

BIG177H15
BIG177
EQT PRODUCTION COMPANY

TAG	TAX MAP/PL	SURFACE OWNERS	ACREAGE
A	G-TM-8-09	ROBERT W. DULANEY	22.87 AC±
B	G-TM-2-10	HARLEY R. DULANEY, JR.	38.00 AC±
C	G-TM-5-10-1	TEORA L. & SANDRA J. DULANEY	1.53 AC±
D	G-TM-2-10-2	ROBERT W. DULANEY	0.45 AC±
E	G-TM-2-10-4	ROBERT W. DULANEY	9.09 AC±
F	G-TM-2-10-4	HARLEY R. DULANEY, JR.	0.18 AC±
G	G-TM-2-11	EDWIN LEO & LINDA L. DULANEY	28.4 AC±
H	G-TM-2-12	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	3.23 AC±
I	G-TM-2-12-1	TEORA L. & SANDRA J. DULANEY	4.72 AC±
J	G-TM-2-12-2	TEORA L. & SANDRA J. DULANEY	66.84 AC±
K	G-TM-2-13	ROBERT W. DULANEY	2.14 AC±
L	G-TM-2-14	TEORA L. & SANDRA J. DULANEY	0.286 AC±
M	G-TM-2-15	TEORA L. & SANDRA J. DULANEY	1.023 AC±
N	G-TM-2-16	TEORA L. DULANEY	3.187 AC±
O	G-TM-3-05	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	179.00 AC±
P	G-TM-3-13	EDWARD L. DULANEY	154.75 AC±
Q	G-TM-3-14	DOUGLAS J. STONBERG	79.50 AC±
R	G-TM-3-23	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	197.75 AC±
S	G-TM-3-24	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	35.08 AC±
T	G-TM-7-01	ROBERT W. DULANEY	19.90 AC±
U	G-TM-7-02-1	HARLEY R. DULANEY, JR.	2.80 AC±
V	G-TM-7-02-2	CODY N. & WALTER N. JR. MORRIS	2.43 AC±
W	G-TM-7-02	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	178 AC±
X	G-TM-7-02-1	ROBERT W. DULANEY	3.00 AC±
Y	G-TM-7-03-2	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	169.88 AC±
Z	G-TM-7-9	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	170.675 AC±
AA	G-TM-7-10	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	129.80 AC±
BB	G-TM-7-32	STELLA & LEON POSTDETRAWIT, ET AL.	28.46 AC±
CC	G-TM-7-33	JOHN P. & ROSA MARIE LEEA COOK	20.00 AC±
DD	G-TM-7-34	KENNETH & LORRAINE WIDMAN	44.20 AC±
EE	G-TM-7-60	CODY N. & WALTER N. JR. MORRIS	10.00 AC±
FF	G-TM-8-16	C. J. & MINNIE M. WYATT HEIBS	25.48 AC±
GG	G-TM-8-17	KENNETH & LORRAINE WIDMAN	29.88 AC±
HH	G-TM-8-01	DARIN STOCKSBAUER	17.00 AC±
II	G-TM-8-10	GARLAND E. WINDR	48.18 AC±

TAG	TAX MAP/PL	SURFACE OWNERS	ACREAGE
JJ	G-TM-8-18	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	337.80 AC±
KK	G-TM-8-19	PHILIP & KIMBERLY SHREVE	86.48 AC±
LL	G-TM-8-23	DALL DULANEY ET AL.	70.81 AC±
MM	G-TM-8-24	HALLIE HARDARGER	54.01 AC±
NN	G-TM-8-25	DEBORAH FRUNZEL ET AL.	15.50 AC±
OO	G-TM-8-26	JAMES L. & KAREN DULANEY	16.10 AC±
PP	G-TM-8-27	JAMES L. & KAREN DULANEY	14.10 AC±
QQ	G-TM-8-28	DALE K. & SHARON L. DULANEY	288.2 AC±
RR	G-TM-8-43	JUDY K. UTT	3.25 AC±
SS	G-TM-8-66	HIGGINS CHAPEL CHURCH OF CHRIST	0.29 AC±
TT	G-TM-8-64	MARY EASTHAM ET AL.	1.45 AC±
UU	G-TM-8-65	KEY & TINA WILLEY	2.15 AC±
VV	G-TM-8-66	DOM GATHERING OPOC LLC	0.42 AC±
WW	G-TM-13-04	JEFF VIRGIL, JR. & DONNAH WILLEY	258.0 AC±
XX	G-TM-13-04.1	JEFFERY L. WILLEY	1.33 AC±
YY	G-TM-13-06	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	217.18 AC±
ZZ	G-TM-13-06.1	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	55.08 AC±
AAA	G-TM-13-07	MANSEL McDIRPITT ET AL.	51.8 AC±
BBB	G-TM-13-12	LESLIE LYDICK & SUSAN MIRACLE	5.2 AC±
CCC	G-TM-13-13	LEEMAN E. & LINDA L. DUMM	47.5 AC±
DDD	G-TM-13-14	LEEMAN E. & LINDA L. DUMM	47.5 AC±
EEE	G-TM-13-15	ROBERT COLE ET AL.	27.75 AC±

