



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 15, 2014

CNX GAS COMPANY LLC
POST OFFICE BOX 1248
JANE LEW, WV 26378

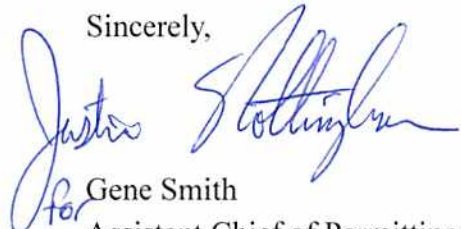
Re: Permit Modification Approval for API Number 3305818 , Well #: KST5EHS

Relocate Tophole

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
Assistant Chief of Permitting
Office of Oil and Gas



Carolinda Flanagan
P.O. Box 1248
Jane Lew, WV 26378
(304) 884-2057



August 8, 2014

West Virginia Department of Environmental Protection
Office of Oil & Gas
Attn: Laura Cooper
601 57th Street, SE
Charleston, WV 25304-2345

RE: Well #'s KST5BHS and KST5EHS Plats

Dear Ms. Cooper,

Enclosed, please find updated Mylar's for the KST5BHS and KST5EHS. The KST5 permits were approved on July 25, 2014. Upon review, we realized these two laterals were transposed, there are no other changes or differences.

Feel free to contact me should further information or correspondence be required at 304-884-2057 or at carolindaflanagan@consolenergy.com. Thank you!

Sincerely,


Carolinda Flanagan

RECEIVED
Office of Oil and Gas
AUG 11 2014

WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas

AUG 11 2014

WV Department of
Environmental Protection

08/15/2014

Nottingham, Justin E

From: Wright, AMANDA <AmandaWright@consolenergy.com>
Sent: Monday, August 11, 2014 3:38 PM
To: Nottingham, Justin E
Cc: Flanagan, Carolinda; Eddy, Kelly
Subject: KST5BHS & KST5EHS MODS
Attachments: mod 3305815 & 3305818.pdf

Justin,

Please modify these permits to incorporate these updated mylars.

I would like to make note that the lease information has not been altered since the issuance of the permits on 7/25/14.

Please let me know if you should need any additional information from us.

Have a great afternoon!

