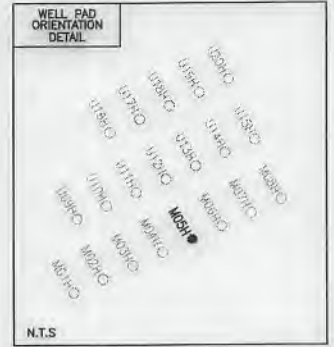
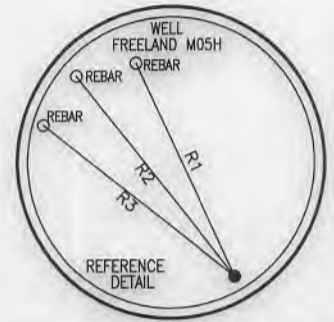


# FREELAND M05H PAGE 2 OF 4



**NOTES:**

1. There are no water wells or developed springs within 250' of proposed well.
2. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
3. There are no native trout streams within 300' of proposed well.
4. Proposed well is greater than 1000' from surface groundwater intake or public water supply.
5. 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.
6. There are no existing buildings within 625' of proposed well.



LINE	BEARING	DISTANCE
R1	N 25°09'35" W	217.31'
R2	N 38°39'46" W	236.72'
R3	N 52°06'26" W	227.05'
R4	N 40°22'58" W	1652.78'
R5	S 20°45'47" E	1811.52'
R6	N 71°48'18" E	1173.78'

**SEE DETAIL "A"**

**SEE DETAIL "B"**

**LEGEND**

- TOPO MAP POINT
- WELL
- ALL ARE POINTS UNLESS OTHERWISE NOTED.
- MINERAL TRACT BOUNDARY
- PARCEL LINES
- WELL REFERENCE
- PROPOSED HORIZONTAL WELL
- ROAD
- STREAM CENTER LINE
- LESSORS
- SURFACE OWNERS
- DETAIL

**GAS WELLS**

- EXISTING WELLS
- PLUGGED WELLS
- ABANDONED WELLS

**SURFACE HOLE LOCATION (SHL)**

UTM 17-NAD83(M)  
N:4413093.48  
E:520432.09

NAD83, WV NORTH  
N:500621.700  
E:1614535.720

**APPROX. LANDING POINT**

UTM 17-NAD83(M)  
N:4412393.41  
E:520096.79

NAD83, WV NORTH  
N:498349.360  
E:1613397.140

**BOTTOM HOLE LOCATION (BHL)**

UTM 17-NAD83(M)  
N:4408865.79  
E:522840.87

NAD83, WV NORTH  
N:486616.440  
E:1622208.290

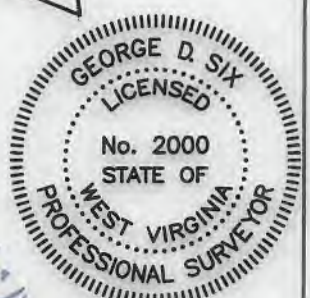
API WELL #: 47 51

STATE COUNTY PERMIT

**OCTOBER 17, 2019**

**THRASHER**

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES  
600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
PHONE: (304) 624-108 • FAX: (304) 624-7831



*George D. Six*

BHL is located on topo map 1,403 feet south of Latitude: 39° 50' 00"  
 SHL is located on topo map 2,683 feet south of Latitude: 39° 52' 30"



SEE PAGE 3 & 4 FOR LESSORS



BHL is located on topo map 6,950 feet west of Longitude: 80° 42' 30"  
 SHL is located on topo map 3,114 feet west of Longitude: 80° 45' 00"

