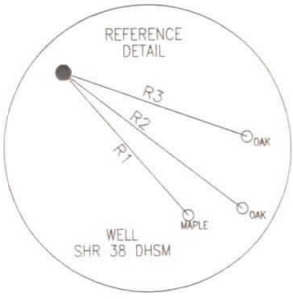


SHR 38 DHSM

PAGE 2 OF 3

AS DRILLED PLAT

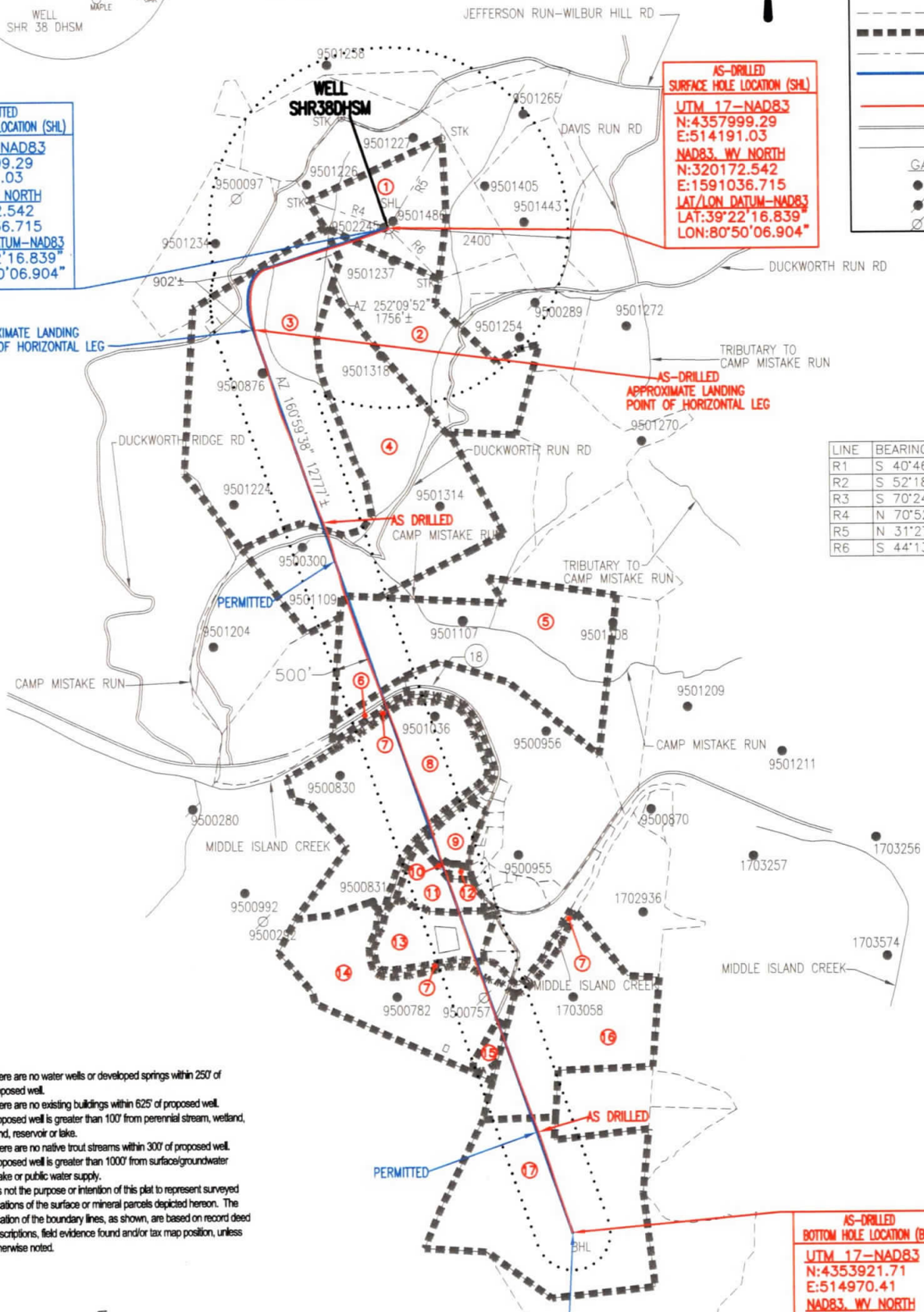


LEGEND	
	- TOPO MAP POINT
	- WELL
	- ALL ARE POINTS UNLESS OTHERWISE NOTED.
	- LEASE NUMBER
	- MINERAL TRACT BOUNDARY
	- PARCEL LINES
	- LEASE BOUNDARY
	- WELL REFERENCE
	- PROPOSED HORIZONTAL WELL
	- AS-DRILLED
	- ROAD
	- STREAM CENTER LINE
GAS WELLS	
	- EXISTING WELLS
	- PLUGGED WELLS
	- ABANDON WELLS

PERMITTED SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83
 N:4357999.29
 E:514191.03
 NAD83, WV NORTH
 N:320172.542
 E:1591036.715
 LAT/LON DATUM-NAD83
 LAT:39°22'16.839"
 LON:80°50'06.904"

AS-DRILLED SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83
 N:4357999.29
 E:514191.03
 NAD83, WV NORTH
 N:320172.542
 E:1591036.715
 LAT/LON DATUM-NAD83
 LAT:39°22'16.839"
 LON:80°50'06.904"

LINE	BEARING	DISTANCE
R1	S 40°46'12" E	146.55'
R2	S 52°18'08" E	173.53'
R3	S 70°24'08" E	150.16'
R4	N 70°52'28" W	1127.53'
R5	N 31°27'12" E	1389.50'
R6	S 44°13'36" E	958.93'



- 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.

AS-DRILLED APPROX. LANDING POINT
 UTM 17-NAD83
 N:4357581.45
 E:513647.74
 NAD83, WV NORTH
 N:318831.156
 E:1589231.013
 LAT/LON DATUM-NAD83
 LAT:39°22'03.316"
 LON:80°50'29.641"

PERMITTED APPROX. LANDING POINT
 UTM 17-NAD83
 N:4357579.22
 E:513641.73
 NAD83, WV NORTH
 N:318824.173
 E:1589211.174
 LAT/LON DATUM-NAD83
 LAT:39°22'03.244"
 LON:80°50'29.892"

