



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

April 16, 2015

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

Re: Permit Modification Approval for API Number 1706577 , Well #: OXFD13DHS
Extend Lateral

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

4701706577 MOD



Kelly Eddy
Permitting Supervisor
P.O. Box 1248
Jane Lew, WV 26378
(304) 884-2131
 CNIGAS

April 9, 2015

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

RE: OXFD13CHS - API# 47-017-06576
OXFD13DHS - API# 47-017-06577
OXFD13EHS - API# 47-017-06578

Dear Laura,

Enclosed, please find modifications for the OXFD13CHS – OXFD13EHS to extend the laterals due to additional leasing being obtained. I have attached updated casing plans, mylar plats, lease breakdowns, and road letters.

We are extending the length of each lateral as follows:

OXFD13CHS/API# 47-017-06576: Extending 1,194.92' more
OXFD13DHS/API# 47-017-06577: Extending 3,624.55' more
OXFD13EHS/API# 47-017-06578: Extending 3,168.22' more

Should you need any further information, please contact me at (304) 884-2131 or by email at KellyEddy@consolenergy.com. Thank you!

Sincerely,

Kelly Eddy
Kelly Eddy

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WV Department of
Environmental Protection

04/17/2015

WW-6B
(9/13)

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

1) Well Operator: CNX Gas Company LLC 494458046 Doddridge Southwest New Milton
Operator ID County District Quadrangle

2) Operator's Well Number: OXFD13DHS Well Pad Name: OXFD13HS

3) Farm Name/Surface Owner: I.L. Morris Public Road Access: Co. Rt. 40

4) Elevation, current ground: 1178' Elevation, proposed post-construction: 1152'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No NO

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):

Target - Marcellus, Depth - 6950', Thickness - 60', Pressure - 2500#

8) Proposed Total Vertical Depth: 7050'

9) Formation at Total Vertical Depth: Onondaga

10) Proposed Total Measured Depth: 14162.12'

11) Proposed Horizontal Leg Length: 5709.51'

12) Approximate Fresh Water Strata Depths: 50', 600'

13) Method to Determine Fresh Water Depths: Offset Well

14) Approximate Saltwater Depths: 1250', 1955'

15) Approximate Coal Seam Depths: 600'

16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine?

Yes

No

(a) If Yes, provide Mine Info: Name: _____

Depth: _____

Seam: _____

Owner: _____

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Environmental Protection

WW-6B
(9/13)

18)

CASING AND TUBING PROGRAM

TYPE	Size	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill-up (Cu. Ft.)
Conductor	20"	N	L.S.	81.3#	100'	100'	Grout to surface w/ Class A type cement
Fresh Water	13 3/8"	N	J-55	54.5#	1050'	1050'	CTS w/ Class A Type Cement
Coal							
Intermediate	9 5/8"	N	J-55	36#	2700'	2700'	CTS w/ Class A Type Cement
Production	5 1/2"	N	P-110	20#	14162.12	14162.12'	2200 cu. ft. w/ 50/50 POZ Lead & Class A
Tubing	2 3/8"	N	J-55	4.7#	7450'	7450'	
Liners							

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	26"	0.438	2110	Class A Type	1.18
Fresh Water	13 3/8"	17 1/2"	0.380	2730	Class A Type	1.39
Coal						
Intermediate	9 5/8"	12 3/8"	0.352	3520	Class A Type	1.18
Production	5 1/2"	8 3/4" & 8 1/2"	0.361	14360	Class A Type	1.26
Tubing	2 3/8"	5 1/2" Csg	0.190	7700
Liners						

PACKERS

Kind:	None			
Sizes:	None			
Depths Set:	None			

WW-6B
(9/13)

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and stimulate new horizontal Marcellus well. Well to be drilled to a TMD of 14162.12'. Well to be drilled to a TVD of 6830', formation at TVD - Onondaga Group. The well bore will not be drilled any deeper than 100' into the Onondaga Group, nor will there be any perforation, stimulation, or production of any formations below the target formation. Well will be plugged back to an approximate depth of 6000' (approximate due to exact kick off point being unknown). Plugging back will be done using the displacement method and Class A Type cement. A solid cement plug will be set from TD to KOP. If an unexpected void is encountered, plan will be to set casing at a minimum of 30' past void and cement to surface with approved Class A type cement.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