	SURFACE OWNER	DIST-TM/PAR
1	JOSEPH L. FREELAND ET UX	4-7/21
2	BIBIANA DERROW	4-7/32
3	KRISTA JO & DAVID LEE ELLIOTT	4-7/32.2
4	WILLIAM L. & LINDA L. LEMASTERS	4-13/1.7
5	WILLIAM L. LEMASTERS	4-13/1.6
6	WILLIAM L. LEMASTERS	4-13/1.2
7	*WILLIAM L. LEMASTERS	4-13/1.4
8	WILLIAM L. LEMASTERS	4-13/1.5
9	WILLIAM L. LEMASTERS	4-13/1.3
10	CHARLES W. ELLER ET UX	4-13/1.1
11	EUGENE C. & ELIZABETH A. ESTEP	4-13/4.1
12	EUGENE C. & ELIZABETH A. ESTEP	4-13/1
13	SHAWN T. & KELLY J. DANAHEY	4-13/4
14	SHAWN T. DANAHEY ET UX	4-13/4.2
15	TERRY LEE CAMPBELL	4-13/5.6
16	TERRY LEE CAMPBELL	4-13/5.10
17	*LAKEN H. DRAKE	4-13/5
18	RONALD B. & JESSICA A. BONAR	4-13/6
19	*LAKEN HOPE DRAKE & COLBY A. BLACK	4-13/5.11
20	LAKEN H. DRAKE	4-13/5.7
21	JOHN DRAKE ET UX	4-13/5.3
22	*LAKEN H. DRAKE	4-13/5.5
23	LAKEN H. DRAKE	4-13/5.2
24	LAKEN H. DRAKE	4-13/5.8
25	IMOGENE WHITFIELD - LIFE	4-13/21
26	IMOGENE WHITFIELD - LIFE	4-13/23
27	LINDA LEE WILLIAMS - TOD	4-13/25.1
28	LLOYD BAKER	4-13/25.2
29	DONALD WAYT	5-3/3
30	JEFFREY M. LILLEY	5-3/32.11
31	RALPH A. & ELLA BEA CHAPLIN	5-3/32.1
32	DALLAS PAUL RINE	5-3/32.12
33	KEITH A. & STACY HILL	5-3/32.10
34	JOHN ROBERT HILL ET UX - LIFE	5-3/32.4
35	JEFFREY A. SZAFRAN	5-3/6
36	MONTI THOMAS ET AL	5-3/9
37	JOAN JORDAN	5-3/11.1
38	RAYMOND L. & DOROTHY L. MIDCAP	5-3/10
39	RALPH ALLEN & ROBIN HOLMES	5-3/11
40	RALPH ALLEN & ROBIN HOLMES	5-3/12
41	CNX LAND RESOURCES INC	5-3/23
42	GLEN L. CUNNINGHAM ET UX	5-3/14
43	GLENN L. CUNNINGHAM ET UX	5-4/4
44	BRENT C. CUNNINGHAM ET UX	5-3/22

SURFACE HOLE LOCATION (SHL)  
**UTM 17-NAD83(M)**  
**N:4413093.48**  
**E:520432.09**  
 NAD83, WV NORTH  
 N:500621.700  
 E:1614535.720

APPROX. LANDING POINT  
**UTM 17-NAD83(M)**  
**N:4412395.41**  
**E:520096.79**  
 NAD83, WV NORTH  
 N:498349.360  
 E:1613397.140

BOTTOM HOLE LOCATION (BHL)  
**UTM 17-NAD83(M)**  
**N:4408865.79**  
**E:522840.87**  
 NAD83, WV NORTH  
 N:486616.440  
 E:1622208.290

SEE PAGE 2 FOR PLAT DUE TO LENGTH OF LATERAL

**THRASHER**

\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

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

FILE #: FREELAND M05H  
 DRAWING #: FREELAND M05H  
 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



PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP  
 OFFICE OF OIL & GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304



DATE: OCTOBER 17, 2019  
 OPERATOR'S WELL #: FREELAND M05H  
 API WELL #: 47 51 02148 MOD  
 STATE COUNTY PERMIT

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

WATERSHED: SHORT CREEK-OHIO RIVER ELEVATION: 1274.00'