PERMITTED BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83
 N:4353920.21
 E:514970.77
 NAD83, WV NORTH
 N:306744.240
 E:1593372.084
 LAT/LON DATUM-NAD83
 LAT:39°20'04.471"
 LON:80°49'34.644"

AS-DRILLED BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83
 N:4353921.71
 E:514970.41
 NAD83, WV NORTH
 N:306749.1920
 E:1593370.9790
 LAT/LON DATUM-NAD83
 LAT:39°20'04.520"
 LON:80°49'34.659"

RECEIVED
 Office of Oil and Gas
 NOV 21 2019
 WV Department of Environmental Protection

API WELL #: 47 95 02569
 STATE COUNTY PERMIT



THRASHER

SEPTEMBER 17, 2019

George D. Six

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4108 • FAX (304) 624-7831

BHL is located on topo map 14,724 feet south of Latitude: 39°22'30"
 SHL is located on topo map 1,332 feet south of Latitude: 39°22'30"

SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL

SEE PAGE 3 FOR SURFACE OWNERS AND LESSORS

AS DRILLED PLAT

SHL is located on topo map 9,793 feet west of Longitude: 80°47'30"
 SHL is located on topo map 542 feet west of Longitude: 80°50'00"

PERMITTED SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83
 N:4357999.29
 E:514191.03
 NAD83, WV NORTH
 N:320172.542
 E:1591036.715
 LAT/LON DATUM-NAD83
 LAT:39°22'16.839"
 LON:80°50'06.904"

AS-DRILLED SURFACE HOLE LOCATION (SHL)
 UTM 17-NAD83
 N:4357999.29
 E:514191.03
 NAD83, WV NORTH
 N:320172.542
 E:1591036.715
 LAT/LON DATUM-NAD83
 LAT:39°22'16.839"
 LON:80°50'06.904"