The stimulation will be multiple stages divided over the lateral length of the well. Stage spacing is dependent upon engineering design. Slickwater fracturing technique will be utilized on each stage using sand, water, and chemicals. Max Pressure - 9500 psi. Max Rate - 100 bbl/min.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 16.4 Acres

22) Area to be disturbed for well pad only, less access road (acres): 10.6 Acres

23) Describe centralizer placement for each casing string:

Conductor - No centralizers used. Fresh Water & Coal - Bow spring centralizers on first joint then every fourth joint to 100 feet from surface. Intermediate - Bow spring centralizers one on the first two joints and every fourth joint until inside surface casing. Production - Rigid bow spring centralizer on first joint then every 2 casing joints (free floating) through the lateral and the curve. (Note: cementing the 5 1/2" casing completely in open hole lateral and curve.)

24) Describe all cement additives associated with each cement type:

Conductor - 2% CaCl₂. Fresh Water/Coal - 2% CaCl₂. Intermediate - 2% CaCl₂. Production - 2.6% Cement extender, 0.7% Fluid loss additive, 0.5% High Temperature Retarder, 0.2% Friction Reducer

25) Proposed borehole conditioning procedures:

Conductor - The hole is drilled w/ air and casing ran in air. Apart from insuring the hole is clean via air circulation at TD, there are no other conditioning procedures. Fresh Water/Coal - The hole is drilled w/ air and casing is ran in air. Once casing is on bottom, the casing shoe will be cleared with fresh water and gel prior to cementing. Intermediate - The hole is drilled w/ air and casing is ran in air. Once casing is on bottom, the casing shoe will be cleared with fresh water and gel prior to cementing. (Note: Drilling soap may be utilized if the hole gets wet/damp during the drilling of all air holes with the exception of the conductor). Production - The hole will be drilled with synthetic oil base mud and once at TD the hole is circulated at a drilling pump rate until the hole is clean. Once casing is ran the hole is circulated for a minimum of one hole volume prior to pumping cement.

*Note: Attach additional sheets as needed.

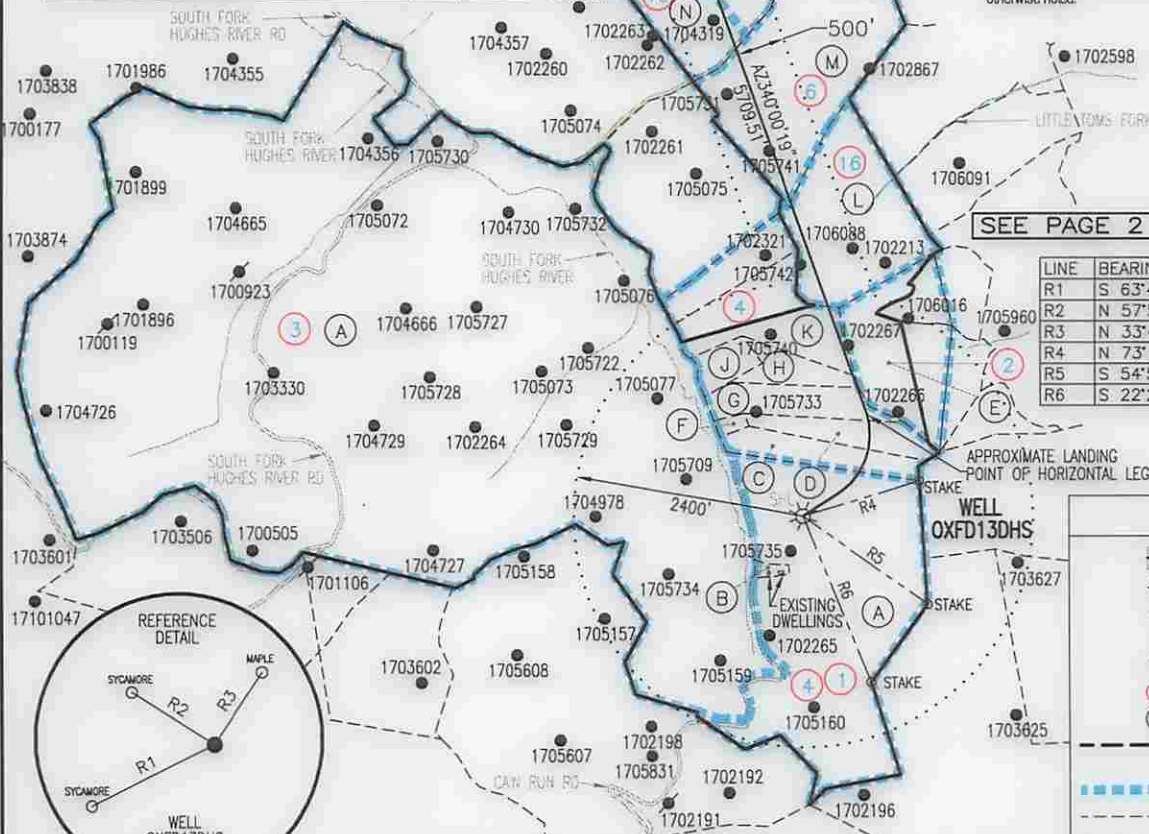
Well is located on topo map 14,403 feet south of Latitude: 39° 12' 30"