COUNTY/DISTRICT: MARSHALL / CLAY QUADRANGLE: POWHATAN POINT, WV 7.5'

SURFACE OWNER: JOSEPH L. FREELAND ET UX ACREAGE: 104.22±

OIL & GAS ROYALTY OWNER: JOSEPH FREELAND ET UX ACREAGE: 772.319±

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: 6,369'± TMD: 22,065.03'±

WELL OPERATOR CHEVRON APPALACHIA, LLC DESIGNATED AGENT KENNETH E. TAWNEY

Address 700 CHERRINGTON PARKWAY Address 500 LEE STREET, EAST SUITE 1600

City CORAOPOLIS State PA Zip Code 15108 City CHARLESTON State WV Zip Code 25301-3202

# FREELAND M05H PAGE 3 OF 4

	LESSOR	DIST-TM/PAR
A	JOSEPH FREELAND ET UX	4-7/21
B	NORMAN L. DERROW ET UX	4-7/32
C	KRISTA JO ELLIOTT ET VIR	4-7/32.2
D	WILLIAM L. LEMASTERS ET UX	4-13/1.6
E	WILLIAM L. LEMASTERS ET UX	4-13/1.2
F	*EUGENE C. ESTEP ET UX	4-13/1.4
G	EUGENE C. ESTEP ET UX	4-13/1.3
H	EUGENE C. ESTEP ET UX	4-13/1.1
J	EUGENE C. ESTEP ET UX	4-13/4.1
K	EUGENE C. ESTEP ET UX	4-13/1
L	SHAWN T. DANAHEY ET UX	4-13/4
M	SHAWN T. DANAHEY ET UX	4-13/4.2
N	TERRY L. CAMPBELL ET VIR	4-13/5.6
P	TERRY L. CAMPBELL ET VIR	4-13/5.10
Q	*H3 LLC	4-13/5
R	JOHN M. STOCKLASK	4-13/6
S	*STANLEY W. HUNT	4-13/5.11
T	STANLEY W. HUNT	4-13/5.7
U	JOHN DRAKE ET UX	4-13/5.3
V	*H3 LLC	4-13/5.5
W	STANLEY W. HUNT	4-13/5.2
X	STANLEY W. HUNT	4-13/5.8
Y	IMOGENE WHITFIELD	4-13/21
Z	IMOGENE WHITFIELD	4-13/23
AA	CHARLES WILLIAMS ET UX	4-13/25.1
BB	LLOYD G. BAKER	4-13/25.2
CC	DONALD L. WAYT	5-3/3
DD	AMP FUND II GP LLC	5-3/32.11
EE	AMP FUND II GP LLC	5-3/32.1
FF	AMP FUND II GP LLC	5-3/32.12
GG	KEITH A. HILL ET UX	5-3/32.10
HH	CAROL ELLEN HILL	5-3/32.4
	MARK O. HILL	
	MELISSA J. DAVIS	
	KEITH A. HILL	
JJ	CHARLOTTE S. SZAFRAN	5-3/6
	JEFFREY A. SZAFRAN	
	JEFFREY D. ROBINSON UX	
	RANDY D. ROBINSON	
	MARK A. ROBINSON	
	BRIAN FURBEE	
	GREGORY D. FURBEE	
	MARSHA A. SINGER	
	EDMOND J. FURBEE	
	CHRISTOPHER G. FURBEE	
	MATTHEW R. FURBEE	
	DEAN ALAN STARKEY	