PERMITTED APPROX. LANDING POINT
 UTM 17-NAD83
 N:4357579.22
 E:513641.73
 NAD83, WV NORTH
 N:318824.173
 E:1589211.174
 LAT/LON DATUM-NAD83
 LAT:39°22'03.244"
 LON:80°50'29.892"

AS-DRILLED APPROX. LANDING POINT
 UTM 17-NAD83
 N:4357581.45
 E:513647.74
 NAD83, WV NORTH
 N:318831.156
 E:1589231.013
 LAT/LON DATUM-NAD83
 LAT:39°22'03.316"
 LON:80°50'29.641"

PERMITTED BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83
 N:4353920.21
 E:514970.77
 NAD83, WV NORTH
 N:306744.240
 E:1593372.084
 LAT/LON DATUM-NAD83
 LAT:39°20'04.471"
 LON:80°49'34.644"

AS-DRILLED BOTTOM HOLE LOCATION (BHL)
 UTM 17-NAD83
 N:4353921.71
 E:514970.41
 NAD83, WV NORTH
 N:306749.1920
 E:1593370.9790
 LAT/LON DATUM-NAD83
 LAT:39°20'04.520"
 LON:80°49'34.659"

RECEIVED
 Office of Oil and Gas

NOV 21 2019

WV Department of
 Environmental Protection

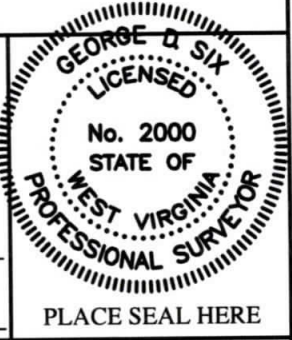
THRASHER

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
 PHONE (304) 624-4108 • FAX (304) 624-7831

FILE #: SHR 38 DHSM AS-DRILLED
 DRAWING #: SHR 38 DHSM AS-DRILLED
 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.: _____ 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: SEPTEMBER 17, 2019
 OPERATOR'S WELL #: SHR 38 DHSM AS-DRILLED
 API WELL #: 47 95 02569
 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: 985.357±

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: TVD: 6,480'± TMD: 20,283'±
 WELL OPERATOR CNX GAS COMPANY LLC DESIGNATED AGENT CHRIS TURNER
 Address 1000 CONSOL ENERGY DRIVE Address 1 DOMINION DR.
 City CANONSBURG State PA Zip Code 15317 City JANE LEW State WV Zip Code 26378