Well is located on topo map 11,129 feet west of Longitude: 80° 42' 30"

	SURFACE OWNER	DIST-TM/PAR
A	I. L. (IKE) MORRIS	7-10/2
B	JERRY L. & SHARON LEGGETT (SURV)	7-15/3.1
C	BUNTING TYLER GARRETT C/O LENORA BUNTING	7-15/1
D	LINNEY MCKINNEY	7-15/1.6
E	CHARLES ALAN SCHNEIDER	6-18/1.6
F	JEFFREY LYNN & LINNEY ELAINE MCKINNEY (SURV)	7-15/1.1
G	MARIE E. HYDE & RICHARD E. BAKER (SURV)	7-15/1.5
H	KEVIN L. & TERESA A. MULLEN (SURV)	7-15/1.3
J	KEVIN L. & TERESA A. MULLEN (SURV)	7-15/1.2
K	ROBERT K. SWIGER	7-15/1.4
L	DEBRA KAY HUDAK	6-14/17
M	DEBRA KAY HUDAK	7-11/6
N	KEY OIL COMPANY	7-11/1

NOTES:

- There are no water wells or developed springs within 250' of proposed well.
- The center of pad is less than 625' from a dwelling.
- Proposed well pad is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
- There are no native trout streams within 300' of proposed well.
- Proposed well is greater than 1000' from surface/groundwater intake or public water supply.
- 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.



SEE PAGE 2 FOR LESSORS

LINE	BEARING	DISTANCE
R1	S 63°46'52" W	143.36'
R2	N 57°51'10" W	101.84'
R3	N 33°44'11" E	90.23'
R4	N 73°15'19" E	1265.69'
R5	S 54°56'10" E	1589.16'
R6	S 22°20'13" E	1856.01'

LEGEND	
	- TOPO MAP POINT
	- WELL
	- ALL ARE POINTS UNLESS OTHERWISE NOTED.
	- WATER SOURCE
	- LESSORS
	- SURFACE OWNERS
	- MINERAL TRACT BOUNDARY
	- LEASE BOUNDARY
	- PARCEL LINES
	- WELL REFERENCE
	- PROPOSED HORIZONTAL WELL
	- ROAD
	- STREAM CENTER LINE
GAS WELLS	
	- EXISTING WELLS
	- PLUGGED WELLS

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4335537.92 E:521804.91 NAD27, WV NORTH N:246012.100 E:1646233.400 LAT/LON DATUM-NAD83 LAT:39.168789 LON:-80.747586	UTM 17-NAD83 N:4335861.03 E:522003.84 NAD27, WV NORTH N:247061.500 E:1646903.900 LAT/LON DATUM-NAD83 LAT:39.171697 LON:-80.745272	UTM 17-NAD83 N:4337485.63 E:521381.81 NAD27, WV NORTH N:252426.862 E:1644951.633 LAT/LON DATUM-NAD83 LAT:39.186350 LON:-80.752422