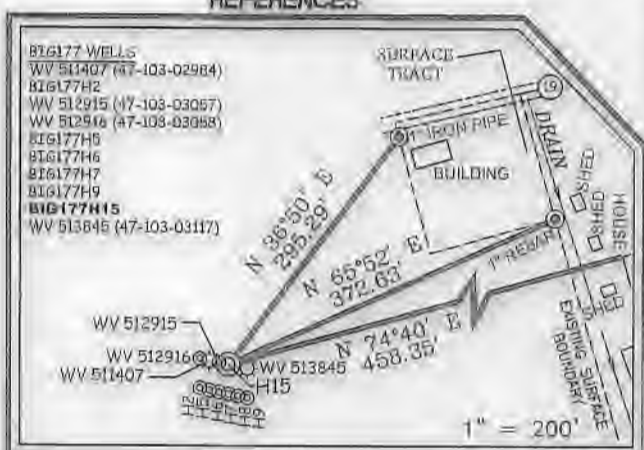
02/15/2019

ROYALTY OWNERS			
ET BLUE GRASS, LLC ET AL.	15 AC±	LEASE NO. 121102	
EQT PRODUCTION COMPANY	300 AC±	LEASE NO. 102894	
JOSEPH LEBIBEN & MINNIE SHIBEN ESTATE ET AL.	1030 AC±	LEASE NO. 102814	

NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS 2500 SQ. FT. OR GREATER WERE FOUND WITHIN 525' OF THE CENTER OF PROPOSED WELL PAD. SEE REFERENCE BOX FOR DWELLING WITHIN 525' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE (SHEET 3) AND TOP MARK (SHEETS 1, 2 & 3) SCALE IS 1" = 2000'.

REFERENCES



(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD27 S.P.C.(FT)	N. 395,784.07	E. 1,894,460.35
NAD27 GEO.	LAT. (N) 39.582858	LONG. (W) 80.564050
NAD83 UTM (M)	N. 4,381,519.735	E. 595,735,680

LANDING POINT

NAD27 S.P.C.(FT)	N. 395,818.12	E. 1,894,813.32
NAD27 GEO.	LAT. (N) 39.589389	LONG. (W) 80.562922
NAD83 UTM (M)	N. 4,382,277.302	E. 595,820,083

BOTTOM HOLE

NAD27 S.P.C.(FT)	N. 405,333.76	E. 1,891,915.67
NAD27 GEO.	LAT. (N) 39.607717	LONG. (W) 80.534555
NAD83 UTM (M)	N. 4,384,306.812	E. 634,322,073

SLS
Land & Energy Development
Solutions from the ground up.
P.O. Box 1571 • Vashon Blvd. • Chesapeake, WV 26834 • (204) 362-5524
www.slsurveys.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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. *C. Victor Moyers*
849



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE MAY 4 20 17
REVISED 8/07/17, 12/05/17, 12/12/18
OPERATORS WELL NO. BIG177H15
API WELL NO. 47-103-03191
STATE 47 COUNTY 103 PERMIT 03191

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 6806PBIG177H15R3.dwg
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE SEE NOTE 2

