

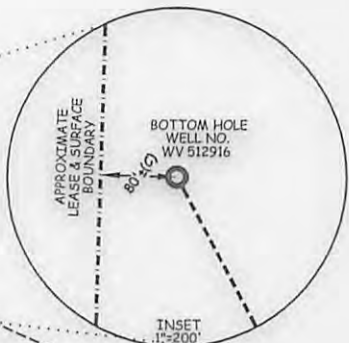
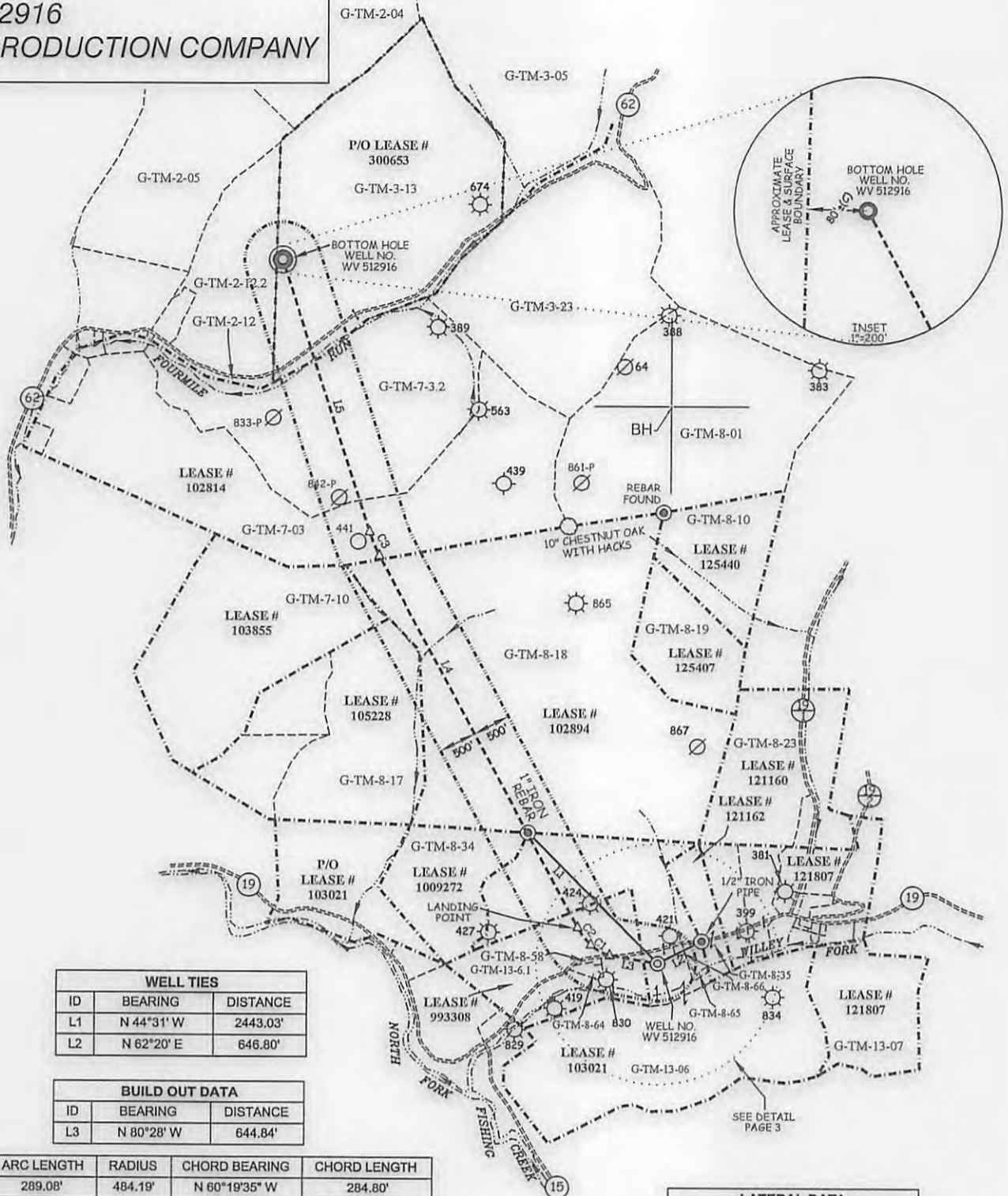
BIG177
WV 512916
EQT PRODUCTION COMPANY

