

**BIG177
BIG177H6
EQT PRODUCTION COMPANY**

BOTTOM HOLE LATITUDE

39°37'30"

5,969'

5,971'

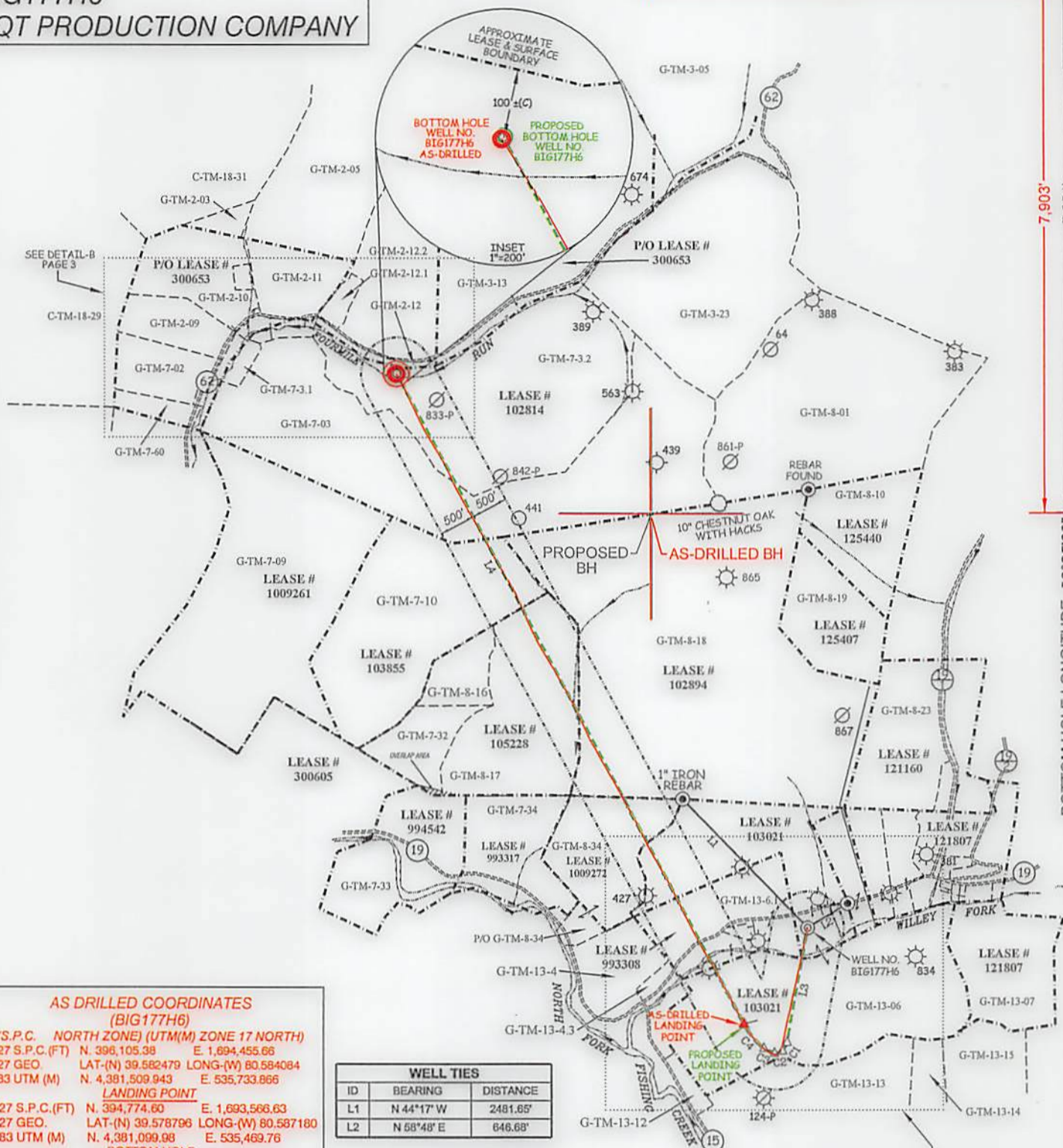
TOP HOLE LONGITUDE 80°35'00"