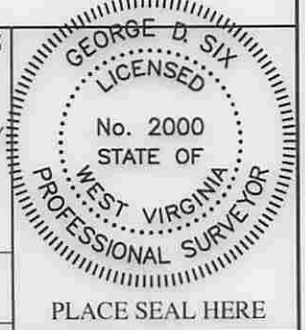
Blue Mountain Inc.
10125 MASON DIXON HIGHWAY
BURTON, WV 26562
PHONE: (304) 662-6486

FILE #: OXFD13DHS
DRAWING #: OXFD13DHS
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:

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: APRIL 2, 2015
OPERATOR'S WELL #: OXFD13DHS
API WELL #: 47 17 06577 MOA
STATE COUNTY PERMIT

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

WATERSHED: SOUTH FORK HUGHES RIVER ELEVATION: 1,152.4'±

COUNTY/DISTRICT: DODDRIDGE / SOUTHWEST QUADRANGLE: NEW MILTON, WV 7.5'

SURFACE OWNER: I. L. (IKE) MORRIS ACREAGE: 6603.75±

OIL & GAS ROYALTY OWNER: S.W. STOUT ET AL ACREAGE: 1078.385±

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: 7,050'± TMD: 14,162.12±

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

04/17/2015

OXFD13DHS

PAGE 2 OF 2

PARCEL	LESSOR
1,4,3 &16	S.W. STOUT, ET AL
2	CLARENCE E. SIGLEY, TRUSTEE
6	J.P. MORGAN CHASE BANK, N.A, TRUSTEE OF S.A. SMITH & C. BURKE MORRIS, TRUST
	J.P. MORGAN CHASE BANK, N.A, TRUSTEE OF THE WILL E. MORRIS, TRUST
	DORIS J. FLINT
	STEVEN GERARD HORAK
	BETTY BOOTH RADER
	RICHARD E. RADER
	WAYNE E. RADER ET UX
	PAMELA K. CORNELL
	DOUGLAS SMITH, INDIVIDUALLY & AS CO-EXECUTOR OF THE ESTATE OF FREDA WYLENE SMITH, DECEASED, & PATRICIA SMITH, HIS WIFE
	DOUGLAS SMITH, INDIVIDUALLY & AS CO-EXECUTOR OF THE ESTATE OF FREDA WYLENE SMITH, DECEASED & JO BETH SMITH, HIS WIFE
	PAUL MANLEY
	DENISE HOWARD, ET VIR
	WILLIAM GREENLEAF, ET UX
	ED HUDAK
	PAULINE SUMMERS
	GENEVIEVE SUMMERS
	MARY LOU GEISLER, AIF FOR KATHLEEN SUMMERS
	HUBERT C. GAINER
	M.L. HARDING
	PEGGY YOUNG BATTEN
	CLARENCE F. GAINER
	JACQUELINE GAINER
	HERBERT A. DARNELL
	WILLIAM GAINER
	ROBERT GAINER
	LUCILLE BOLTE
	STEVE BOLTE
	KATHRYN SUMMERS
	CECIL ROBINSON
10,11& 12	J.P. MORGAN CHASE BANK, N.A, TRUSTEE OF S.A. SMITH & C. BURKE MORRIS, TRUST
	J.P. MORGAN CHASE BANK, N.A, TRUSTEE OF THE WILL E. MORRIS, TRUST
	CHAD W. JOHNSON
	JAMES D. POWELL II
	CYNTHIA FAYE POWELL
	LINDA FREDERICK
	LESLIE FREDERICK
	EMMANUEL LUTHERAN CHURCH
	VADA BARNETT
	JO ANN B. WATERS, ET VIR
	UDELLA MAE PROUDFOOT BARNETT
	LESLIE FREDERICK, AIF FOR BETTY J. BARNETT
	GENEVIEVE STOUT SUMMERS
	KATHLEEN C. SUMMERS, BY MARY LOU DEISLER HER AIF
	KATHRYN SUMMERS
	PAULINE SUMMERS

