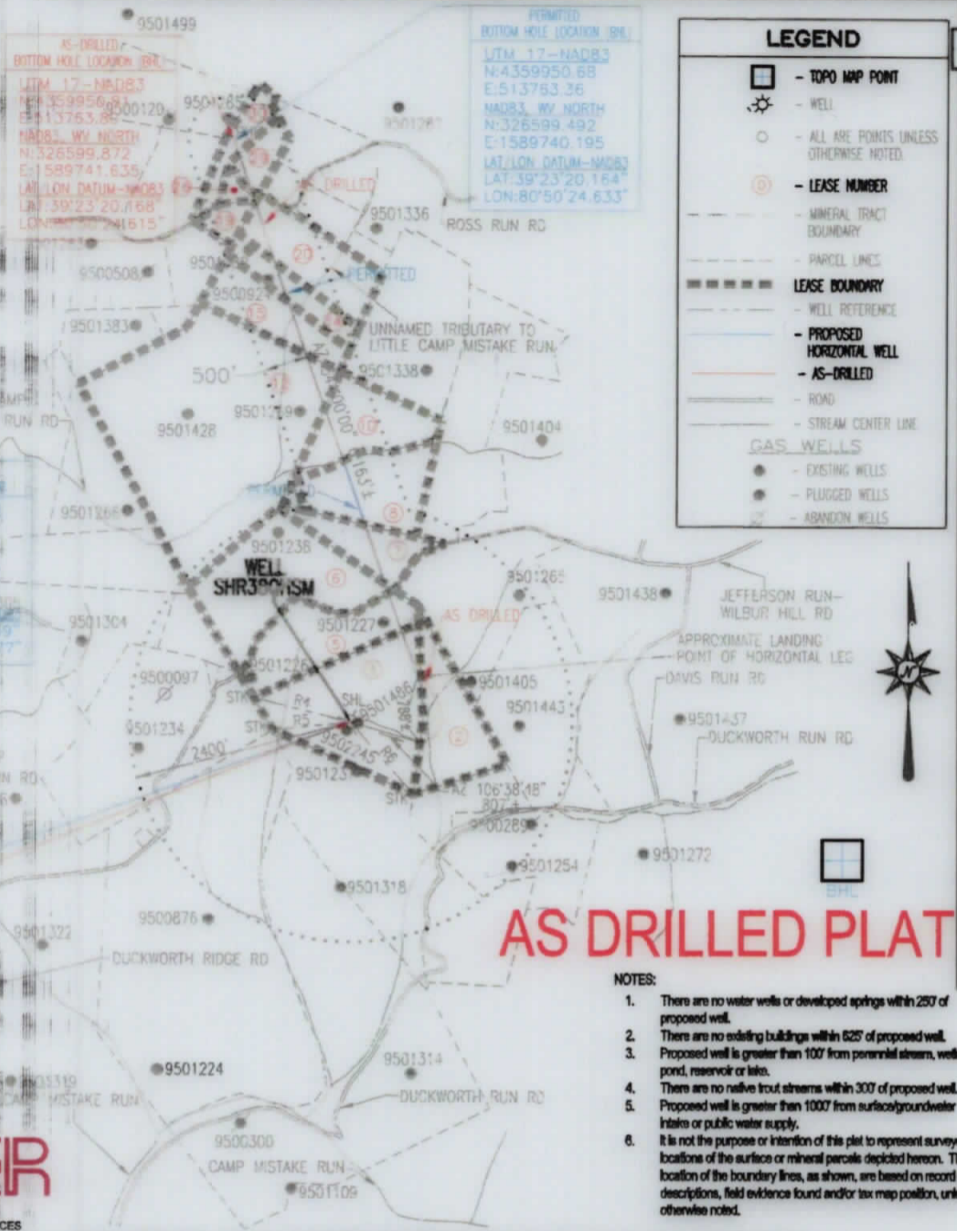
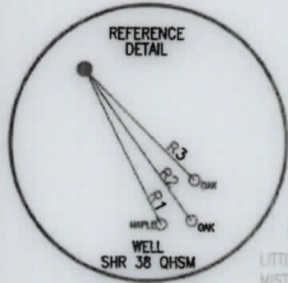