7,903'

7,901'

BOTTOM HOLE LONGITUDE 80°35'00"

NAD'27 GRID NORTH



**AS DRILLED COORDINATES
(BIG177H6)**

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

NAD'27 S.P.C.(FT) N. 396,105.38 E. 1,694,455.66
 NAD'27 GEO. LAT-(N) 39.582479 LONG-(W) 80.584084
 NAD'83 UTM (M) N. 4,381,509.943 E. 535,733.866

LANDING POINT

NAD'27 S.P.C.(FT) N. 394,774.60 E. 1,693,566.63
 NAD'27 GEO. LAT-(N) 39.578796 LONG-(W) 80.587180
 NAD'83 UTM (M) N. 4,381,099.98 E. 535,469.76

BOTTOM HOLE

NAD'27 S.P.C.(FT) N. 403,760.28 E. 1,68,8787.67
 NAD'27 GEO. LAT-(N) 39.603304 LONG-(W) 80.604526
 NAD'83 UTM (M) N. 4,383,813.22 E. 533,968.19

WELL TIES

ID	BEARING	DISTANCE
L1	N 44°17' W	2481.65'
L2	N 58°48' E	646.68'

BUILD OUT DATA

ID	BEARING	DISTANCE
L3	S 10°14' W	1610.44'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	138.96'	210.13'	S 28°43'37" W	136.44'
C2	123.81'	144.15'	S 75°28'28" W	120.04'
C3	165.20'	358.06'	N 65°43'51" W	163.74'
C4	423.95'	969.65'	N 39°22'32" W	420.59'

LATERAL DATA

ID	BEARING	DISTANCE
L4	N 28°30' W	10194.71'

AS-DRILLED TOTAL LATERAL LENGTH = 10,185.65'

SLS
Land & Energy Development
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www.slsurveys.com

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LANDING POINT

NAD'27 S.P.C.(FT) N. 394,760.95 E. 1,693,576.13
 NAD'27 GEO. LAT-(N) 39.578759 LONG-(W) 80.587146
 NAD'83 UTM (M) N. 4,381,095.869 E. 535,472.722

BOTTOM HOLE

NAD'27 S.P.C.(FT) N. 403,762.36 E. 1,688,790.01
 NAD'27 GEO. LAT-(N) 39.603310 LONG-(W) 80.604518
 NAD'83 UTM (M) N. 4,383,813.868 E. 533,968.888



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

LEGEND

- LEASE LINE
- SURFACE LINE
- PROPOSED WELL
- LATERAL
- AS-DRILLED WELL
- LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- GRANT DISTRICT TAX MAP-PARCEL G-TM-00-00
- CENTER DISTRICT TAX MAP-PARCEL C-TM-00-00

SCALE 1" = 2000' FILE NO. 6806PBIG177H6AD.dwg

DATE MAY 4, 20 17

REVISED 12/05/17 & 02/20/18

OPERATORS WELL NO. BIG177H6

API WELL NO. 47 — 103 — 03190

WELL OPERATOR EQT PRODUCTION COMPANY

ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

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



DESIGNATED AGENT JASON RANSON

ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

COUNTY NAME

PERMIT

BIG177
BIG177H6
EQT PRODUCTION COMPANY

BOTTOM HOLE LATITUDE

39°37'30"

