

Boundaries as shown taken from deeds, tax maps and field locations. A full boundary survey is not expressed nor implied. All bearings are based on true north. Data were taken from public records MONONGALIA County, West Virginia MAY 2019
 State Plane Coordinates & NAD 83 Lat/Long by differential submeter mapping grade GPS drafted by E.A.R.

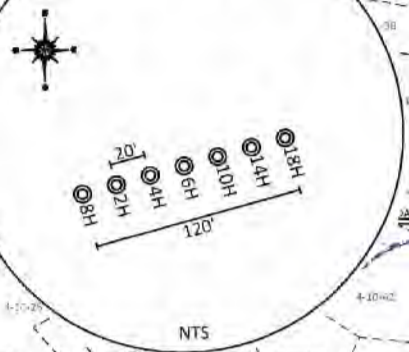
NOTE:
 NO WATER WELLS WERE FOUND WITHIN 1000' OF THE CENTER OF WELL PAD.

TOP HOLE (UTM NAD83)
 N: 439062.0
 E: 570280.5
 BOTTOM HOLE (UTM NAD83)
 N: 4302413.6
 E: 569373.4

SURFACE HOLE DFC, LONG: 80.180891
 SURVEYED LONG: 80°10'51.2"
 Latitude: 39° 40' 00" (NAD27)
 Longitude: 80° 10' 00" (NAD27)
 SURFACE HOLE DEC. LAT: 39.661898
 SURVEYED LAT: 39° 39' 42.8"

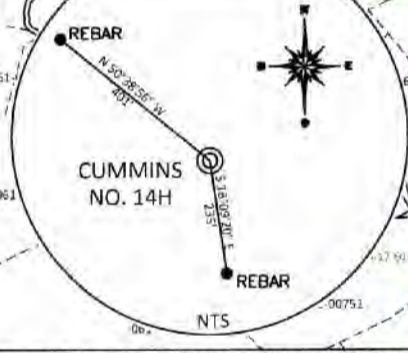
TOTAL BORED DISTANCE FROM LP TO BH = 6,581.42'

REFERENCES TO PROPOSED HORIZONTAL WELLS SURFACE LOCATIONS



Existing Wells within 2,400' NTS

REFERENCES



API # & DISTANCE TO WELL
 061-00830: S 87° 37' 15" W 1176'
 FOUND IN FIELD: S 76° 27' 35" W 1315'
 061-00795: S 54° 58' 27" W 1208'

FILE #: NNE15
 DRAWING #: 2945
 SCALE: PLAT: 1" = 1600'
 TICK: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1/200
 PROVEN SOURCE: SUBMETER MAPPING GRADE GPS

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]*
 L.L.S. #2124 : Ernest J. Benchek III



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP
 OFFICE OF OIL & GAS
 601 5TH STREET
 CHARLESTON, WV 25304

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

WATERSHED: DUNKARD CREEK
 COUNTY/DISTRICT: MONONGALIA / CLAY
 SURFACE OWNER: JERRY L. YOST ET AL
 OIL & GAS ROYALTY OWNER: NNE LLC, et al
 LEASE NUMBERS:

DATE: FEBRUARY 18, 2020
 OPERATOR'S WELL #: CUMMINS 14H
 API WELL #: 47 61 **D1840**
 STATE COUNTY PERMIT
 CURRENT ELEVATION: 1,374'
 PROPOSED ELEVATION: 1,358.25'

QUADRANGLE: BLACKSVILLE
 ACREAGE: 81.472 +/-
 ACREAGE: 513.532 +/-

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

TARGET FORMATION: MARCELLUS
 ESTIMATED DEPTH: TVD: 8,070' TMD: 15,447'
 WELL OPERATOR: NORTHEAST NATURAL ENERGY LLC
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301
 DESIGNATED AGENT: JOHN ADAMS
 ADDRESS: 707 VIRGINIA STREET EAST, SUITE 1200
 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

PROPERTY OWNER INDEX	
4-17-71	JERRY L YOST ET AL
4-17-70	ROB & JOYCE BENNETT
4-17-70.1	STEVEN & HILDA JANE WIERSEMA
4-17-69	M RODGER & DONNA S OZBURN
4-17-68	LEONARD MICHAEL YOHO
4-17-68.3	RICHARD P & WILMA L EDDY
4-10-77	ELLEN MARIE ROSE
4-10-76	NANCY M WILSON, RICHARD E PANRELL SR. & NORMA R PANRELL
4-10-74	RACHEL B BAYS
4-10-72	NOUMENON CORPORATION & TITUS H BROOKOVER
4-10-50	MARK MYERS
4-10-53	ARTHUR L & SANDRA R MAIN

LEASE INDEX			
A	WV-061-003499-001	G	WV-061-003693-002
B	WV-061-004599-060	H	WV-061-003693-002
C	WV-061-004367-015	I	WV-061-000127-001-LA
D	WV-061-00127-001-LA	J	WV-061-004563-000
E	WV-061-00127-001-LA		
F	WV-061-003693-002		

RECEIVED
Office of Oil and Gas
FEB 26 2020
WV Department of
Environmental Protection

FILE #: NEE14
DRAWING #: 2945
SCALE: N/A

DATE: FEBRUARY 18, 2020
OPERATOR'S WELL #: CUMMINS 14H
API WELL #: 47 61 **DIBAO**
STATE COUNTY PERMIT