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

WELL TYPE: OIL GAS LIQUID WASTE IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION: PAD ELEVATION 811' WATERSHED WILLEY FORK OF NORTH FORK FISHING CREEK
DISTRICT GRANT COUNTY WETZEL QUADRANGLE BIG-RUN 7.5'
SURFACE OWNER COASTAL FOREST RESOURCES CO. d/b/a COASTAL TIMBERLANDS CO. ACREAGE 27± OF 217±
ROYALTY OWNER HIGGINS FAMILY TRUST ACREAGE 242.5
PROPOSED WORK: LEASE NO. 103021
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
ESTIMATED DEPTH 6,881'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JASON RANSON
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLAGE P.O. BOX 280 BRIDGEPORT, WV 26330

COUNTY NAME
PERMIT

BIG177H15
BIG177
EQT PRODUCTION COMPANY

BOTTOM HOLE LATITUDE 39°37'30"

3,182'

TH

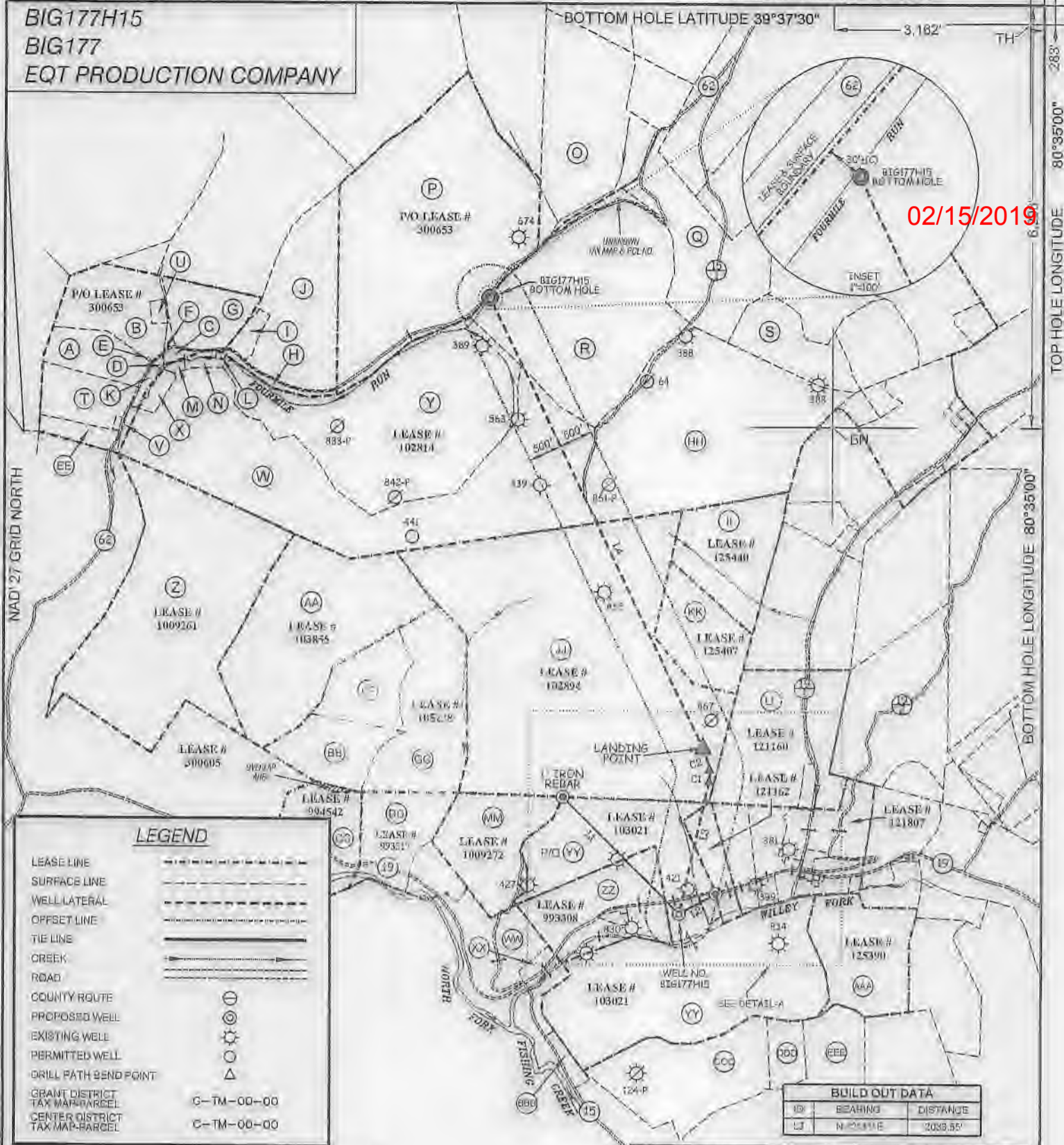
283'

