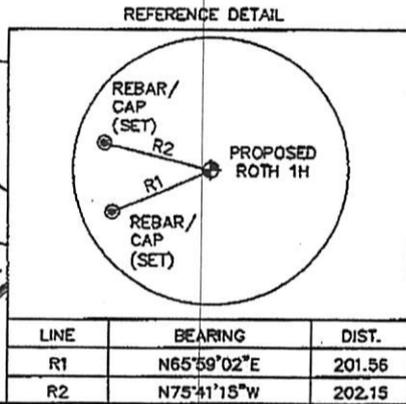


GAS LEASE INFORMATION			
DISTRICT-TAX MAP/PARCEL	OWNER	ACREAGE	AS LEASE
13-10/42	FAYE E. ROTH	65.49	YES
13-13/7	GEORGE F. WEAVER 2002 LIVING TR	73.90	YES
13-13/7.1	GEORGE F. WEAVER II ET UX	0.83	YES
13-13/7.2	GEORGE F. WEAVER 2002 LIVING TR	1.00	YES
13-13/8	FAYE E. ROTH ET AL	56.64	YES
13-13/9	EDGAR HELLER	164.48	YES
13-13/24	GEORGE F. WEAVER 2002 LIVING TR	1.53	YES
14-4/5.2	ROLAND B. MASON	35.116	YES
14-4/6	ROLAND B. MASON	36.42	YES



NOTES:
 1. THERE ARE NO DWELLING WITHIN 200' OF PROPOSED WELL.
 2. PROPOSED WELL IS GREATER THAN 100' FROM THE MINERAL LINE.
 3. THE LOCATION OF BOUNDARY LINES ARE BASED ON RECORDED DEED DESCRIPTIONS AND NOT BASED ON AN ACTUAL FIELD SURVEY.
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

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. _____ 1969



FILE NO. R005935.0456
 DRAWING NO. ROTH 1H PLAT
 SCALE 1" = 1000
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION GPS (SURVEY GRADE)

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1,323 WATERSHED: UNNAMED TRIBUTARY TO GRAVE CREEK
 DISTRICT: UNION COUNTY: MARSHALL
 QUADRANGLE: MOUNDSVILLE

SURFACE OWNER: FAYE E. ROTH ACREAGE: ±69.87
 OIL & GAS ROYALTY OWNER: SEE ABOVE TABLE LEASE ACREAGE: ±435.41
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___
 CLEAN OUT AND REPLUG ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