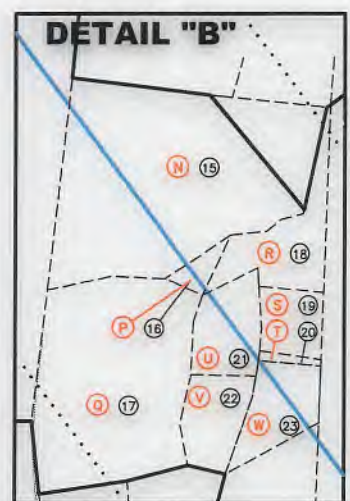
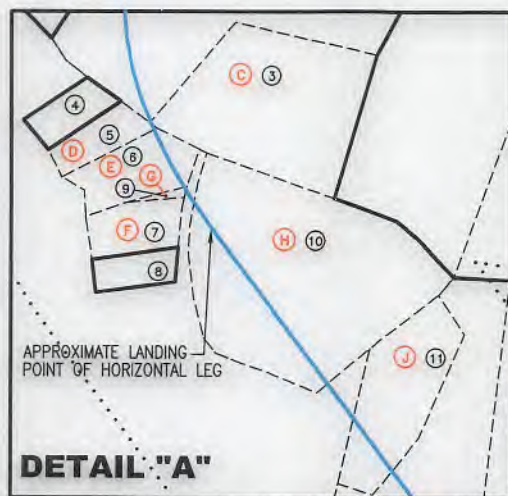
	LESSOR	DIST-TM/PAR
JJ	MAUREEN C. COOPER	5-3/6
CONT.	REXENA A. CUNNINGHAM	
	RICHARD CECIL ET UX	
	SHERRY L. MORRIS	
	WILLIAM R. POLEN	
	DEBBIE MAE MOORE	
	ETHEL E. STARKEY AKA ETHEL ELAINE STARKEY	
	CALLENE M. PETERSON FKA CALLENE M. STARKEY	
	REBECCA JEAN BROWN	
	PAULA J. ROHRER	
	MARLA K. STRUHAR	
	SARAH SISLEY FKA SARAH SALSBERY ET VIR	
	CARALOTTA J. GIBSON FKA CARALOTTA SALSBERY	
	JOHN M. SALSBERY BY JASON L. JACKSON GUARDIAN	
	DELLA J. COVERDALE ET UX	
	TRACY M. SALSBERY AKA TRACY SALSBERY	
	GINGER L. SALSBERY AKA GINGER SALSBERY	
	DALE A. SALSBERY AKA DALE ADORIN SALSBERY	
	JODIE R. MORRIS FKA JODIE SALSBERY	
	BARBARA L. MCGAHA	
	ELAINE M. KEENER	
	SHERRY KAY RISHER	
	SANDRA LEE KNAPSKI	
	BRENT LEE STARKEY	
	FORREST STARKEY ET UX	
	ANITA STANLEY FKA ANITA STARKEY	
	LINDA D. MAYO ET VIR	
	CAROL JEAN MALILKA ALBERT	
	SHARON L. SCHARTIGER	
	JANET SHADDICK	
	DUANE M. STARKEY ET UX	
	REGINA KAY ST GEORGE ET VIR	
	BETTY LOU STARKEY	
	PATTIE S. MADRID FKA PATTIE S. SPEAR	
KK	STEPHEN M. THOMAS ET UX	5-3/9
	R. STEPHEN THOMAS ET UX	
	JOHN RESSEGER	
	LAURA VIRGINIA RESSEGER	
	WILLIAM ELMER RESSEGER	
LL	DOROTHY L. MIDCAP	5-3/10
MM	RALPH ALLEN HOLMES	5-3/11
NN	RALPH ALLEN HOLMES	5-3/12
PP	LARRY E. HILL	5-3/23
	MARY LOU SNYDER	
	PATRICIA A. PEARCE	
	ANDREA EVANS HORTON	
	MARY CATHERINE HOOD	
	BRADLEY R. HIGGINS	
	MICHAEL G. WHITE ET UX	
	BECKY OLIVER	
	GERALD C. OLIVER	
	GERALD CLINTON OLIVER	
	JAMES A. OLIVER	
	JOHN D. OLIVER	
	JOSEPH W. OLIVER	
	LINDA FAYE SCOLICK	

**SURFACE HOLE LOCATION (SHL)**  
**UTM 17-NAD83(M)**  
**N:4413093.48**  
**E:520432.09**  
 NAD83, WV NORTH  
 N:500621.700  
 E:1614535.720