TOP HOLE LONGITUDE 80°35'00"

BOTTOM HOLE LONGITUDE 80°35'00"

02/15/2019

NAD 27 GRID NORTH



LEGEND

- LEASE LINE
- SURFACE LINE
- WELL/LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- GRILL PATH BEND POINT
- GRANT DISTRICT TAX MAP-PARCEL G-TM-00-00
- CENTER DISTRICT TAX MAP-PARCEL C-TM-00-00

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT) N. 396,134.07 E. 1,694,465.38
 NAD'27 GEO. LAT-(N) 39.582568 LONG-(W) 80.564060
 NAD'83 UTM (M) N. 4,381,518.733 E. 535,736.600

LANDING POINT

NAD'27 S.P.C.(FT) N. 396,616.12 E. 1,694,813.32
 NAD'27 GEO. LAT-(N) 39.589339 LONG-(W) 80.562922
 NAD'83 UTM (M) N. 4,382,277.302 E. 535,830.083

BOTTOM HOLE

NAD'27 S.P.C.(FT) N. 405,333.10 E. 1,691,616.57
 NAD'27 GEO. LAT-(N) 39.607717 LONG-(W) 80.592955
 NAD'83 UTM (M) N. 4,384,306.812 E. 534,822.073

BUILD OUT DATA

ID	BEARING	DISTANCE
L1	N 20°11'E	2039.55'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	178.28'	571.51'	N 07°29'42"E	177.08'
C2	337.18'	1071.77'	N 16°58'32"W	326.79'

LATERAL DATA

ID	BEARING	DISTANCE
L1	N 25°27'W	7437.08'

WELL TIES

ID	BEARING	DISTANCE
L1	N 44°54'W	2463.04'
L2	N 60°35' E	623.81'

SLS
Land & Energy Development
 Solutions from the ground up.
 P.O. Box 152 & 12 Veterans Express, Greenville, WV 26331 • (304) 402-5034
 www.slsenergy.com



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

FILE NO. 6806PBIG177H15R3.dwg SCALE 1" = 2000'
 DATE MAY 4, 2017
 REVISED 8/07/17, 12/05/17, 12/12/18
 OPERATORS WELL NO. BIG177H15

API WELL NO. **47-103-03191**
 STATE COUNTY PERMIT

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



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. **C. Victor Moyers**
 849

WELL OPERATOR **EQT PRODUCTION COMPANY**
 ADDRESS **115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330**

DESIGNATED AGENT **JASON RANSON**
 ADDRESS **115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330**

COUNTY NAME
 PERMIT

BIG177H15
BIG177
EQT PRODUCTION COMPANY

BOTTOM HOLE LATITUDE 39°37'30"

3,162'

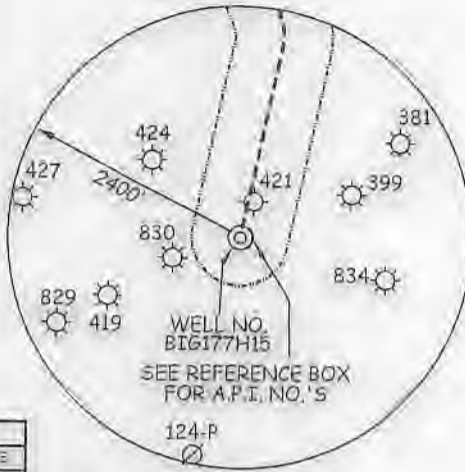
TH

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD27 S.P.C.(FT) N. 309,134.07 E. 1,694,465.68
 NAD27 GEO. LAT-(N) 39.582558 LONG-(W) 80.584958
 NAD83 UTM (M) N. 4,381,018.733 E. 535,736.690
LANDING POINT
 NAD27 S.P.C.(FT) N. 398,618.12 E. 1,694,813.32
 NAD27 GEO. LAT-(N) 39.589380 LONG-(W) 80.582922
 NAD83 UTM (M) N. 4,382,277.302 E. 535,830.083
BOTTOM HOLE
 NAD27 S.P.C.(FT) N. 405,393.10 E. 1,691,616.57
 NAD27 GEO. LAT-(N) 39.607717 LONG-(W) 80.584666
 NAD83 UTM (M) N. 4,384,306.818 E. 534,822.073