47-017-06577 MOD

SURFACE HOLE LOCATION (SHL)	APPROX. LANDING POINT	BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83 N:4335537.92 E:521804.91 NAD27, WV NORTH N:246012.100 E:1646233.400 LAT/LON DATUM-NAD83 LAT:39.168789 LON:-80.747586	UTM 17-NAD83 N:4335861.03 E:522003.84 NAD27, WV NORTH N:247061.500 E:1646903.900 LAT/LON DATUM-NAD83 LAT:39.171697 LON:-80.745272	UTM 17-NAD83 N:4337485.63 E:521381.81 NAD27, WV NORTH N:252426.862 E:1644951.633 LAT/LON DATUM-NAD83 LAT:39.186350 LON:-80.752422

04/17/2015

APRIL 2, 2015

Attachment - Form WW-6A-1 for Oxford 13 DHS:

<u>Tract ID</u>	<u>Grantor, Lessor, etc</u>	<u>Grantee, Lessee, etc</u>	<u>Royalty</u>	<u>Book/Page</u>
✓ 1,3,4,16	S.W. Stout, et al M.G. Zinn The Carter Oil Company Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corp CNG Transmission Corp Dominion Transmission, Inc. Consol Energy Holdings Consol Gas Company	M.G. Zinn The Carter Oil Company Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corp CNG Transmission Corp Dominion Transmission, Inc. Consol Energy Holdings Consol Gas Company CNX Gas Company LLC	1/8 Assignment Assignment Assignment Assignment Merger/Name Change Merger/Name Change Assignment Merger/Name Change Merger/Name Change	11/464 14/127 42/410 DB 143/345 135/583 Harrison Co. Aol 51/795 Harrison Co. Aol 58/362 245/1 DB 292/469 DB 293/252
✓ 2	Clarence E. Sigley, Trustee Clarence E. Sigley, individually Antero Resources Appalachian Corporation Antero Resources Corporation	Clarence E. Sigley, individually Antero Resources Appalachian Corp. Antero Resources Corporation CNX Gas Company LLC	1/8 Assignment Merger/Name Change Assignment	270/466 271/556 Per WV Secretary of State Website 353/257
✓ 6	J.P. Morgan Chase Bank, N.A, Trustee of S.A. Smith and C. Burke Morris, Trust	CNX Gas Company LLC	1/8	393/664
✓ 6	J.P. Morgan Chase Bank, N.A., Trustee of the Will E Morris, Trust	CNX Gas Company LLC	1/8	393/667
✓ 6	Doris J. Flint, a widow	CNX Gas Company LLC	1/8	394/9
✓ 6	Steven Gerard Horak, an unmarried person	CNX Gas Company LLC	1/8	394/59
✓ 6	Betty Booth Rader, a widow	CNX Gas Company LLC	1/8	394/49
✓ 6	Richard E. Rader, a married man dealing in his sole and separate property	CNX Gas Company LLC	1/8	394/19
✓ 6	Wayne E. Rader, et ux	CNX Gas Company LLC	1/8	394/44
✓ 6	Pamela K. Cornell, a widow	CNX Gas Company LLC	1/8	394/54
✓ 6	Douglas Smith, individually and as Co-Executor of the Estate of Freda Wylene Smith, deceased, and Patricia Smith, his wife	CNX Gas Company LLC	1/8	394/34
✓ 6	Donald Smith, individually and as Co-Executor of the Estate of Freda Wylene Smith, deceased, and Jo Beth Smith, his wife	CNX Gas Company LLC	1/8	394/39
✓ 6	Paul Manley, a widower	CNX Gas Company LLC	1/8	394/29
✓ 6	Denise Howard, et vir	CNX Gas Company LLC	1/8	394/24
✓ 6	William Greenleaf, et ux	CNX Gas Company LLC	1/8	394/14
✓ 6	Ed Hudak Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	178/515 256/285 353/272
✓ 6	Pauline Summers Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/228 256/285 353/272
✓ 6	Genevieve Summers Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/230 256/285 353/272
✓ 6	Mary Lou Geisler, AIF for Kathleen Summers Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/232 256/285 353/272