LINE	BEARING	DISTANCE
R1	S 26°29'54" E	237.39'
R2	S 35°24'02" E	254.66'
R3	S 44°58'14" E	214.61'
R4	N 75°46'14" W	1089.21'
R5	S 84°07'23" W	849.74'
R6	S 40°41'36" E	1040.41'

BHL is located on topo map 10,101 feet south of Latitude: 39°25'00"  
 SHL is located on topo map 1,230 feet south of Latitude: 39°22'30"



LEGEND	
	- TOPO MAP POINT
	- WELL
	- ALL ARE POINTS UNLESS OTHERWISE NOTED
	- LEASE NUMBER
	- MINERAL TRACT BOUNDARY
	- PARCEL LINES
	- LEASE BOUNDARY
	- WELL REFERENCE
	- PROPOSED HORIZONTAL WELL
	- AS-DRILLED
	- ROAD
	- STREAM CENTER LINE
GAS WELLS	
	- EXISTING WELLS
	- PLUGGED WELLS
	- ABANDON WELLS

BHL is located on topo map 1,934 feet west of Longitude: 80°50'00"  
 SHL is located on topo map 554 feet west of Longitude: 80°50'00"

AS-DRILLED APPROX. LANDING POINT  
 UTM 17-NAD83  
 N:4358213.39  
 E:514405.59  
 NAD83 WY NORTH  
 N:320853.3  
 E:1591759.81  
 LAT/LON DATUM-NAD83  
 LAT:39°22'23.77"  
 LON:80°49'57.87"

PERMITTED APPROX. LANDING POINT  
 UTM 17-NAD83  
 N:4358185.50  
 E:514404.28  
 NAD83 WY NORTH  
 N:320772.20  
 E:1591745.686  
 LAT/LON DATUM-NAD83  
 LAT:39°22'22.99"  
 LON:80°49'57.97"

PERMITTED SURFACE HOLE LOCATION (SHL)  
 UTM 17-NAD83  
 N:4358030.15  
 E:514187.40  
 NAD83 WY NORTH  
 N:320274.010  
 E:1591026.502  
 LAT/LON DATUM-NAD83  
 LAT:39°22'17.840"  
 LON:80°50'07.053"

AS-DRILLED SURFACE HOLE LOCATION (SHL)  
 UTM 17-NAD83  
 N:4358030.15  
 E:514187.40  
 NAD83 WY NORTH  
 N:320274.010  
 E:1591026.502  
 LAT/LON DATUM-NAD83  
 LAT:39°22'17.840"  
 LON:80°50'07.053"

**THRASHER**

CIVIL- ENVIRONMENTAL- CONSULTING- FIELD SERVICES  
 800 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 25330  
 PHONE (304) 824-4108- FAX (304) 624-7831

SEE PAGE 2 & 3 FOR SURFACE OWNERS AND LESSORS

- 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 descriptions, field evidence found and/or tax map position, unless otherwise noted.

FILE #: SHR 38 QHSM  
 DRAWING #: SHR 38 QHSM  
 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: *George D. Six*  
 R.P.E.: \_\_\_\_\_ r 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: FEBRUARY 14, 2020  
 OPERATOR'S WELL #: SHR 38 QHSM  
 API WELL #: 47 95 02652  
 STATE COUNTY PERMIT

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

WATERSHED: HEADWATERS MIDDLE ISLAND CREEK ELEVATION: 1012±  
 COUNTY/DISTRICT: TYLER / CENTERVILLE QUADRANGLE: WEST UNION, WV 7.5'  
 SURFACE OWNER: JAMES E. ASH ET AL ACREAGE: 111±  
 OIL & GAS ROYALTY OWNER: JAMES E. ASH ET AL ACREAGE: 363.118±