SHR 38 DHSM

PAGE 3 OF 3

AS DRILLED PLAT

	SURFACE OWNER	LESSOR	DIST-TM/PAR
1	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	RICHARD H. METCALF JOHN R. ANDERS II	JOHN MICHAEL LEONIAN	1-16/17
		JOSEPH ROBERT LEONIAN	1-16/21
		MARGO L. KIEHL AND CHARLES F. KIEHL, W/H	
		BERDINA ROSE AND NORMAN W. ROSE, W/H	
		PHILLIP LEONIAN, AKA PHILLIP MARSHALL LEONIAN	
		WARREN RAY BACHELOR, AKA WARREN R. BACHELOR AND GLORIA JEAN BACHELOR, H/W	
		RITA G. JARVIS	
		MIKE ROSS, INC.	
		I.L. MORRIS	
		JO ELLEN HARPER DAY	
		MARY LEE LILLY	
		ARMEN LEONIAN, AKA ARMEN LANHAM LEONIAN	
		JOHN FULTON LEONIAN	
		NILA ASH SAYLOR REVOCABLE TRUST, BY JOSEPH F. SILEX, JR.	
		BAILEY ANN MILLS	
		WILLIAM PAUL HARPER	
		DAVID PAUL LOCOCO	
MARY LYNNE SLATTERY, FKA MARY LYNNE LOCOCO			
DONALD VINCENT LOCOCO			
ROSE MARIE VANHEUVELN			
THERESA LEE ROBERTSON			
MARTHA SUE MUZZO, FKA MARTHA SUE LOCOCO			
MICHELLE LOCOCO BUSHMIRE, FKA MICHELLE LUORETHA BUSHMIRE			
ELIZABETH FLORENCE LOCOCO			
RALPH E. PHILLIPS AND VELINDA PHILLIPS, H/W			
BRC APPALACHIAN MINERALS I, LLC			
BRC APPALACHIAN MINERALS I, LLC			
3	RONALD R. & ROWLAND & REVA D. ROWLAND	JACOB L. DILLON AND EDNA DILLON, H/W	P/O 1-16/20
4	D. RALPH THACKER & J. MAURICE CARLISLE JR.	CHARLES W. HENDERSON AND DOROTHY M. HENDERSON, H/W	1-16/26
		AND CHARLES W. HENDERSON, POWER OF ATTORNEY FOR THE A. L. DOW HEIRS	
		JOHN A. CONKLIN AND JEAN CONKLIN, H/W	
		GEORGE B. CONKLIN AND BETTY M. CONKLIN, H/W	
		BETTY L. CONKLIN	
		ROBERT LEE REED	
		LEWIS H. REED AND CAROL J. REED, H/W	
		KATHY PRANGER	
		VIRGINIA O'REAR AND RALPH O'REAR, W/H	
		ROBERT H. MELVIN	
		BETTY L. MELVIN	
		MARY S. LARTZ AND WILLIAM LARTZ, W/H	
		LILLIAN CRABILL AND WILLIAM CRABILL, W/H	
		MELISSA COLL	
		ROBERT BARTHOLOMEW AND BARBARA BARTHOLOMEW, H/W	
		PHILLIP L. MELVIN	
		JOANNE GREENMAN AND GERALD GREENMAN, H/W	
5	STEVEN E. MALICKI JR. FRED M. DOTSON JR. KAREN DOTSON KEVIN DOTSON STEVEN E. MALICKI JR.	PAUL W. HYLBERT AND CHARLOTTE J. HYLBERT, H/W	1-18/1
6	ROY A CAMPBELL, ET AL	ROY A. CAMPBELL	1-18/17.1
7	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	N/A
8	EDWIN D. MULVAY AND PATRICIA L. MULVAY	EDWIN DELMER MULVAY AND PATRICIA VAUGHN MULVAY	1-18/14
		A. E. PRATT HEIRS, EXECUTED BY JEAN COLE AND ROBERT L. COLE	
		A. E. PRATT HEIRS, EXECUTED BY PATRICIA P. PRATT AND ALLEN T. PRATT	
		A. E. PRATT HEIRS, EXECUTED BY DARRYL A. PRATT	
		A. E. PRATT HEIRS, EXECUTED BY ROBERT F. AND GLENNA Z. PRATT	
		A. E. PRATT HEIRS, EXECUTED BY RICHARD F. MEAD AND MARGARET MEAD	
		A. E. PRATT HEIRS, EXECUTED BY JANET TINGHAM AND ELVIN L. TINGHAM	
		A. E. PRATT HEIRS, EXECUTED BY KENNETH E. PRATT AND LAURA L. PRATT	
		A. E. PRATT HEIRS, EXECUTED BY MALCOLM E. GREENWOOD AND DOROTHY ANN	
		A. E. PRATT HEIRS, EXECUTED BY DONALD E. BORER AND MARY JANE BORER	
A. E. PRATT HEIRS, EXECUTED BY THERESA C. PRATT			
9	JERRY D. & CHRISINA D. MYER AMANDA D. GIST & KYLE J. GIST JEREMY D. MYER	CECILIA LOUISE BOOMER AND JAMES BOOMER, W/H	1-18/26
		WOODBERRY ROYALTY, INC.	1-18/26.3
		NANCY FOUT AND JOHN FOUT, W/H	1-18/26.4
		THERESA MARIE SMITH, SINGLE	
10	JERRY D. & CHRISTINA D. MYER	CECILIA LOUISE BOOMER AND JAMES BOOMER, W/H	1-18/26.2
		WOODBERRY ROYALTY, INC.	
		NANCY FOUT AND JOHN FOUT, W/H	
		THERESA MARIE SMITH, SINGLE	
11	FRED M. DOTSON JR. & LINNEA B. DOTSON KAREN SUE DOTSON FRED M. DOTSON JR. STEVEN E. MALICKI JR.	JERRY D. MYER AND CHRISTINA D. MYER, H/W	1-18/38
		CECILIA LOUISE BOOMER AND JAMES BOOMER, W/H	1-18/31
		WOODBERRY ROYALTY, INC.	
		NANCY FOUT AND JOHN FOUT, W/H	
		THERESA MARIE SMITH, SINGLE	
12	KAREN SUE DOTSON FRED M. DOTSON JR. STEVEN E. MALICKI JR.	KAREN SUE DOTSON	
		FRED M. DOTSON, JR. AND LINNEA B. DOTSON, H/W	
		STEVEN E. MALICKI JR.	
		CECILIA LOUISE BOOMER AND JAMES BOOMER, W/H	
13	THOMAS R. & SHARON L. NUTTER	CECILIA LOUISE BOOMER AND JAMES BOOMER, W/H	1-18/38.1
		WOODBERRY ROYALTY, INC.	
		NANCY FOUT AND JOHN FOUT, W/H	
		THERESA MARIE SMITH, SINGLE	
14	EDWIN D. & PATRICIA L. MULVAY	THOMAS R. NUTTER AND SHARON L. NUTTER, H/W	1-18/13
		MARTHA C. PRICE	
15	EDWIN D. & P. L. MULVAY	EDWIN DELMER MULVAY AND PATRICIA VAUGHN MULVAY	8-3/22
		VIOLETTA ELISE HOKMAN, A/K/A VIOLETTA E. HOKMAN	
16	RALPH MCCUTCHAN II CHIPPS REVOCABLE LIVING TRUST 2004	ANN LENZ DENLINGER, FKA ANN HOKMAN LENZ	8-3/3
		CLARENCE L. HURST AND BETTY ANN	
17	PHYLLIS MARIE STEELE (LIFE)	WILLIAM PAUL MCCUTCHAN AND VIRGINIA B. MCCUTCHAN, H/W	8-3/7
		JACQUELINE L. STANDAER AND WARREN G. STANDAER, W/H	
		MARYLYNN H. ROBERTS AND JOHN E. ROBERTS, W/H	
		J. W. MORTON FIELD	