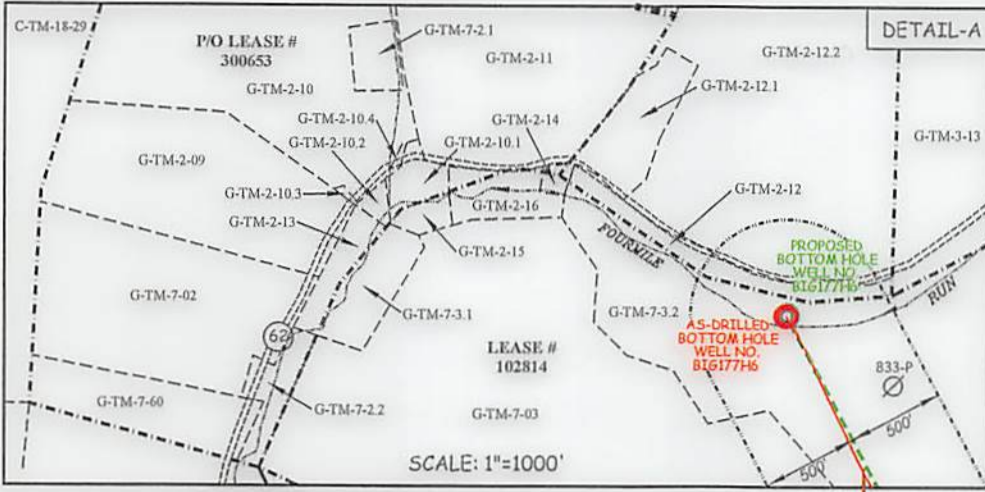
5,969'
5,971'

TH

TOP HOLE LONGITUDE 80°35'00"

BOTTOM HOLE LONGITUDE 80°35'00"

NAD 27 GRID NORTH



WELL TIES		
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BUILD OUT DATA		
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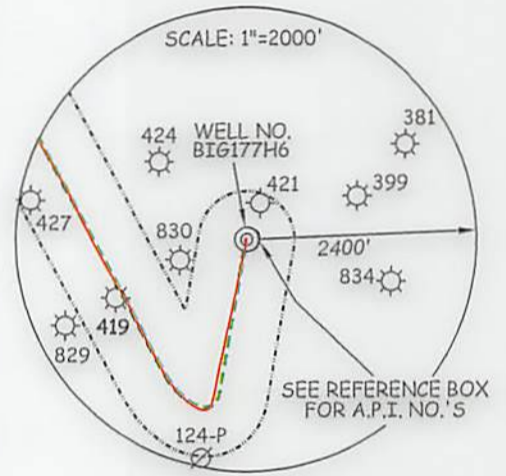
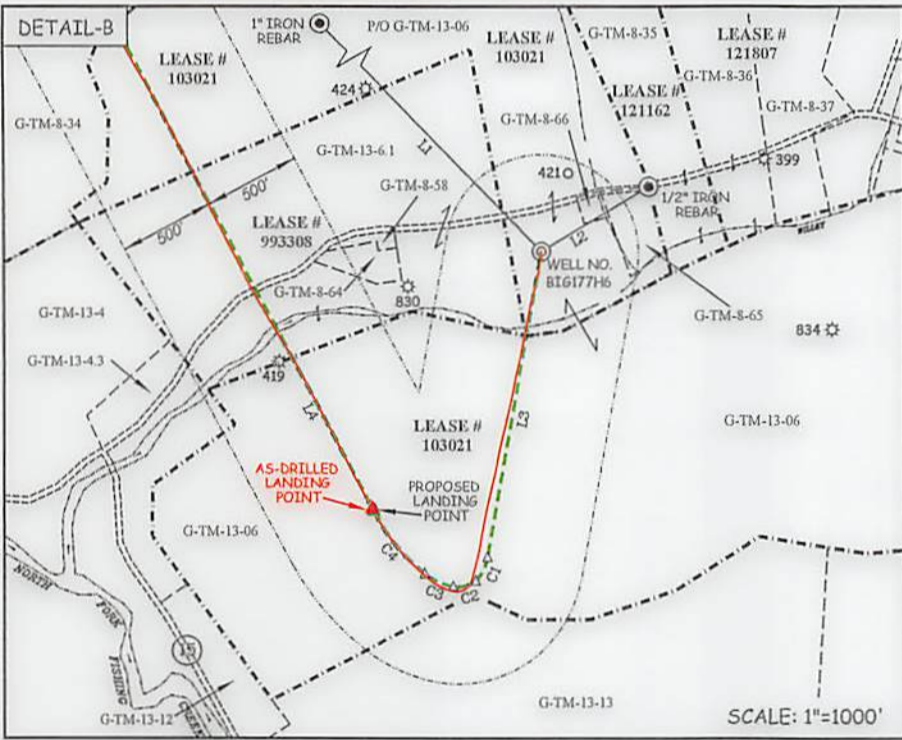
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LATERAL DATA		
ID	BEARING	DISTANCE
L4	N 28°30' W	10194.71'