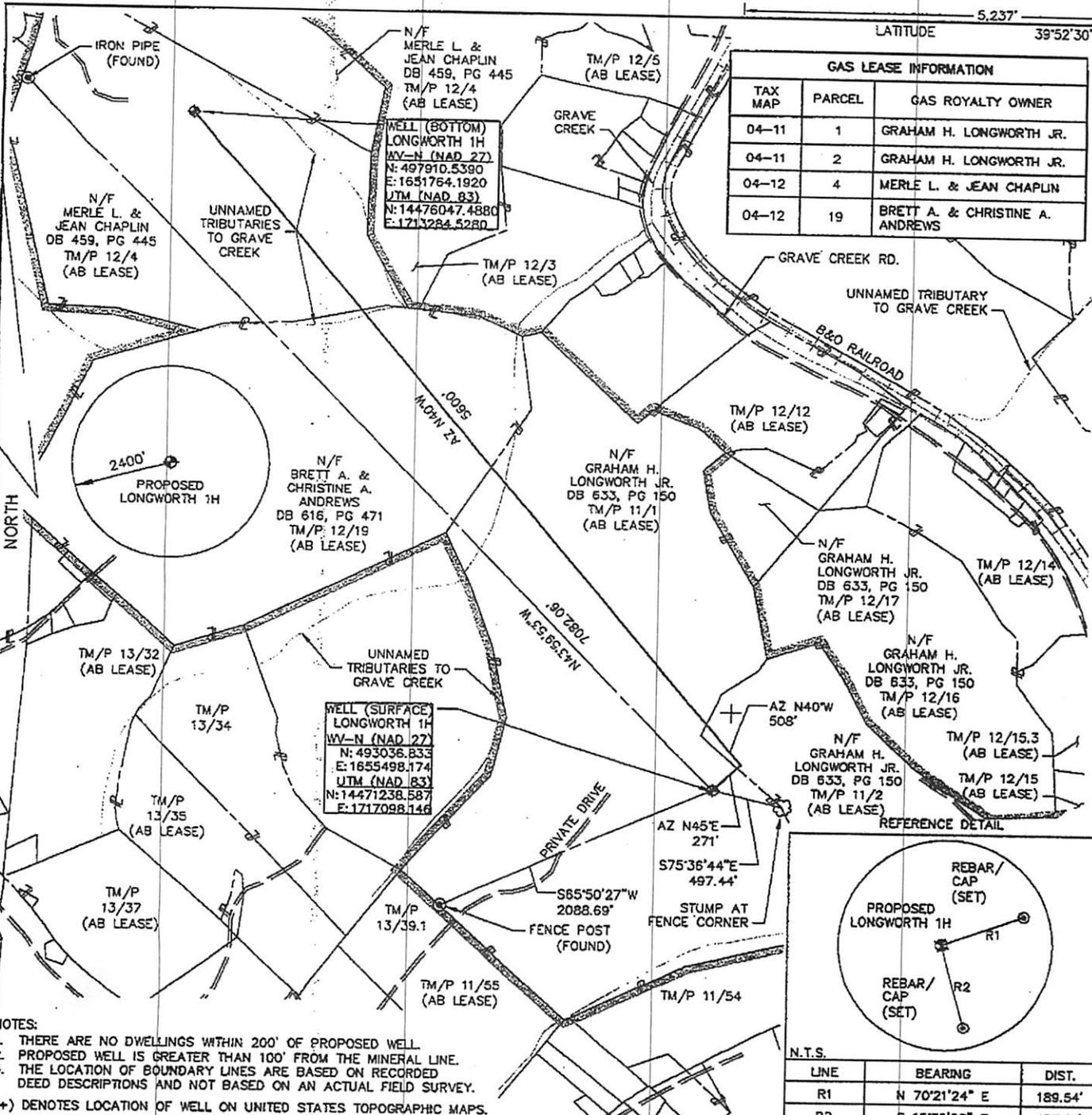
TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 6,433'
 WELL OPERATOR: AB RESOURCES DESIGNATED AGENT: CT CORPORATION SYSTEM
 ADDRESS: 6802 W. SNOWVILLE ROAD, SUITE E ADDRESS: 5400 D BIG TYLER ROAD
 BRECKSVILLE, OH 44141 CHARLESTON, WV 25313

DATE 6/15, 2011
 OPERATOR'S WELL NO. ROTH 1H
 API WELL NO. _____

47 - 51 - 01482H
 STATE COUNTY PERMIT
CANCELLED

COUNTY NAME _____ PERMIT _____

File name: C:\Civl 3D Projects\005935_0456\Plan Set\KSHA\0059350456PLAT.dwg Layout: Form WW-8 Jun 15, 2011 9:35am Palsind FORM WW-8



GAS LEASE INFORMATION		
TAX MAP	PARCEL	GAS ROYALTY OWNER
04-11	1	GRAHAM H. LONGWORTH JR.
04-11	2	GRAHAM H. LONGWORTH JR.
04-12	4	MERLE L. & JEAN CHAPLIN
04-12	19	BRETT A. & CHRISTINE A. ANDREWS

N.T.S.