AS-DRILLED
SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83
N:4357999.29
E:514191.03
NAD83, WV NORTH
N:320172.542
E:1591036.715
LAT/LON DATUM-NAD83
LAT:39°22'16.839"
LON:80°50'06.904"

AS-DRILLED
APPROX. LANDING POINT

UTM 17-NAD83
N:4357581.45
E:513647.74
NAD83, WV NORTH
N:318831.156
E:1589231.013
LAT/LON DATUM-NAD83
LAT:39°22'03.316"
LON:80°50'29.641"

AS-DRILLED
BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83
N:4353921.71
E:514970.41
NAD83, WV NORTH
N:306749.1920
E:1593370.9790
LAT/LON DATUM-NAD83
LAT:39°20'04.520"
LON:80°49'34.659"

PERMITTED
SURFACE HOLE LOCATION (SHL)

UTM 17-NAD83
N:4357999.29
E:514191.03
NAD83, WV NORTH
N:320172.542
E:1591036.715
LAT/LON DATUM-NAD83
LAT:39°22'16.839"
LON:80°50'06.904"

PERMITTED
APPROX. LANDING POINT

UTM 17-NAD83
N:4357579.22
E:513641.73
NAD83, WV NORTH
N:318824.173
E:1589211.174
LAT/LON DATUM-NAD83
LAT:39°22'03.244"
LON:80°50'29.892"

PERMITTED
BOTTOM HOLE LOCATION (BHL)

UTM 17-NAD83
N:4353920.21
E:514970.77
NAD83, WV NORTH
N:306744.240
E:1593372.084
LAT/LON DATUM-NAD83
LAT:39°20'04.471"
LON:80°49'34.644"

API WELL #: 47 95 02569
STATE COUNTY PERMIT

THRASHER

SEPTEMBER 17, 2019

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES
800 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
PHONE (304) 624-4108 • FAX (304) 624-7831

RECEIVED
Office of Oil and Gas
NOV 21 2019
WV Department of
Environmental Protection