AS-DRILLED TOTAL LATERAL LENGTH = 10,185.65'

PROPOSED BH AS-DRILLED BH

ROYALTY OWNERS		
COASTAL FOREST RESOURCES CO. d/b/a COASTAL TIMBERLAND CO., ET AL	57.5 AC.±	LEASE NO. 993308
KEVIN GOFF	48.25 AC.±	LEASE NO. 1009272
EQT PRODUCTION COMPANY	300 AC.±	LEASE NO. 102894
IRREVOCABLE INTERVIVOS TRUST OF BILLY J. HIGGINS & FRANCES J. HIGGINS, ET AL	142.5 AC.±	LEASE NO. 105228
SHIBEN ESTATES INC.	101 AC.±	LEASE NO. 103855
JOSEPH SHIBEN & MINNIE SHIBEN ESTATE, ET AL	1030 AC.±	LEASE NO. 102814



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VICTOR MOYERS
LICENSED
No. 849
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

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

LEGEND	
LEASE LINE	---
SURFACE LINE	---
PROPOSED WELL	---
LATERAL	---
AS-DRILLED WELL	---
LATERAL	---
OFFSET LINE	---
TIE LINE	---
CREEK	---
ROAD	---
COUNTY ROUTE	⊕
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
GRANT DISTRICT TAX MAP-PARCEL	G-TM-00-00
CENTER DISTRICT TAX MAP-PARCEL	C-TM-00-00

SCALE SEE DETAILS FILE NO. 6806PBIG177H6AD.dwg
DATE MAY 4, 20 17
REVISED 12/05/17 & 02/20/18
OPERATORS WELL NO. BIG177H6
API WELL NO. 47 - 103 - 03190
NO. STATE COUNTY PERMIT

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

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

COUNTY NAME PERMIT

BIG177
BIG177H6
EQT PRODUCTION COMPANY

BOTTOM HOLE LATITUDE

39°37'30"

5,969'

5,971'

TH

80°35'00"

80°35'00"

7,903'

7,901'