LINE	BEARING	DIST.
R1	N 70°21'24" E	189.54'
R2	S 15°39'06" E	197.01'

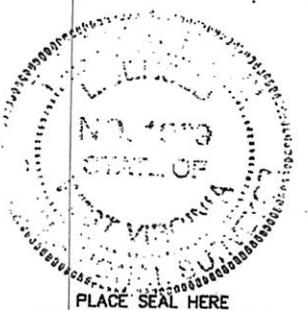
FORM WW-6
May 13, 2011 1:09pm Joland
File name: C:\chwi_3D Projects\00935_0447\Plan State\00935\0447\PLAT.dwg Layout: B of PLAT

HRC
Engineering & Related Services
285 West Kemmerling Drive, Suite 400
Greentree Township, PA 16066
(724) 779-4777
Fax (724) 779-4711
hrg@hrg-inc.com
www.hrg-inc.com

FILE NO. R005935.0447
DRAWING NO. LONGWORTH 1H PLAT
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 : 2500
PROVEN SOURCE OF ELEVATION GPS (SURVEY GRADE)

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. _____ 1969



STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION



DATE MAY 6, 2011
OPERATOR'S WELL NO. LONGWORTH 1H
API WELL NO. 47-51-01453H
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1282' WATERSHED: Grave Creek Watershed
DISTRICT: CLAY COUNTY: MARSHALL
QUADRANGLE: GLEN EASTON

SURFACE OWNER: GRAHAM H. LONGWORTH JR ACREAGE: ±184.7
OIL & GAS ROYALTY OWNER: SEE ABOVE TABLE LEASE ACREAGE: ±483.95
LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
CLEAN OUT AND REPLUG OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 6523'
WELL OPERATOR: AB RESOURCES PA, LLC DESIGNATED AGENT: CT CORPORATION SYSTEM
ADDRESS: 6802 W SNOWVILLE RD, SUITE E ADDRESS: 5400 D BIG TYLER RD.
BRECKSVILLE, OH 44141 CHARLESTON, WV 25313

