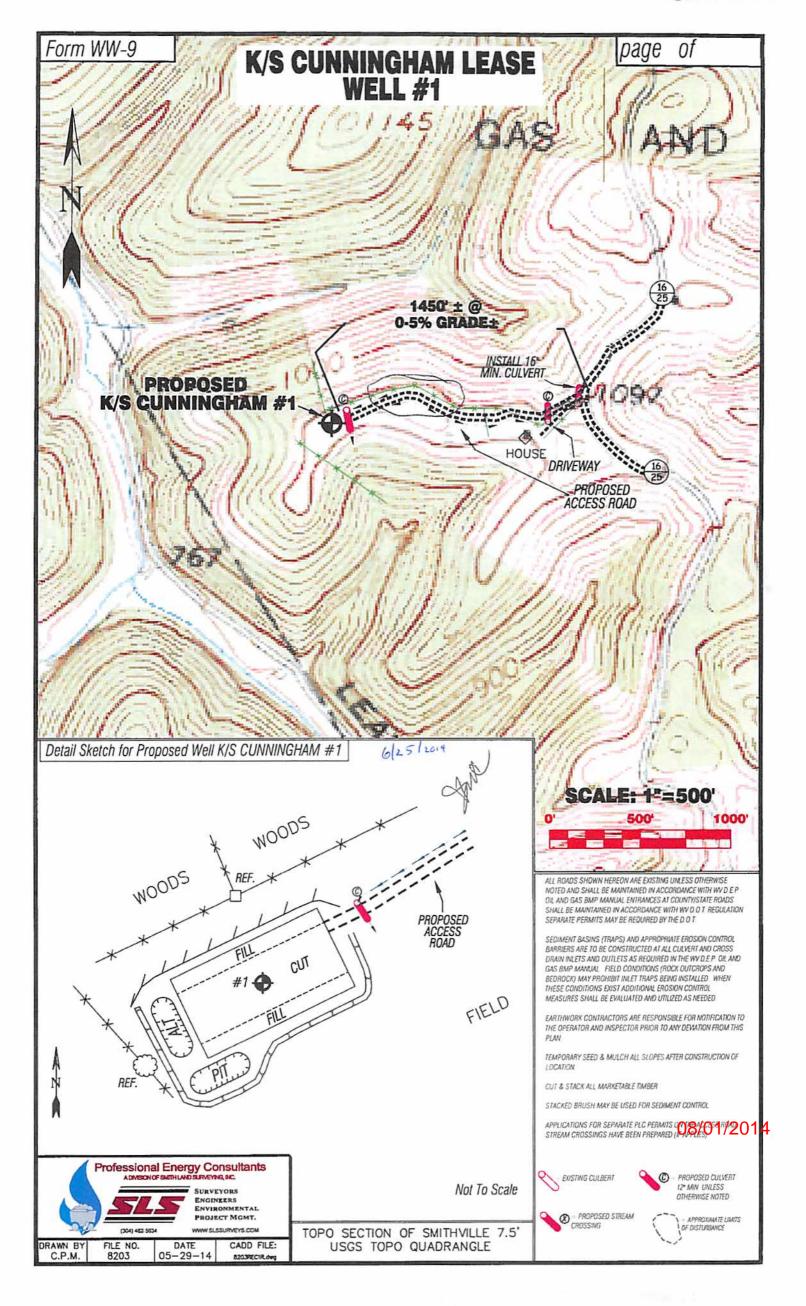
Office of Oil and Gas

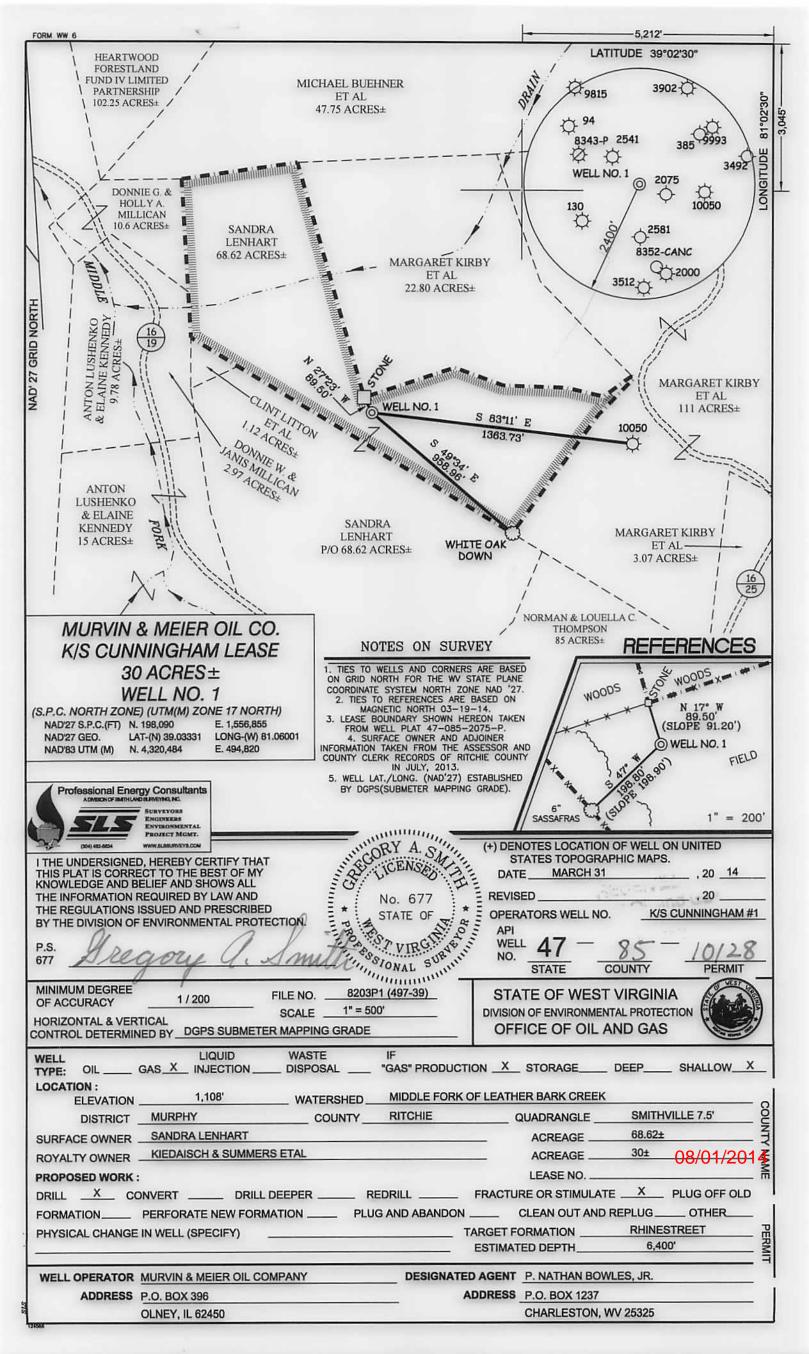
JUL-14-2014 12:29 From: 3044773235

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8510128

WW - 2B. (Rev. 8/10)  STATE OF WEST VIRGINIA  DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  WELL WORK PERMIT APPLICATION  3 6/2							
1) Well Operator Murun & Meier Di / Co 307980 Riche Murchy Sathelle 75  Operator ID County District / Quadrangle							
2) Operator's Well Number. K/S Cunnagham 1 3) Elevation: 1108							
4) Well Type: (a) Oil x or Gas x							
(b) If Gas: Production x / Underground Storage							
Deep/ Shallow							
5) Proposed Target Formation(s): Warren This Rhinestreet Proposed Target Depth: 6 Proposed Total Depth: 6 Proposed Total Depth: 5 Pent Formation at Proposed Total Depth: 5 Pent 7) Approximate fresh water strata depths: 70 (Permit 18050)  8) Approximate salt water depths: 2000 (Pecant 18050)							
9) Approximate coal seam depths:							
10) Approximate void depths,(coal, Karst, other):							
11) Does land contain coal seams tributary to active mine?							
12) Describe proposed well work in detail Dr. II and Complete New West							
13) <u>CASING AND TUBING PROGRAM</u> TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT							
	Size	Grade	Weight per ft	For Drilling	Left in Well	Fill -up (Cu. Ft.)	7
Oneduates		DIEGO		20'	20'		1
Conductor Fresh Water	16"	A-500	32 32	300'	300'	CTS	1
Coal	11 / 4	<u> </u>	_3&	300			1
Intermediate	85/6	J-55	24	2030	2030'	CTS 2	
Production		WT-65		6350	6350	CTS GOOGIVE	<u> </u>
Tubing						Aer	
Liners						1 4 1	
Packers: Kind:							