BOTTOM HOLE LATITUDE 39°37'30"

5,327'

TH

NAD'27 GRID NORTH



WELL TIES		
ID	BEARING	DISTANCE
L1	N 44°31' W	2443.03'
L2	N 62°20' E	646.80'

BUILD OUT DATA		
ID	BEARING	DISTANCE
L3	N 80°28' W	644.84'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	289.08'	484.19'	N 60°19'35\" W	284.80'
C2	288.93'	935.67'	N 36°24'52\" W	287.78'

LATERAL DATA		
ID	BEARING	DISTANCE
L4	N 28°00' W	5610.22'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C3	338.90'	1910.04'	N 22°54'59\" W	338.45'

ID	BEARING	DISTANCE
L5	N 17°50' W	3795.46'

TOTAL LATERAL LENGTH = 9744.58'

SLS
Land & Energy Development
Solutions from the ground up.
 P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26351 • (304) 462-5634
 www.slsurvey.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)			
NAD'27 S.P.C.(FT)	N. 396,140.10	E. 1,694,435.93	
NAD'27 GEO.	LAT-(N) 39.582573	LONG-(W) 80.584155	
NAD'83 UTM (M)	N. 4,381,520.422	E. 535,727.679	
LANDING POINT			
NAD'27 S.P.C.(FT)	N. 396,618.92	E. 1,693,381.03	
NAD'27 GEO.	LAT-(N) 39.583853	LONG-(W) 80.587918	
NAD'83 UTM (M)	N. 4,381,660.93	E. 535,403.86	
BOTTOM HOLE			
NAD'27 S.P.C.(FT)	N. 405,497.34	E. 1,689,453.20	
NAD'27 GEO.	LAT-(N) 39.608095	LONG-(W) 80.602240	
NAD'83 UTM (M)	N. 4,384,345.83	E. 534,162.14	

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

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

LEGEND

- LEASE LINE [Dashed line]
- SURFACE LINE [Dotted line]
- WELL LATERAL [Long dashed line]
- OFFSET LINE [Short dashed line]
- TIE LINE [Thin solid line]
- CREEK [Wavy line]
- ROAD [Double line]
- COUNTY ROUTE [Line with 'R']
- PROPOSED WELL [Circle with crosshair]
- EXISTING WELL [Circle with dot]
- PERMITTED WELL [Circle with horizontal line]
- GRANT DISTRICT TAX MAP-PARCEL [Circle with 'G-TM-00-00']

SCALE 1" = 2000' FILE NO. 6806P512916R13
 DATE OCTOBER 02, 20 13
 03/26/14, 09/09/14, 08/25/15, 09/14/15, 10/06/16
 REVISED 03/31/17 & 04/21/17
 OPERATORS WELL NO. WV 512916
 API WELL NO. 47 - 103 - 03058
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 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

TOP HOLE LONGITUDE 80°35'00"
 BOTTOM HOLE LONGITUDE 80°35'00"
 COUNTY NAME
 PERMIT

**BIG177
WV 512916
EQT PRODUCTION COMPANY**

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

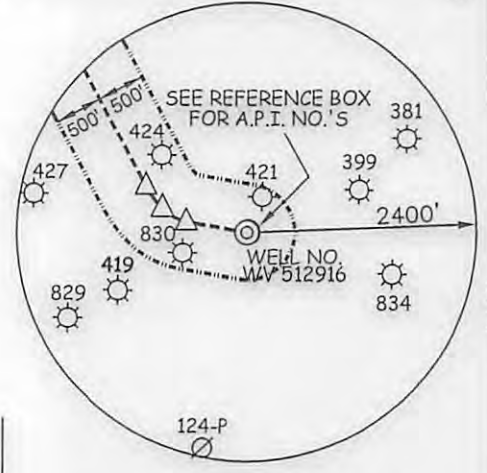
NAD'27 S.P.C.(FT) N. 396,140.10 E. 1,694,435.93
 NAD'27 GEO. LAT-(N) 39.582573 LONG-(W) 80.584155
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LANDING POINT

NAD'27 S.P.C.(FT) N. 396,618.92 E. 1,693,381.03
 NAD'27 GEO. LAT-(N) 39.583853 LONG-(W) 80.587918
 NAD'83 UTM (M) N. 4,381,660.93 E. 535,403.86

BOTTOM HOLE

NAD'27 S.P.C.(FT) N. 405,497.34 E. 1,689,453.20
 NAD'27 GEO. LAT-(N) 39.608095 LONG-(W) 80.602240
 NAD'83 UTM (M) N. 4,384,345.83 E. 534,162.14



NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. 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 & TOPO MARK SCALE IS 1"=2000'.