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,480± TMD: 13,181±  
 WELL OPERATOR CNX GAS COMPANY LLC DESIGNATED AGENT ANTHONY KENDZIORA  
 Address 1000 CONSOL ENERGY DRIVE Address 1000 CONSOL ENERGY DRIVE  
 City CANONSBURG State PA Zip Code 15317 City CANONSBURG State PA Zip Code 15317

08/27/2021

# SHR 38 QHSM

## PAGE 2 OF 3

### AS DRILLED PLAT

	SURFACE OWNER	LESSOR	DIST-TM/PAR
1 5	JAMES E. ASH ET AL	VERNA O. ASH, JAMES E. ASH AND THELMA B. ASH, BESSIE HAUGHT AND HAROLD WARNER ERNEST G. SECKMAN AND O. JOANNE SECKMAN RALPH E. PHILLIPS AND VELINDA PHILLIPS H/W	P/O 1-16/19
2	JAMES E. ASH ET AL	VERNA O. ASH, JAMES E. ASH AND THELMA B. ASH, BESSIE HAUGHT AND HAROLD WARNER ERNEST G. SECKMAN AND O. JOANNE SECKMAN RALPH E. PHILLIPS AND VELINDA PHILLIPS H/W MARTHA SUE MUZIO, F/K/A MARTHA SUE LOCOCO MARY LYNNE SLATTERY, F/K/A MARY LYNNE LOCOCO RITA G. JARVIS JO ELLEN HARPER DAY WILLIAM PAUL HARPER MARION R. BACHELOR AND GLORIA JEAN BACHELOR, H/W BERDINA ROSE AND NORMAN W. ROSE, W/H DAVID PAUL LOCOCO ELIZABETH FLORENCE LOCOCO MARY LEE LULLY MICHELLE LOCOCO BUSHMIRE, F/K/A MICHELLE LUCRETIA BUSHMIRE DONALD VINCENT LOCOCO MARGO KIEHL JOHN MICHEL LEONIAN JOHN FULTON LEONIAN JEFFREY TODD HEFLIN JASON S. HEFLIN AND JESSICA L. HEFLIN, H/W NILA ASH SAYLOR REVOCABLE TRUST, BY JOSEPH F. SILEK, JR., TRUSTEE PHILIP LEONIAN, A/K/A PHILIP MARSHALL LEONIAN ROBERT LEONIAN A/K/A JOSEPH ROBERT LEONIAN BAILEY ANN MILLS ARMEN LEONIAN, A/K/A ARMEN LANHAM LEONIAN THERESA LEE ROBERTSON ROSE MARIE VANHEUWLEN COMMONWEALTH ENERGY, INC. A/K/A COMMONWEALTH ENERGY	P/O 1-16/19
6	DIANA L. BOGER	EDNA DILLON SAMUEL DAVID DILLON AND DONNA L. DILLON, H/W HOWARD D. SPURLOCK AND MARIAN E. SPURLOCK, H/W EDITH M. DOAK PEARL G. MCINTYRE PAUL MCINTYRE KERMIT MCINTYRE AND RUTH MCINTYRE, H/W SHEILA L. GUY EDITH W. MCINTYRE	P/O 1-16/18
7	WILLIAM D. & MARY C. DANIELS	GARY W. AND DEBRA J. DAVIS RUBY N. SPENCER AND FRED A. NICHOLS AND LAURA L. NICHOLS, H/W IRO NICHOLS MONA WRIGHT RALPH SHERWOOD WANDA SCHAUER CONRAD COSTILOV	1-16/2.1
8	WILLIAM D. & MARY C. DANIELS	WILLIAM N. DANIELS AND MARY C. DANIELS, H/W	P/O 1-16/2
10	ERIC A. SNYDER	BOUNTY MINERALS, LLC	1-16/3
12	KENNETH G. WRIGHT KENNETH G. WRIGHT, TRUSTEE	FRANKLIN L. MERCER AND RUTH L. MERCER, H/W AND FRANKLIN L. MERCER, ATTORNEY-IN-FACT FOR ROGER N. MERCER AND GLORIA MERCER, H/W DELORES ROSSI LUTHER ROGERS AND ANITA ROGERS, H/W MARIE MERCER HARLEY EDWIN SPENCER AND ALICE RUTH SPENCER, H/W THE KENNETH G. WRIGHT TRUST, DATED 12/21/2010, BY KENNETH G. WRIGHT, TRUSTEE	1-16/1
14	KENNETH G. WRIGHT TRUST C/O KENNETH G. WRIGHT	FRANKLIN L. MERCER AND RUTH L. MERCER, H/W AND FRANKLIN L. MERCER, ATTORNEY-IN-FACT FOR ROGER N. MERCER AND GLORIA MERCER, H/W DELORES ROSSI LUTHER ROGERS AND ANITA ROGERS, H/W MARIE MERCER HARLEY EDWIN SPENCER AND ALICE RUTH SPENCER, H/W FORREST JENKINS AND EVA JENKINS, H/W, FOREST JENKINS, ATTORNEY-IN-FACT FOR THE FOLLOWING: CARL JENKINS, BETTY JENKINS, STELLA DEAN JENKINS, ZETTA ASH, ALICE HAUGHT AND THOMAS HAUGHT ZETTA F. ASH CARL JENKINS AND BETTY JENKINS, H/W STELLA DEAN JENKINS ALICE HAUGHT ALFRED COTTRILL, INDIVIDUALLY AND AS ATTORNEY-IN- FACT FOR RENNA FOX BARBARA BALLOU BAKER KAYVONNE PASULKA CHARLES H. BALLOU AND LOIS M. BALLOU, H/W STEVEN E. BALLOU AND LINDA M. BALLOU, H/W	1-13/13.5