Sizes:							
Packers: Kind: Sizes: Depths Set							
						Dank	





## Nottingham, Justin E

From:

Kate M. Blackford <katieb@murvinandmeier.com>

Sent:

Monday, July 14, 2014 3:10 PM

To:

Nottingham, Justin E

**Subject:** 

FW: Vertical Drilling Well Work Permit (API: 47-085-10128)

**Attachments:** 

Scanned from a Xerox multifunction device.pdf

Sorry ... here is the attachment!

From: Kate M. Blackford [mailto:katieb@murvinandmeier.com]

Sent: Monday, July 14, 2014 2:09 PM

To: 'Nottingham, Justin E'

**Subject:** RE: Vertical Drilling Well Work Permit (API: 47-085-10128)

Hi Justin,

Attached is a revised Form WW-2B for the K/S Cunningham #1, which has been signed off on by the State Inspector, Dave Cowan. The guys originally listed the specifications and the footage incorrectly on the 8 5/8-inch.

Do I need to do anything else to have this corrected?

Just let me know ...

S. .

thanks,

Kate

FIOL.

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From: Nottingham, Justin E [mailto:Justin.E.Nottingham@wv.gov]

Sent: Wednesday, July 02, 2014 12:37 PM

To: Kate Blackford (katieb@murvinandmeier.com)

Subject: Vertical Drilling Well Work Permit (API: 47-085-10128)

I have attached a copy of the newly issued permit to drill vertical well number "K/S CUNNINGHAM #1" (API 47-085-10128). This will serve as your copy. If you have any questions, then please contact us here at the Office of Oil and Gas.

Thanks,

**Justin Nottingham** 

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# Justin E. Pottingham

West Virginia Department of Environmental Protection
Office of Oil and Gas
Environmental Technician