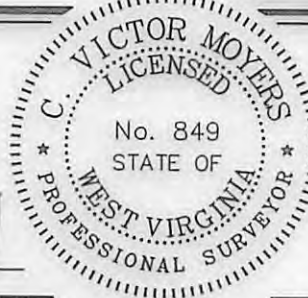
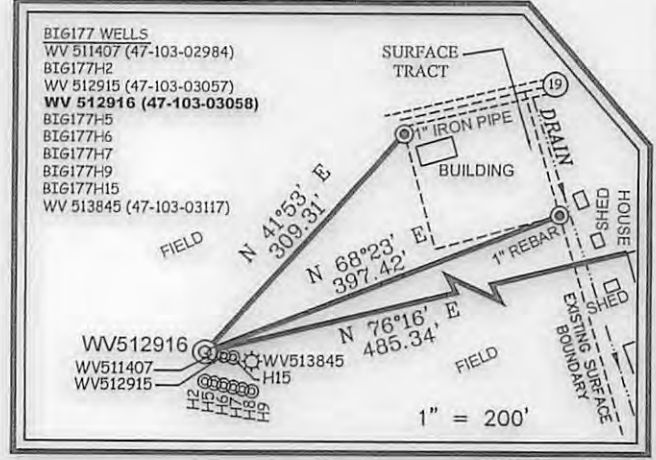
ROYALTY OWNERS		
COASTAL FOREST RESOURCES CO. d/b/a COASTAL TIMBERLANDS CO. ET AL	57.5 AC.±	LEASE NO. 993308
KEVIN GOFF	48.25 AC.±	LEASE NO. 1009272
EQT PRODUCTION COMPANY	300 AC.±	LEASE NO. 102894
JOSEPH SHIBEN & MINNIE SHIBEN ESTATE	1030 AC.±	LEASE NO. 102814
JAMES E. NEWMAN ET AL	P/O 332 AC.±	LEASE NO. 300853

SURFACE OWNERS - CONTINUED

G-TM-13-6.1	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	55.06 ACRES±
G-TM-13-07	MANSEL McDIFFITT ET AL	51.8 ACRES±

SURFACE OWNERS		
G-TM-2-04	JOHN C. COMER ET UX	104.00 ACRES±
G-TM-2-05	EDWIN L. DULANEY ET UX	104.00 ACRES±
G-TM-2-12	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	3.63 ACRES±
G-TM-2-12.2	TEORA & SANDRA DULANEY	66.64 ACRES±
G-TM-3-05	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	179.00 ACRES±
G-TM-3-13	EDWARD L. DULANEY II	164.75 ACRES±
G-TM-3-23	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	167.75 ACRES±
G-TM-7-03	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	178 ACRES±
G-TM-7-3.2	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	156.98 ACRES±
G-TM-7-10	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	120 ACRES±
G-TM-8-01	DANNY STOCKSLAGER ET AL	170 ACRES±
G-TM-8-10	GARLAND MINOR ET AL	48.1 ACRES±
G-TM-8-17	KENNETH & LORRAINE WILDMAN	67 ACRES±
G-TM-8-18	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	337 ACRES±
G-TM-8-19	PHILLIP & KIMBERLY SHREVE	46.45 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-8-58	HIGGINS CHAPEL CHURCH OF CHRIST	0.99 ACRES±
G-TM-8-64	MARY EASTHAM ET AL	1.45 ACRES±
G-TM-8-65	IKKEY & TINA WILLEY	2.15 ACRES±
G-TM-8-66	EQM GATHERING OPOC LLC	.42 ACRES±
G-TM-13-06	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	217.19 ACRES±

REFERENCES



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.
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 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 6806P512916R13.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 ACREAGE 242.5

PROPOSED WORK: 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 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

COUNTY NAME PERMIT