

BIG177H2
EQT PRODUCTION COMPANY

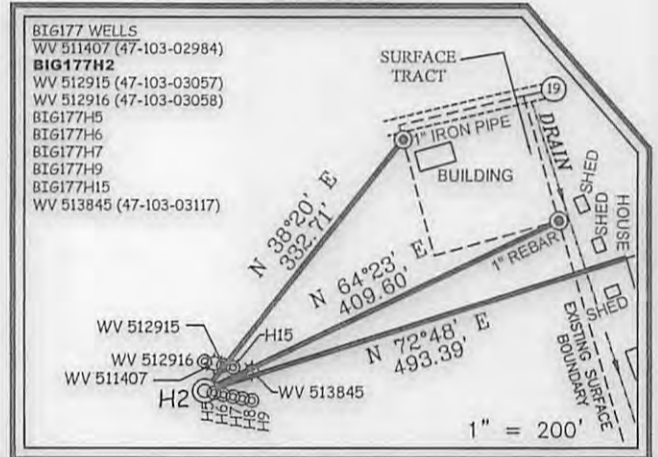
SURFACE OWNERS

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 I. 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-2-11	EDWIN LEO & LINDA L. DULANEY	26.4 ACRES±	G-TM-8-19	PHILLIP & KIMBERLY SHREVE	46.45 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-2-12.1	TEORA L. & SANDRA DULANEY	4.72 ACRES±	G-TM-8-35	DEBORAH FRONCZEK ET AL	15.5 ACRES±
G-TM-2-12.2	TEORA & SANDRA DULANEY	66.64 ACRES±	G-TM-8-58	HIGGINS CHAPEL CHURCH OF CHRIST	0.99 ACRES±
G-TM-2-13	ROBERT W. DULANEY	2.14 ACRES±	G-TM-8-64	MARY EASTHAM ET AL	1.45 ACRES±
G-TM-2-14	TEORA L. & SANDRA J. DULANEY	.498 ACRES±	G-TM-8-65	IKBY & TINA WILLEY	2.15 ACRES±
G-TM-2-15	TEORA L. & SANDRA J. DULANEY	1.023 ACRES±	G-TM-8-66	EQM GATHERING OPOC LLC	0.42 ACRES±
G-TM-2-16	TEORA L. DULANEY	3.187 ACRES±	G-TM-11-4	JEFF, VIRGIL, JR. & DONNAH WILLEY	26.80 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-13-07	MANSUEL McDIFFITT ET AL	51.8 ACRES±
G-TM-3-23	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	167.75 ACRES±	G-TM-13-12	LESLIE & MIRACLE SUSAN LYDICK	15.02 ACRES±
G-TM-7-02	ROBERT W. DULANEY	19.43 ACRES±	G-TM-13-13	LEEMAN E. & LINDA L. DUNN	67.5 ACRES±
G-TM-7-2.1	HARLEY R. DULANEY, JR.	2 ACRES±	G-TM-13-14	LEEMAN E. & LINDA L. DUNN	12.5 ACRES±
G-TM-7-2.2	CODY N. & WALTER N., JR. NORRIS	2.43 ACRES±	G-TM-13-15	ROBERT COLE ET AL.	27.75 ACRES±
G-TM-7-03	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	178 ACRES±	C-TM-18-29	BERNARD LEE, JR. & EVELYN M. YOHO	372.90 ACRES±
			C-TM-18-31	JAMES L. DULANEY, (L/E) DONALD & OLIVE DULANEY	130.19/32 ACRES±
G-TM-7-3.1	ROBERT W. DULANEY	4 ACRES±			
G-TM-7-3.2	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	156.98 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±			

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 625' OF THE CENTER OF PROPOSED WELL PAD. SEE REFERENCE BOX FOR DWELLING WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE (SHEET 3) AND TOPO MARK SCALE IS 1" = 2000'.