PERMITTED  
SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83  
N:4358030.75  
E:514187.40  
NAD83, WV NORTH  
N:320274.010  
E:1591026.502  
LAT/LON DATUM-NAD83  
LAT:39°22'17.840"  
LON:80°50'07.053"

SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83  
N:4358030.75  
E:514187.40  
NAD83, WV NORTH  
N:320274.010  
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LAT:39°22'17.840"  
LON:80°50'07.053"

PERMITTED  
APPROX. LANDING POINT

UTM 17-NAD83  
N:4358185.59  
E:514404.28  
NAD83, WV NORTH  
N:320772.204  
E:1591746.696  
LAT/LON DATUM-NAD83  
LAT:39°22'22.869"  
LON:80°49'57.977"

AS-DRILLED  
APPROX. LANDING POINT

UTM 17-NAD83  
N:4358213.39  
E:514406.59  
NAD83, WV NORTH  
N:320863.31  
E:1591755.81  
LAT/LON DATUM-NAD83  
LAT:39°22'23.771"  
LON:80°49'57.878"

PERMITTED  
BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83  
N:4359950.68  
E:513763.36  
NAD83, WV NORTH  
N:326599.492  
E:1589740.195  
LAT/LON DATUM-NAD83  
LAT:39°23'20.164"  
LON:80°50'24.633"

AS-DRILLED  
BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83  
N:4359954.81  
E:513763.80  
NAD83, WV NORTH  
N:326599.877  
E:1589741.635  
LAT/LON DATUM-NAD83  
LAT:39°23'20.166"  
LON:80°50'24.615"