02/15/2019

LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- GREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- DRILL PATH BEND POINT
- GRANT DISTRICT TAX MAP-PARCEL G-TM-00-00
- CENTER DISTRICT TAX MAP-PARCEL C-TM-00-00

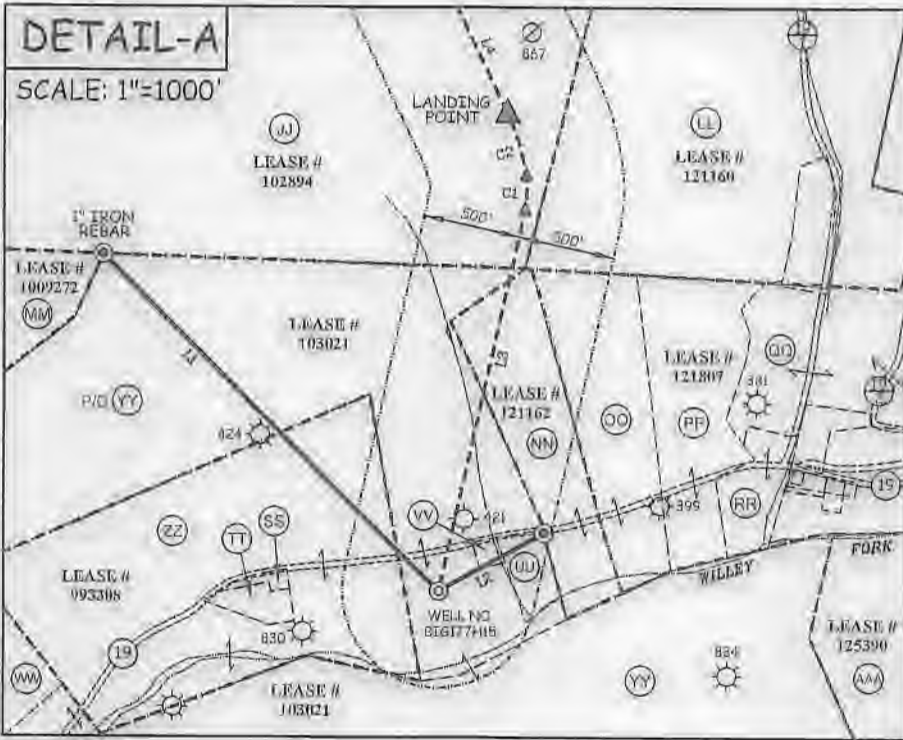


BUILD OUT DATA		
ID	BEARING	DISTANCE
L5	N 12°21' E	2033.55'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	175.88"	571.61'	N 40°29'12" E	177.88'
C2	387.18"	1071.77'	N 16°53'32" W	388.79'

LATERAL DATA		
ID	BEARING	DISTANCE
L4	N 28°27' W	7437.00'

WELL TIES		
ID	BEARING	DISTANCE
L1	N 44°54' W	2489.04'
L2	N 60°19' E	623.61'



SLS
Land & Energy Development
 Solutions from the ground up.
 P.O. Box 180 • 12 Vanhook Drive • Glenville, WV 26034 • (304) 462-5894
 www.slsurveyors.com



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 FILE NO. 5806PBIG177H15R3.dwg SCALE 1" = 2000'
 DATE MAY 4, 20 17
 REVISED 8/07/17, 12/05/17, 12/12/18
 OPERATORS WELL NO. BIG177H15

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 849 *C. Victor Moyers*

API WELL NO. 47 - 103 - 03191
 STATE COUNTY PERMIT

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



WELL OPERATOR EQT PRODUCTION COMPANY
 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280
 BRIDGEPORT, WV 26330

DESIGNATED AGENT JASON RANSON
 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280
 BRIDGEPORT, WV 26330

COUNTY NAME

PERMIT

NAD 27 GRID NORTH

BOTTOM HOLE LONGITUDE 80°35'00"

TOP HOLE LONGITUDE 80°35'00"