CANCELLED

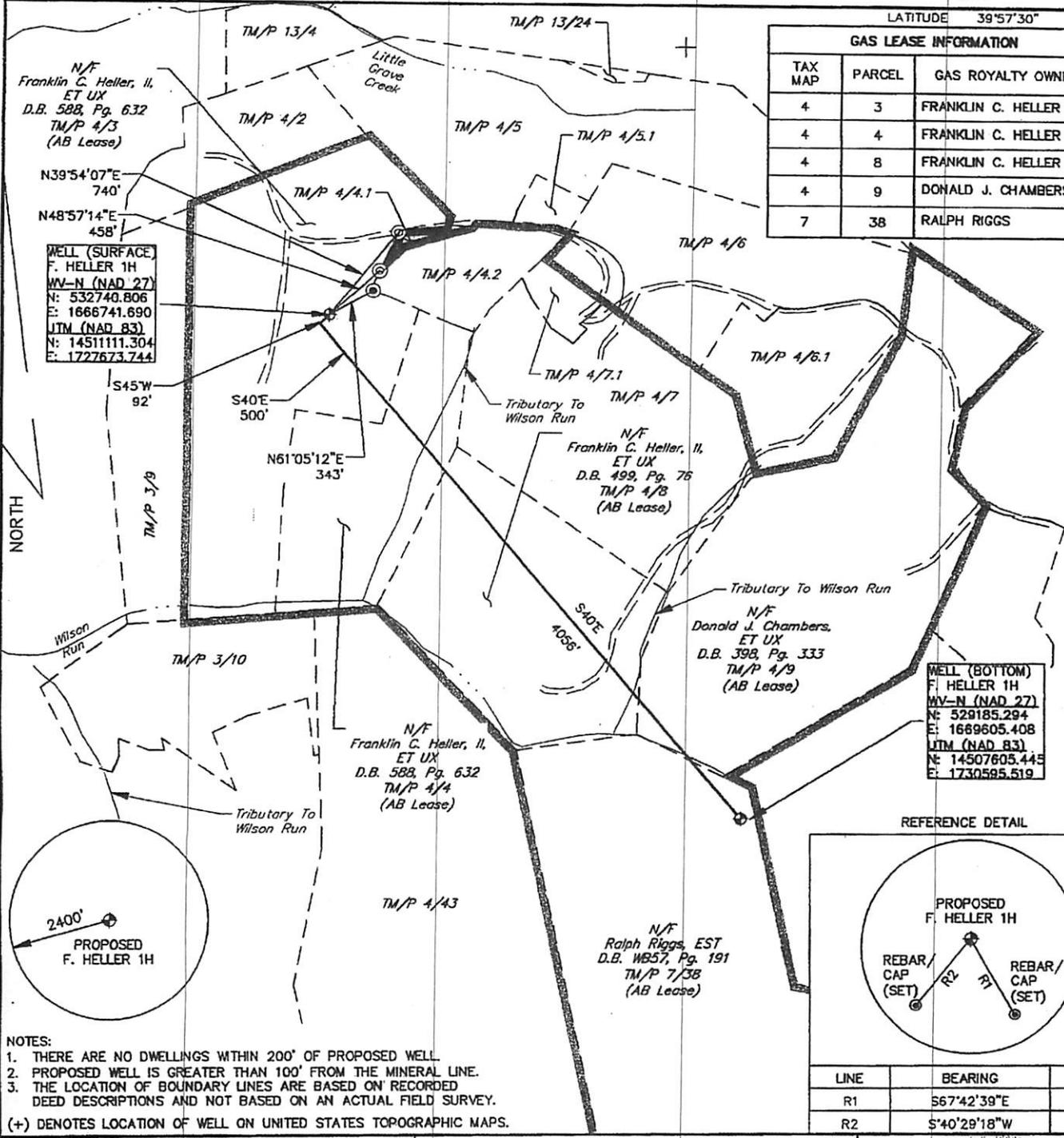
COUNTY NAME
PERMIT

6,155'

LATITUDE 39°57'30"

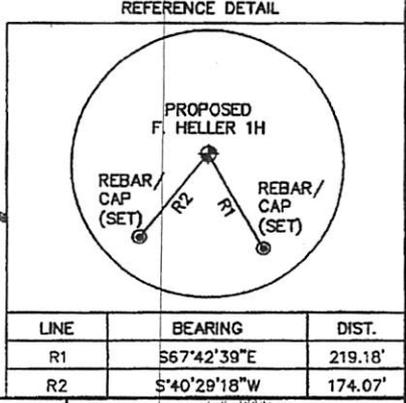
LONGITUDE 80°40'00"

GAS LEASE INFORMATION		
TAX MAP	PARCEL	GAS ROYALTY OWNER
4	3	FRANKLIN C. HELLER
4	4	FRANKLIN C. HELLER
4	8	FRANKLIN C. HELLER
4	9	DONALD J. CHAMBERS
7	38	RALPH RIGGS



WELL (SURFACE)
F. HELLER 1H
WV-N (NAD 27)
N: 532740.806
E: 1666741.690
UTM (NAD 83)
N: 14511111.304
E: 1727673.744

WELL (BOTTOM)
F. HELLER 1H
WV-N (NAD 27)
N: 529185.294
E: 1669605.408
UTM (NAD 83)
N: 14507805.445
E: 1730595.519



LINE	BEARING	DIST.
R1	S67°42'39"E	219.18'
R2	S°40'29'18"W	174.07'

NOTES:
 1. THERE ARE NO DWELLINGS WITHIN 200' OF PROPOSED WELL.
 2. PROPOSED WELL IS GREATER THAN 100' FROM THE MINERAL LINE.
 3. THE LOCATION OF BOUNDARY LINES ARE BASED ON RECORDED DEED DESCRIPTIONS AND NOT BASED ON AN ACTUAL FIELD SURVEY.
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

FORM WW-6 May 23, 2011 4:42pm rwatlaon

LRG
 200 West Kensington Drive, Suite 400
 Centerville, Pennsylvania, PA 16805
 (717) 728-5777
 Fax: (717) 779-6711
 www.lrg-inc.com