**APPROX. LANDING POINT**  
**UTM 17-NAD83(M)**  
**N:4412395.41**  
**E:520096.79**  
 NAD83, WV NORTH  
 N:498349.360  
 E:1613397.140

**BOTTOM HOLE LOCATION (BHL)**  
**UTM 17-NAD83(M)**  
**N:4408865.79**  
**E:522840.87**  
 NAD83, WV NORTH  
 N:486616.440  
 E:1622208.290

\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE



**OCTOBER 17, 2019**

**THRASHER**

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES  
 600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330  
 PHONE (304) 624-4108 • FAX (304) 824-7831

API WELL #: 47 51 **02148M00**  
 STATE COUNTY PERMIT

# FREELAND

## M05H

### PAGE 4 OF 4

	LESSOR	DIST-TM/PAR
PP	RUTH ANN HARRIGAN	5-3/23
CONT.	GLADYS JANE BALDERSON	
	MARY LYNN JONES	
	KAROL LEE BABLE	
	JOHN G. CALVERT	
	DELORES J. MYERS	
	HEATHER LEE DAVIS	
	JUDITH K. SHARP	
	ROBERT LEO ALLEN	
	WILLIAM SCOTT MILLER ET UX	
	GERALD WAYNE MARTIN	
	PAUL PATTERSON ET UX	
	HUGH LEROY JONES ET UX	
	GARY DAVID ALLEN	
	SUSAN K. IANNARELLI ET VIR	
	ELIZABETH S HUDSON	
	PAMELA MANNELLA ET VIR	
	CARRIE LEE HENDERSON	
	RONALD L. PATTERSON	
	PEGGY MARTIN	
	MARTI JO MARTIN	
	MICHAEL A. MAY	
	DOUGLAS LOUIS WASEMANN	
	CHRISTINA MARIA BINGER	
	JAMES A. WASEMANN	
	HOLLY K. WAYT	
	RICHARD DOUGLAS WAYT	
	CHRISTINE LYNN MARTIN	
	TERRILEE BYLAND	
	GERALDINE ANNE BRACKEN	
	TIMOTHY P. EVANS	
	JAMES ROBERT EVANS SR	
	HEATHER NICOLE EVANS	
	MARGARET ROBERTA DAVIS	
	CARL DUDLEY ALLEN ET UX	
	SUSAN MARIE MCGILL	
	MIKE CHAMBERS	
	DANIEL JOSEPH HAMMEL	
	SANDRA MICHELLE ROBERTS	
	JAMES PATTERSON	
	DAVID ANTHONY HAMMEL SR	
QQ	GLENN L. CUNNINGHAM ET UX	5-3/14
RR	MICHAEL GORDON WHITE ET UX	5-4/4
	DANIEL JOSEPH HAMMEL	
	DAVID ANTHONY HAMMEL SR.	
	JAMES ROBERT EVANS SR.	
	ELIZABETH S. HUDSON	
	PAUL PATTERSON ET UX	
	RONALD L. PATTERSON	
	HEATHER LEE DAVIS	
	JAMES PATTERSON	
	JUDITH PEARCE	
	WENDELL W. JONES SR., ET UX	
	GERALDINE ANNE BRACKEN	
	MARY LOU SNYDER	
	PATRICIA A. PEARCE	
	ANDREA EVANS HORTON	
	MARY CATHERINE HOOD	
	BRADLEY R. HIGGINS	
	TIMOTHY P. EVANS	
	HEATHER NICOLE EVANS	
	BECKY OLIVER	
	GERALD WAYNE MARTIN ET UX	
	GARY D. ALLEN	
	MARTIE JO MARTIN	
	HUGH L. JONES ET UX	
	KAROL L. BABEL	
	WILLIAM S. MILLER ET UX	
	GLADYS JANE BALDERSON	
	MARGARET ROBERTA DAVIS	
	RICHARD DOUGLAS WAYT ET UX	
	RUTH ANN HARRIGAN	
	LINDA FAYE SCOLLIK	
	GERALD CLINTON OLIVER ET UX	