SURFACE OWNERS

G-TM-2-03	DALE K. DULANEY ET UX	5.57 ACRES±	G-TM-7-32	STELLA & LEEK POSTLETHWAIT ET AL.	44.60 ACRES±
G-TM-2-04	JOHN C. COMER ET UX	104.00 ACRES±	G-TM-7-33	JOHN R. & ROSA MARGELLEA COOK	20 ACRES±
G-TM-2-05	EDWIN L. DULANEY ET UX	104.00 ACRES±	G-TM-7-34	KENNETH & LORRAINE WILDMAN	44.60 ACRES±
G-TM-2-09	ROBERT W. DULANEY	22.87 ACRES±	G-TM-7-60	CODY N. & WALTER N., JR. NORRIS	10 ACRES±
G-TM-2-10	HARLEY R. DULANEY	38 ACRES±	G-TM-8-16	O J. & MINNIE M. WYATT HEIRS	31.89 ACRES±
G-TM-2-10.1	TEORA L. & SANDRA J. DULANEY	1.53 ACRES±	G-TM-8-17	KENNETH & LORRAINE WILDMAN	67 ACRES±
G-TM-2-10.2	ROBERT W. DULANEY	.45 ACRES±	G-TM-8-18	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	337 ACRES±
G-TM-2-10.3	ROBERT W. DULANEY	.09 ACRES±			
G-TM-2-10.4	HARLEY R. DULANEY	0.130 ACRES±	G-TM-8-19	PHILLIP & KIMBERLY SHREVE	46.45 ACRES±
G-TM-2-11	EDWIN LEO & LINDA L. DULANEY	26.4 ACRES±			
G-TM-2-12	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	3.63 ACRES±	G-TM-8-23	DALE DULANEY ET AL.	70.81 ACRES±
			G-TM-8-34	HALLIE HARDBARGER	54.01 ACRES±
			G-TM-8-35	DEBORAH FRONCZEK ET AL.	15.5 ACRES±
G-TM-2-12.1	TEORA L. & SANDRA DULANEY	4.72 ACRES±	G-TM-8-58	HIGGINS CHAPEL CHURCH OF CHRIST	0.99 ACRES±
G-TM-2-12.2	TEORA & SANDRA DULANEY	66.64 ACRES±	G-TM-8-64	MARY EASTHAM ET AL.	1.45 ACRES±
G-TM-2-13	ROBERT W. DULANEY	2.14 ACRES±	G-TM-8-65	IKEY & TINA WILLEY	2.15 ACRES±
G-TM-2-14	TEORA L. & SANDRA J. DULANEY	498 ACRES±	G-TM-8-66	BQM GATHERING OPOC LLC	0.42 ACRES±
G-TM-2-15	TEORA L. & SANDRA J. DULANEY	1.023 ACRES±	G-TM-13-4	JEFF, VIRGIL, JR. & DONNA WILLEY	26.80 ACRES±
G-TM-2-16	TEORA L. DULANEY	3.187 ACRES±	G-TM-13-4.3	JEFFERY L. WILLEY	3.35 ACRES±
G-TM-3-05	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	179.00 ACRES±	G-TM-13-06	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	217.19 ACRES±
G-TM-3-13	EDWARD L. DULANEY II	164.75 ACRES±	G-TM-13-6.1	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	55.06 ACRES±
G-TM-3-23	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	167.75 ACRES±			
G-TM-7-02	ROBERT W. DULANEY	19.43 ACRES±	G-TM-13-07	MANSEL McDIFFITT ET AL.	51.8 ACRES±
G-TM-7-2.1	HARLEY R. DULANEY, JR.	2 ACRES±	G-TM-13-12	LESLIE & MIRACLE SUSAN LYDICK	15.02 ACRES±
G-TM-7-2.2	CODY N. & WALTER N., JR. NORRIS	2.43 ACRES±	G-TM-13-13	LEEMAN E. & LINDA L. DUNN	67.5 ACRES±
G-TM-7-03	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	178 ACRES±	G-TM-13-14	LEEMAN E. & LINDA L. DUNN	12.5 ACRES±
			G-TM-13-15	ROBERT COLE ET AL.	27.75 ACRES±
G-TM-7-3.1	ROBERT W. DULANEY	4 ACRES±	C-TM-18-29	BERNARD LEE, JR. & EVELYN M. YOHO	372.90 ACRES±
G-TM-7-3.2	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	156.98 ACRES±	C-TM-18-31	JAMES L. DULANEY, (L/E) DONALD & OLIVE DULANEY	130 19/32 ACRES±
G-TM-7-9	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	170.875 ACRES±			
G-TM-7-10	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	120 ACRES±			

AS-DRILLED BH

BH

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS 2500 SQ. FT. OR GREATER WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD. SEE REFERENCE BOX FOR DWELLING WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
2. WELL SPOT CIRCLE (SHEET 3) AND TOPO MARK SCALE IS 1" = 2000'.
3. AS DRILLED INFORMATION PROVIDED BY EQT.

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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*



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

DATE MAY 4, 20 17

REVISED 12/05/17 & 02/20/18

OPERATORS WELL NO. BIG177H6

API WELL NO. 47 - 103 - 03190

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 6806PBIG177H6AD.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 INJECTION WASTE DISPOSAL 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 ET AL. 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 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280

BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

COUNTY NAME

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