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) *John H. Kindel*

R.P.E. _____ L.L.S. _____ 1969



FILE NO. R005935.0433
 DRAWING NO. F. HELLER 1H PLAT
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION GPS (SURVEY GRADE)

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION

DATE MAY 23, 2011
 OPERATOR'S WELL NO. F. HELLER 1H
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1343.16' WATERSHED: UNNAMED TRIBUTARY OF WILSON RUN
 DISTRICT: WASHINGTON COUNTY: MARSHALL
 QUADRANGLE: MOUNDSVILLE

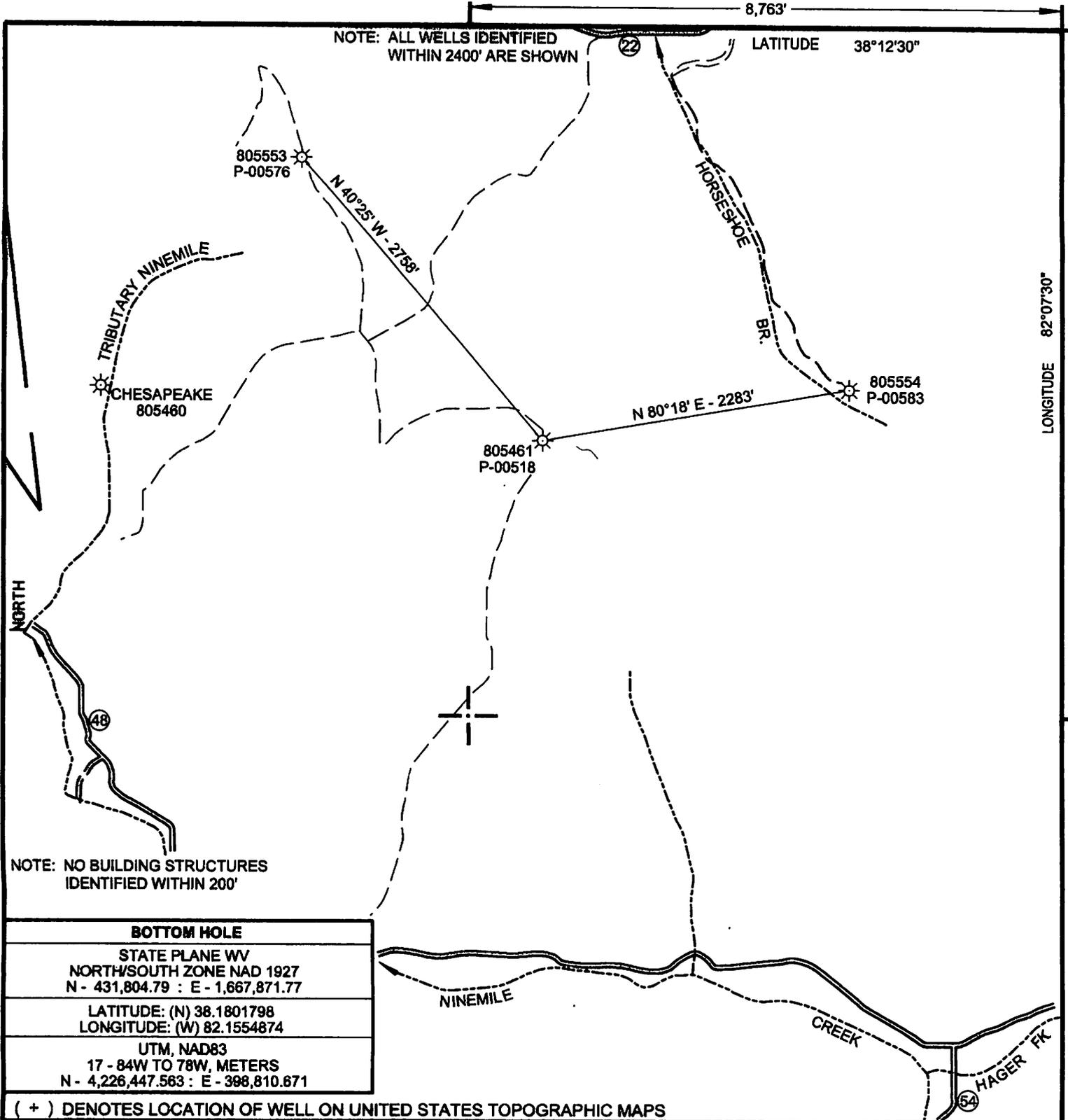
SURFACE OWNER: FRANKLIN C. HELLER ACREAGE: ±79.13
 OIL & GAS ROYALTY OWNER: SEE ABOVE TABLE LEASE ACREAGE: ±486.43
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON
 CLEAN OUT AND REPLUG OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 6,352'
 WELL OPERATOR: AB RESOURCES DESIGNATED AGENT: CT CORPORATION SYSTEM
 ADDRESS: 6802 W. SNOWVILLE ROAD, SUITE F ADDRESS: 5400 D BIG TYLER ROAD
BRECKSVILLE, OH 44141 CHARLESTON, WV 25313