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<u>Tract ID</u>	<u>Grantor, Lessor, etc</u>	<u>Grantee, Lessee, etc</u>	<u>Royalty</u>	<u>Book/Page</u>
6	Hubert C. Gainer Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/236 256/285 353/272
6	M.L. Harding Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/242 256/285 353/272
6	Peggy Young Batten Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/226 256/285 353/272
6	Clarence F. Gainer Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/234 256/285 353/272
6	Jacqueline Gainer Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/224 256/285 353/272
6	Herbert A. Darnell Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/238 256/285 353/272
6	William Gainer Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/240 256/285 353/272
6	Robert Gainer Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/222 256/285 353/272
6	Lucille Bolte Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/217 256/285 353/272
6	Steve Bolte Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	179/220 256/285 353/272
6	Kathryn Summers Key Oil Company	Key Oil Company CNX Gas Company LLC	1/8 Assignment	380/610 386/574
6	Cecil Robinson Key Oil Company	Key Oil Company CNX Gas Company LLC	1/8 Assignment	380/617 386/574
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10,11,12	J.P. Morgan Chase Bank, N.A, Trustee of S.A. Smith and C. Burke Morris, Trust	CNX Gas Company LLC	1/8	393/670
10,11,12	J.P. Morgan Chase Bank, N.A., Trustee of the Will E Morris, Trust	CNX Gas Company LLC	1/8	393/675
10,11,12	Chad W. Johnson, a married man dealing with his sole and separate property	CNX Gas Company LLC	1/8	393/728
10,11,12	James D. Powell, II, a married man dealing with his sole and separate property	CNX Gas Company LLC	1/8	394/5
10,11,12	Cynthia Faye Powell, an unmarried person	CNX Gas Company LLC	1/8	394/1
10,11,12	Linda Frederick, a divorced woman	CNX Gas Company LLC	1/8	380/629
10,11,12	Leslie Frederick, a single woman	CNX Gas Company LLC	1/8	380/633
10,11,12	Emmanuel Lutheran Church	CNX Gas Company LLC	1/8	380/624
10,11,12	Vada Barnett, single Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	173/320 256/285 353/272

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10,11,12	Jo Ann B. Waters, et vir. Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	173/327 256/285 353/272
10,11,12	Udella Mae Proudfoot Barnett Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	175/432 256/285 353/272
10,11,12	Leslie Frederick, AIF for Betty J. Barnett, single Key Oil Company Antero Resources Appalachian Corp.	Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment	173/316 256/285 353/272
10,11,12	Genevieve Stout Summers Murvin Oil Company Key Oil Company Antero Resources Appalachian Corp.	Murvin Oil Company Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment Assignment	177/623 178/85 256/285 353/272
10,11,12	Kathleen C. Summers, by Mary Iou Deisler her AIF Murvin Oil Company Key Oil Company Antero Resources Appalachian Corp.	Murvin Oil Company Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment Assignment	177/625 178/85 256/285 353/272
10,11,12	Kathryn Summers Murvin Oil Company Key Oil Company Antero Resources Appalachian Corp.	Murvin Oil Company Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment Assignment	177/627 178/85 256/285 353/272
10,11,12	Pauline Summers Murvin Oil Company Key Oil Company Antero Resources Appalachian Corp.	Murvin Oil Company Key Oil Company Antero Resources Appalachian Corp. CNX Gas Company LLC	1/8 Assignment Assignment Assignment	177/629 178/85 256/285 353/272

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Office of Oil and Gas

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WV Department of
Environmental Protection

04/17/2015



April 7, 2015

West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th Street, SE
Charleston, WV 25304

RE: CONSOL Energy's proposed OXFD13DHS Well, in Doddridge County, West Virginia
Drilling Under CR 19/11, South Fork Hughes River Road.

To Whom It May Concern:

CONSOL Energy, Inc. (CNX) is applying for a drilling permit for the above referenced well. The State of West Virginia has raised some concern as to CNX's right to drill under CR 19/11, South Fork Hughes River Road. Please be advised that according to the title information we have relied on in submitting this application, the State owns no oil and gas rights under said road(s) and/or railroad(s) that CNX has leased said rights from the appropriate parties as set forth on the accompanying Form WW-6A1.

Very truly yours,

A handwritten signature in blue ink that reads 'Kelly Eddy'.

Kelly Eddy
Supervisor - Permitting
CONSOL Energy, Inc.

04/17/2015