REFERENCES



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

NAD27 S.P.C.(FT)	N. 396,109.40	E. 1,694,436.07
NAD27 GEO.	LAT-(N) 39.582489	LONG-(W) 80.584153
NAD83 UTM (M)	N. 4,381,511.069	E. 535,727.877

LANDING POINT

NAD27 S.P.C.(FT)	N. 397,282.48	E. 1,690,636.70
NAD27 GEO.	LAT-(N) 39.585583	LONG-(W) 80.597683
NAD83 UTM (M)	N. 4,381,849.108	E. 534,564.389

BOTTOM HOLE

NAD27 S.P.C.(FT)	N. 405,676.02	E. 1,686,079.38
NAD27 GEO.	LAT-(N) 39.608471	LONG-(W) 80.614221
NAD83 UTM (M)	N. 4,384,383.077	E. 533,133.344

SLS
Land & Energy Development
Solutions from the ground up.
P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26031 • (304) 462-5634
www.slsurveys.com



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 _____
OPERATORS WELL NO. BIG177H2
API WELL NO. 47 - 103 - 03188
STATE WV COUNTY WETZEL PERMIT _____

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 6806PBIG177H2.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 X LIQUID INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

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 X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X 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 REX C. RAY
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

TOP HOLE LONGITUDE 80°35'00" BOTTOM HOLE LONGITUDE 80°35'00"

09/01/2017

BIG177H2
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BOTTOM HOLE LATITUDE 39°37'30" 8,703'

TH

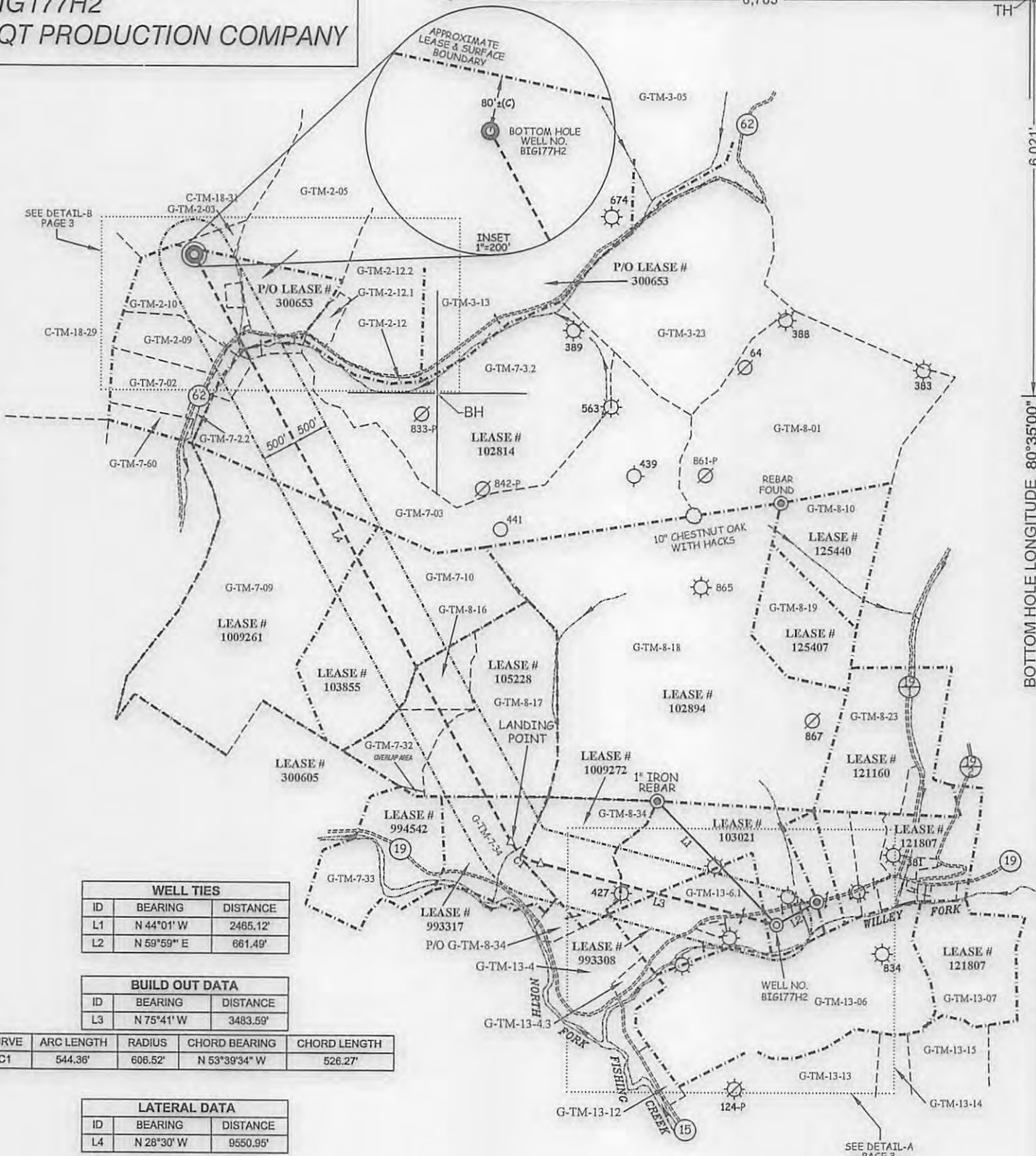
TOP HOLE LONGITUDE 80°35'00"