08/27/2021



FEBRUARY 14, 2020

API WELL #: 47      95      02652  
STATE      COUNTY      PERMIT

# SHR 38 QHSM

## PAGE 3 OF 3

### AS DRILLED PLAT

	SURFACE OWNER	LESSOR	DIST-TM/PAR
15	KENNETH G. WRIGHT KENNETH G. WRIGHT, TRUSTEE	FRANKLIN L. MERCER AND RUTH L. MERCER, H/W AND FRANKLIN L. MERCER, ATTORNEY-IN-FACT FOR ROGER N. MERCER AND GLORIA MERCER, H/W DELORES ROSSI LUTHER ROGERS AND ANITA ROGERS, H/W MARIE MERCER HARLEY EDWIN SPENCER AND ALICE RUTH SPENCER, H/W FORREST JENKINS AND EVA JENKINS, H/W, FORREST JENKINS, ATTORNEY-IN-FACT FOR THE FOLLOWING: CARL JENKINS, BETTY JENKINS, STELLA DEAN JENKINS, ZETTA ASH, ALICE HAUGHT AND THOMAS HAUGHT ZETTA F. ASH CARL JENKINS AND BETTY JENKINS, H/W STELLA DEAN JENKINS ALICE HAUGHT ALFRED COTTRILL, INDIVIDUALLY AND AS ATTORNEY-IN-FACT FOR RENNA FOX BARBARA BALLOU BAKER KAYYONNE PASULKA CHARLES H. BALLOU AND LOIS M. BALLOU, H/W STEVEN E. BALLOU AND LINDA M. BALLOU, H/W	1-13/13.4
19	PATRICK D. & DONNA S. LIPSCOMB	ROBERT L. UNDERWOOD AND VICTORIA M. UNDERWOOD, H/W	1-13/12.3
20	MATTHEW ASH	FRANKLIN L. MERCER & RUTH L. MERCER, H/W AND FRANKLIN L. MERCER, ATTORNEY-IN-FACT FOR ROGER N. MERCER AND GLORIA MERCER, H/W DELORES ROSSI LUTHER ROGERS AND ANITA ROGERS, H/W MARIE MERCER HARLEY EDWIN SPENCER AND ALICE RUTH SPENCE, H/W FORREST JENKINS AND EVA JENKINS, H/W, FORREST JENKINS, ATTORNEY-IN-FACT FOR THE FOLLOWING: CARL JENKINS, BETTY JENKINS, STELLA DEAN JENKINS, ZETTA ASH, ALICE HAUGHT AND THOMAS HAUGHT ZETTA F. ASH CARL JENKINS AND BETTY JENKINS, H/W STELLA DEAN JENKINS ALICE HAUGHT ALFRED COTTRILL, INDIVIDUALLY AND AS ATTORNEY-IN-FACT FOR RENNA FOX BARBARA BALLOU BAKER KAYYONNE PASULKA CHARLES H. BALLOU AND LOIS M. BALLOU, H/W STEVEN E. BALLOU AND LINDA M. BALLOU, H/W	1-13/13
26	WILLIAM B. AND JULIE A. MARKLE	ROBERT L. UNDERWOOD AND VICTORIA M. UNDERWOOD, H/W	1-13/12.2
29	ONA M. QUELLHORST	ROBERT L. UNDERWOOD AND VICTORIA M. UNDERWOOD, H/W	P/O 1-13/12
	THOMAS VAN DE BUNT		P/O 1-13/12.2
30	THOMAS VAN DE BUNT	JUDY S. WETZEL, FKA JUDY THACKER MARY FRANCES CARPENTER JANICE J. WAGENER, FKA, JANICE L. MAY ROY DEAN ASH LARRY J. MCCAW AND JOETTE B. MCCAW, H/W JAMES F. BRAMHALL KITTY MIESIAK, F/K/A KITTY BOND BETTY E. MORRISON COLLEEN J. PATRICK EVELYN J. LINVILLE MARYLYN M. SMITH, F/K/A, MARYLYN J. SMITH MARC P. WISE MICHAEL D. WISE	P/O 1-13/12.1

PERMITTED  
SURFACE HOLE LOCATION (SHL)  
UTM 17-NAD83  
N:4358030.15  
E:514187.40  
NAD83 WV NORTH  
N:320274.010  
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LAT/LON DATUM-NAD83  
LAT:39°22'17.840"  
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UTM 17-NAD83  
N:4358186.59  
E:514404.26  
NAD83 WV NORTH  
N:320772.204  
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LAT/LON DATUM-NAD83  
LAT:39°22'22.869"  
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LAT:39°23'20.168"  
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FEBRUARY 14, 2020

API WELL #: 47 95 02652  
STATE COUNTY PERMIT