Amanda Wright



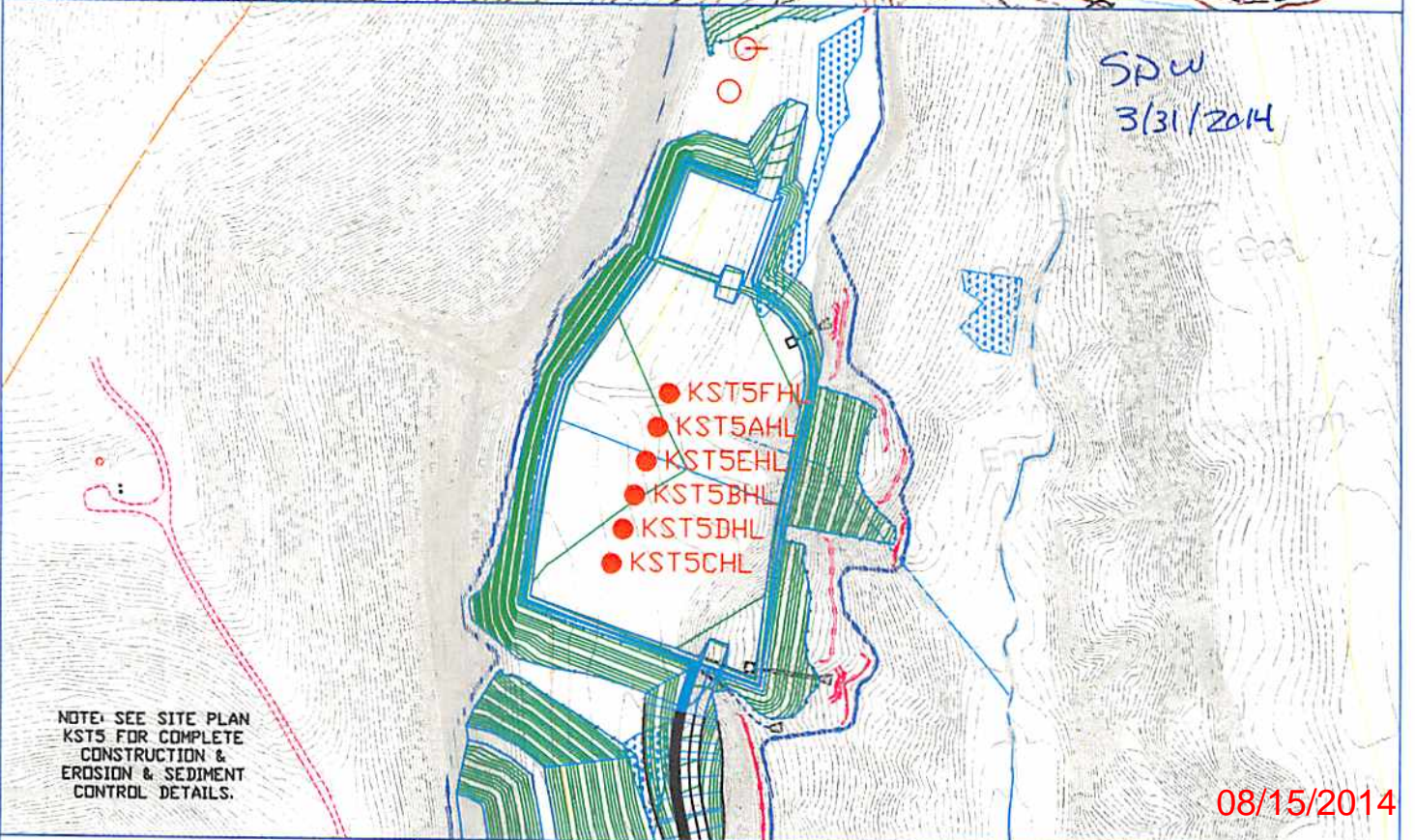
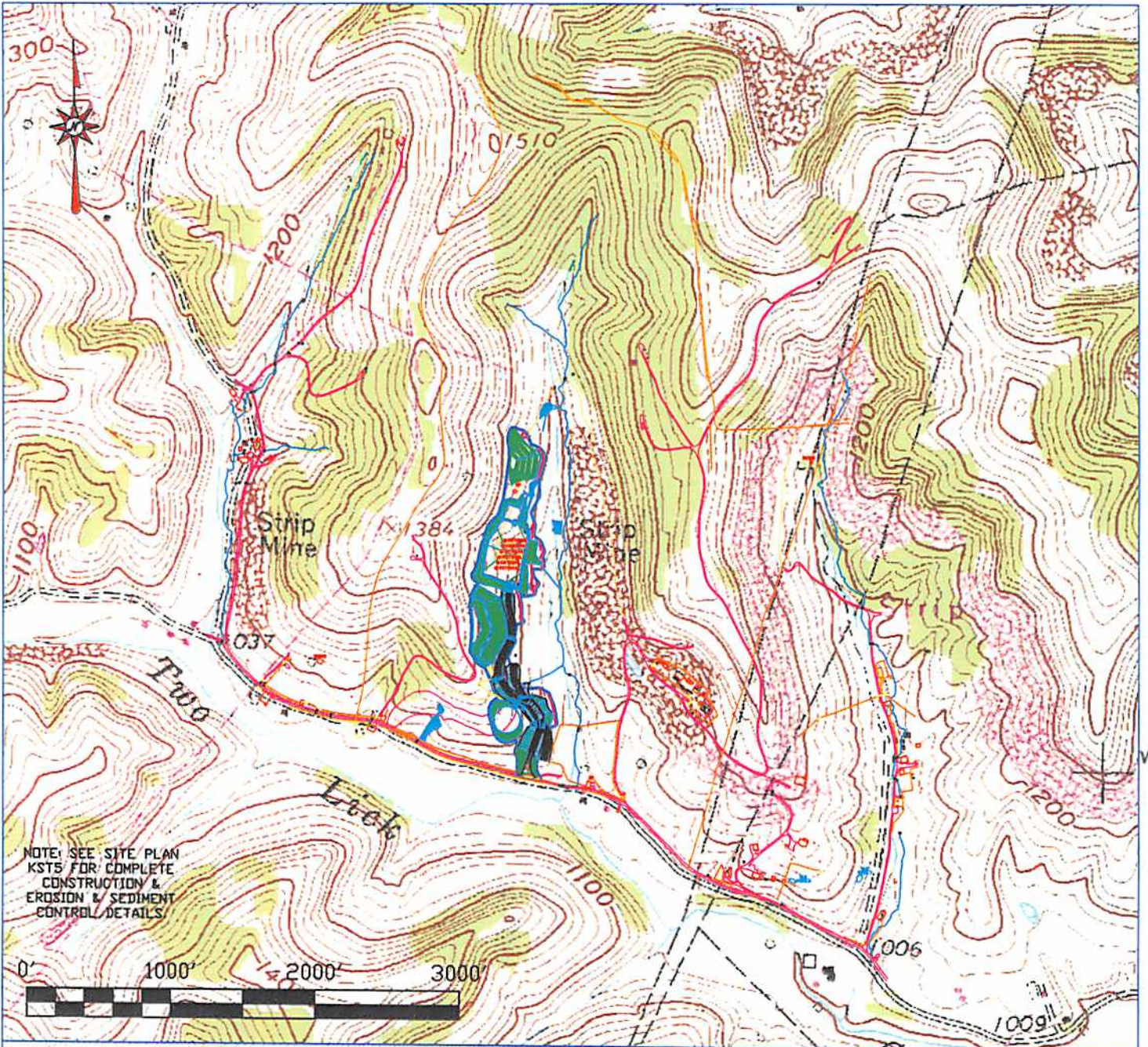
Manager, Gas Permitting Southern Region
P.O. Box 1248
Jane Lew, WV 26378
304-884-2009 (phone)
304-844-8890 (mobile)
304-884-2245 (fax)