BOTTOM HOLE LONGITUDE 80°35'00"

NAD'27 GRID NORTH

COUNTY NAME

PERMIT



WELL TIES

ID	BEARING	DISTANCE
L1	N 44°01' W	2465.12'
L2	N 59°59' E	681.49'

BUILD OUT DATA

ID	BEARING	DISTANCE
L3	N 75°41' W	3483.59'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	544.36'	606.52'	N 53°39'34" W	526.27'

LATERAL DATA

ID	BEARING	DISTANCE
L4	N 28°30' W	9550.95'

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LEGEND

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

SCALE 1" = 2000' FILE NO. 6806PBIG177H2.dwg
DATE MAY 4, 20 17
REVISED _____
OPERATORS WELL NO. BIG177H2
API WELL NO. 47 - 103 - 03188
STATE COUNTY PERMIT

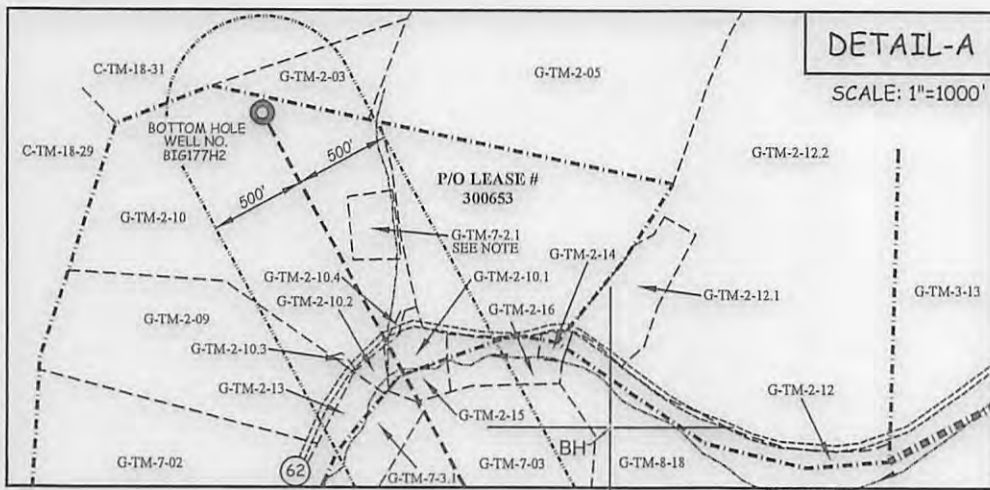
STATE OF WEST VIRGINIA
DIVISION OF
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OFFICE OF OIL AND GAS



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

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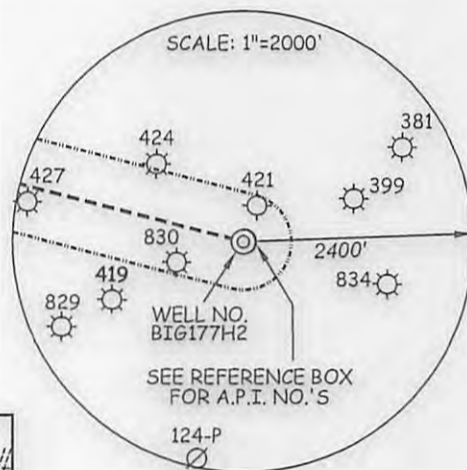