	LESSOR	DIST-TM/PAR
RR	JOSEPH W. OLIVER	5-4/4
CONT.	JUDITH K. SHARP	
	GERALD C. OLIVER ET UX	
	CARL ALLEN ET UX	
	HOLLY K. WAYT	
	JOHN D. OLIVER	
	MICHAEL CHAMBERS	
	TED IANNARELLI ET UX	
	CARRIE LEE HENDERSON	
	JAMES A. OLIVER	
	SUSAN M. MCGILL	
	MICHAEL A. MAY	
	ROBERT LEO ALLEN ET UX	
	LAWRENCE MANNELLA ET UX	
	PEGGY MARTIN	
	GLENN L. CUNNINGHAM ET UX	
	DELORES J. MYERS	
	JOHN G. CALVERT	
	FORREST MILLER	
SS	BRENT C. CUNNINGHAM ET UX	5-3/22
	GERALDINE ANNE BRACKEN	
	MARY LOU SNYDER	
	PATRICIA A. PEARCE	
	ANDREA EVANS HORTON	
	MARY CATHERINE HOOD	
	BRADLEY R. HIGGINS	
	TIMOTHY P. EVANS	
	HEATHER NICOLE EVANS	
	FORREST MILLER	
	DELORES J. MYERS	
	JOHN G. CALVERT	
	BECKY OLIVER	
	GERALD WAYNE MARTIN	
	GARY DAVID ALLEN	
	MARTI JO MARTIN	
	HUGH LEROY JONES ET UX	
	KAROL LEE BABLE	
	WILLIAM SCOTT MILLER ET UX	
	GLADYS JANE BALDERSON	
	MARGARET ROBERTA DAVIS	
	JUDITH PEARCE	
	RICHARD DOUGLAS WAYT	
	RUTH ANN HARRIGAN	
	LINDA FAYE SCOLLIK	
	GERALD C. OLIVER	
	JOSEPH W. OLIVER	
	JUDITH K. SHARP	
	GERALD CLINTON OLIVER	
	WENDELL W. JONES SR ET UX	
	CARL DUDLEY ALLEN ET UX	
	HOLLY K. WAYT	
	JOHN D. OLIVER	
	MIKE CHAMBERS	
	TED IANNARELLI ET UX	
	CARRIE LEE HENDERSON	
	JAMES A. OLIVER	
	SUSAN MARIE MCGILL	
	MICHAEL A. MAY	
	ROBERT LEO ALLEN	
	LAWRENCE MANNELLA ET UX	
	PEGGY MARTIN	
	MICHAEL G. WHITE ET UX	
	DANIEL JOSEPH HAMMEL	
	DAVID ANTHONY HAMMEL SR	
	JAMES ROBERT EVANS SR	
	ELIZABETH S. HUDSON	
	PAUL PATTERSON ET UX	
	RONALD L. PATTERSON	
	HEATHER LEE DAVIS	
	JAMES PATTERSON	

\* - DENOTES PARCEL WITHIN 30 FEET OF PLANNED WELL BORE

SURFACE HOLE LOCATION (SHL)
UTM 17-NAD83(M) N:4413093.48 E:520432.09
NAD83, WV NORTH N:500621.700 E:1614535.720

APPROX. LANDING POINT
UTM 17-NAD83(M) N:4412395.41 E:520096.79
NAD83, WV NORTH N:498349.360 E:1613397.140

BOTTOM HOLE LOCATION (BHL)
UTM 17-NAD83(M) N:4408865.79 E:522840.87
NAD83, WV NORTH N:486616.440 E:1622208.290

# THRASHER

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

**OCTOBER 17, 2019**

API WELL #: 47 51 02148 Mon  
STATE COUNTY PERMIT