Fig.



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33-05818



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

PREPARED FOR:
 CNX GAS COMPANY LLC
 P.O. BOX 1248
 JANE LEW, WV 26378

KST5 WELL
 TOPO SECTION OF WEST MILFORD 7.5'
 USGS TOPO QUADRANGLE

FORM WW9

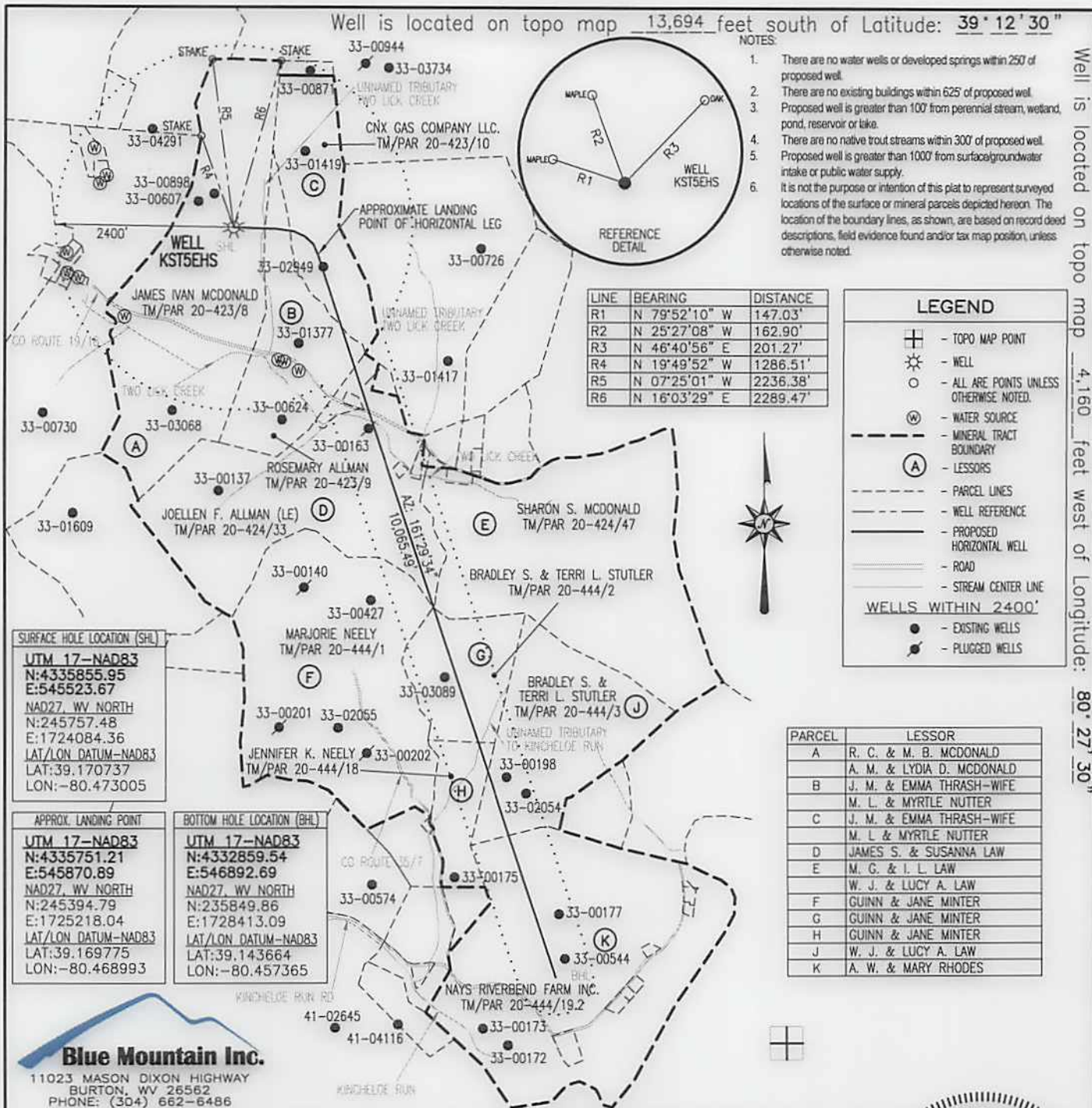
MARCH 11, 2014

Well is located on topo map 13,694 feet south of Latitude: 39° 12' 30"

NOTES:

1. There are no water wells or developed springs within 250' of proposed well.
2. There are no existing buildings within 625' of proposed well.
3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well.
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
6. 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.

Well is located on topo map 4,160 feet west of Longitude: 80° 27' 30"



LINE	BEARING	DISTANCE
R1	N 79°52'10" W	147.03'
R2	N 25°27'08" W	162.90'
R3	N 46°40'56" E	201.27'
R4	N 19°49'52" W	1286.51'
R5	N 07°25'01" W	2236.38'
R6	N 16°03'29" E	2289.47'

LEGEND	
	- TOPO MAP POINT
	- WELL
	- ALL ARE POINTS UNLESS OTHERWISE NOTED.
	- MINERAL TRACT BOUNDARY
	- LESSORS
	- PARCEL LINES
	- WELL REFERENCE
	- PROPOSED HORIZONTAL WELL
	- ROAD
	- STREAM CENTER LINE
WELLS WITHIN 2400'	
	- EXISTING WELLS
	- PLUGGED WELLS

SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83
 N:4335855.95
 E:545523.67
 NAD27, WV NORTH
 N:245757.48
 E:1724084.36
 LAT/LON DATUM-NAD83
 LAT:39.170737
 LON:-80.473005

APPROX. LANDING POINT
 UTM 17-NAD83
 N:4335751.21
 E:545870.89
 NAD27, WV NORTH
 N:245394.79
 E:1725218.04
 LAT/LON DATUM-NAD83
 LAT:39.169775
 LON:-80.468993

BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83
 N:4332859.54
 E:546892.69
 NAD27, WV NORTH
 N:235849.86
 E:1728413.09
 LAT/LON DATUM-NAD83
 LAT:39.143664
 LON:-80.457365

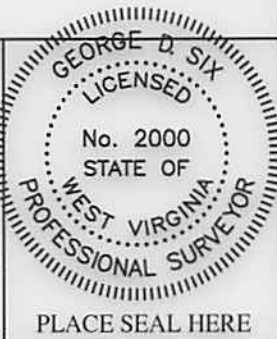
PARCEL	LESSOR
A	R. C. & M. B. MCDONALD
B	A. M. & LYDIA D. MCDONALD
C	J. M. & EMMA THRASH-WIFE
D	M. L. & MYRTLE NUTTER
E	J. M. & EMMA THRASH-WIFE
F	M. L. & MYRTLE NUTTER
G	JAMES S. & SUSANNA LAW
H	M. C. & I. L. LAW
I	W. J. & LUCY A. LAW
J	GUINN & JANE MINTER
K	GUINN & JANE MINTER
L	H W. J. & LUCY A. LAW
M	A. W. & MARY RHODES

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

FILE #: KST5EHS REV. 6
 DRAWING #: KST5EHS REV. 6
 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



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



DATE: AUGUST 1, 2014
 OPERATOR'S WELL #: KST5EHS
 API WELL #: 47 33 05818
 STATE COUNTY PERMIT

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

WATERSHED: MIDDLE WEST FORK CREEK ELEVATION: 1155.16±
 COUNTY/DISTRICT: HARRISON / UNION QUADRANGLE: WEST MILFORD, WV 7.5'
 SURFACE OWNER: JAMES IVAN MCDONALD ACREAGE: 176.000±
 OIL & GAS ROYALTY OWNER: R. C. MCDONALD & M. B. MCDONALD; A. M. MCDONALD & LYDIA D. MCDONALD ACREAGE: 1033.51±

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON
 CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): _____

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 7,170± TMD: 18,095±
 WELL OPERATOR CNX GAS COMPANY LLC DESIGNATED AGENT MATTHEW IMRICH
 Address P.O. BOX 1248 Address P.O. BOX 1248
 City JANE LEW State WV Zip Code 26378 City JANE LEW State WV Zip Code 26378

08/15/2014

H6A MOD