WELL TIES		
ID	BEARING	DISTANCE
L1	N 44°01' W	2465.12'
L2	N 59°59' E	661.49'

BUILD OUT DATA		
ID	BEARING	DISTANCE
L3	N 75°41' W	3483.59'

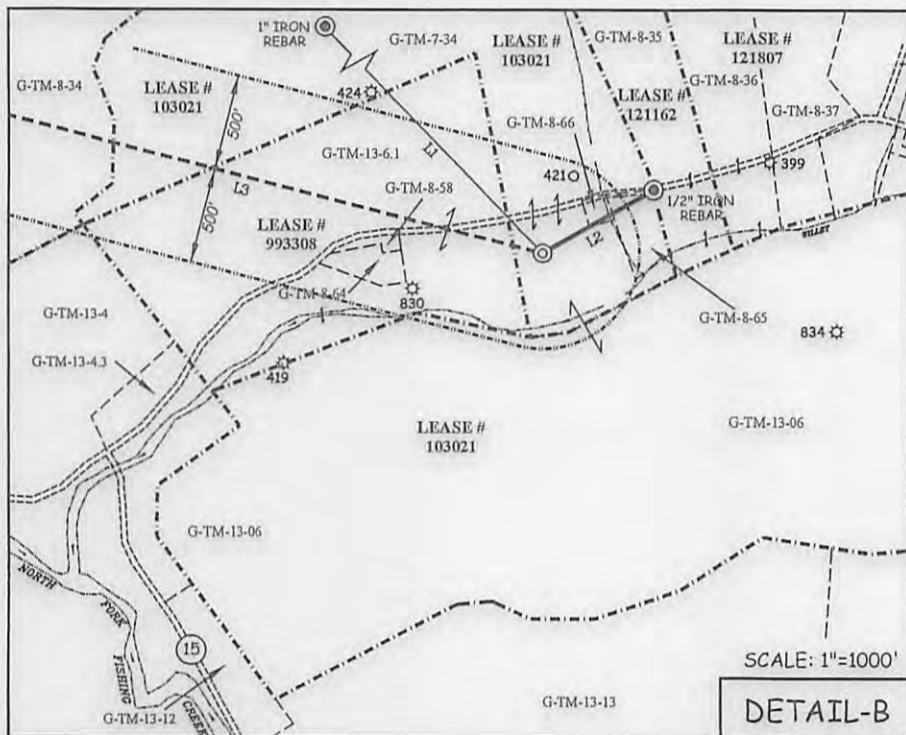
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	544.36'	606.52'	N 53°39'34" W	526.27'

LATERAL DATA		
ID	BEARING	DISTANCE
L4	N 28°30' W	9550.95'



NOTE

PARCEL 2.1 (2 AC.±) ON TAX MAP 7 IS SHOWN INCORRECTLY ON TAX MAP. SAID TRACT IS LOCATED INSIDE PARCEL 10 ON TAX MAP 2. SAID TRACT HAS ALSO BEEN INTERIOR FOR MANY YEARS AND ACTUAL LOCATION COULD NOT BE VERIFIED.



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
HIGGINS FAMILY TRUST ET AL	51.750 AC.±	LEASE NO. 993317
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
RIDGETOP CAPITAL L.P. & RIDGETOP CAPITAL L.P. II	200 AC.±	LEASE NO. 1009281
JOSEPH SHIBEN & MINNIE SHIBEN ESTATE ET AL.	1030AC.±	LEASE NO. 102814
JAMES E. NEWMAN ET AL.	P/O 332 AC.±	LEASE NO. 300663



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

LEGEND

LEASE LINE	-----
SURFACE LINE	-----
WELL LATERAL	-----
OFFSET LINE	-----
TIE LINE	-----
CREEK	-----
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

09/01/2017



SCALE SEE DETAILS FILE NO. 6806PBIG177H2.dwg
 DATE MAY 4, 20 17
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 STATE COUNTY PERMIT

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COUNTY NAME PERMIT