47 - 51 - 01461H
 STATE COUNTY PERMIT
CANCELLED

COUNTY NAME PERMIT



NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

8,763' LATITUDE 38°12'30"

LONGITUDE 82°07'30"

805553 P-00576

CHESAPEAKE 805480

805461 P-00518

805554 P-00583

N 40°25' W - 2758'

N 80°18' E - 2283'

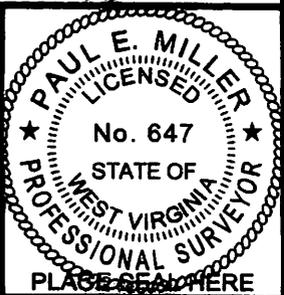
NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

BOTTOM HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 431,804.79 : E - 1,667,871.77	
LATITUDE: (N) 38.1801798 LONGITUDE: (W) 82.1554874	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,226,447.583 : E - 398,810.871	

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 805461WO.DGN
 DRAWING NO. 5491 WO
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION 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) Paul E. Miller
 R.P.E. _____ L.L.S. 647



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION				DATE <u>MAY 12</u> , 20 <u>14</u>	
				OPERATOR'S WELL NO. <u>805461</u>	
				API WELL NO. <u>47 043 00518 W</u>	
WELL TYPE: OIL ___ GAS <u>X</u> LIQUID INJECTION ___ WASTE DISPOSAL ___		STATE <u>47</u> COUNTY <u>043</u> PERMIT <u>00518 W</u>		CANCELLED	
(IF "GAS,") PRODUCTION <u>X</u> STORAGE ___ DEEP ___ SHALLOW <u>X</u>					
LOCATION: ELEVATION <u>1118'</u> WATER SHED _____		NINEMILE CREEK OF GUYAN RIVER		COUNTY NAME	
DISTRICT _____ LAUREL HILL _____ COUNTY _____ LINCOLN					
QUADRANGLE <u>BRANCHLAND, WV 7.5'</u>					
SURFACE OWNER <u>HEARTWOOD FORESTLAND</u> ACREAGE <u>-</u>				PERMIT	
OIL & GAS ROYALTY OWNER <u>CHESAPEAKE APPALACHIA, L.L.C.</u> LEASE ACREAGE _____					
LEASE NO. _____ FEE LAND (GAS) _____					
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ WORKOVER _____					
PLUG AND ABANDON ___ CLEAN OUT AND REPLUG _____					
TARGET FORMATION _____ ESTIMATED DEPTH _____					
WELL OPERATOR <u>CHESAPEAKE APPALACHIA, L.L.C.</u> DESIGNATED AGENT <u>ERIC B. GILLISPIE</u>					
ADDRESS <u>PO BOX 18496 OKLAHOMA CITY, OK 73154-0496</u> ADDRESS <u>PO BOX 6070 CHARLESTON, WV 25362</u>					

FORM WW-6