

BIG177
WV 512915
EQT PRODUCTION COMPANY

BOTTOM HOLE LATITUDE 39°37'30"

5,305'

4,068'

TH

80°35'00"

BOTTOM HOLE LONGITUDE 80°35'00"

6,980'

NAD '27 GRID NORTH

WELL TIES		
ID	BEARING	DISTANCE
L1	N 44°47' W	2459.66'
L2	N 61°12' E	631.44'

BUILD OUT DATA		
ID	BEARING	DISTANCE
L3	N 00°08' W	1256.52'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	186.74'	720.57'	N 08°57'15" W	186.22'
C2	292.81'	1365.40'	N 22°08'27" W	292.25'

AS DRILLED COORDINATES
(BIG177H4 512915)
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'27 S.P.C.(FT) N. 396,136.08 E. 1,694,455.53
 NAD'27 GEO. LAT-(N) 39.582563 LONG-(W) 80.584085
 NAD'83 UTM (M) N. 4,381,519.296 E. 535,733.668

LANDING POINT
 NAD'27 S.P.C.(FT) N. 397,856.73 E. 1,694,308.71
 NAD'27 GEO. LAT-(N) 39.587282 LONG-(W) 80.584680
 NAD'83 UTM (M) N. 4,382,042.77 E. 535,680.21

BOTTOM HOLE
 NAD'27 S.P.C.(FT) N. 404,659.80 E. 1,690,701.51
 NAD'27 GEO. LAT-(N) 39.605838 LONG-(W) 80.597773
 NAD'83 UTM (M) N. 4,384,097.02 E. 534,546.70



Land & Energy Development
 Solutions from the ground up.
 P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26351 • (304) 462-5034
 www.slsurveys.com

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 NAD'83 UTM (M) N. 4,382,039.90 E. 535,681.72

BOTTOM HOLE
 NAD'27 S.P.C.(FT) N. 406,915.99 E. 1,689,491.80
 NAD'27 GEO. LAT-(N) 39.611991 LONG-(W) 80.602164
 NAD'83 UTM (M) N. 4,384,778.23 E. 534,166.70

SCALE 1" = 2000' FILE NO. 6806P512915R16AD.dwg
 DATE MAY 20, 2013
 REVISED 07/29/13, 12/04/13, 09/10/14, 08/25/15,
 09/14/15, 10/06/16, 03/31/17, 04/20/17 & 09/20/17

OPERATORS WELL NO. WV 512915
 API WELL NO. 47 — 103 — 03057
 STATE COUNTY PERMIT



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

(+) 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

LATERAL DATA		
ID	BEARING	DISTANCE
L4	N 28°00' W	10,270.89'

AS-DRILLED TOTAL LATERAL LENGTH = 7701.71'

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**

BIG177
WV 512915
EQT PRODUCTION COMPANY

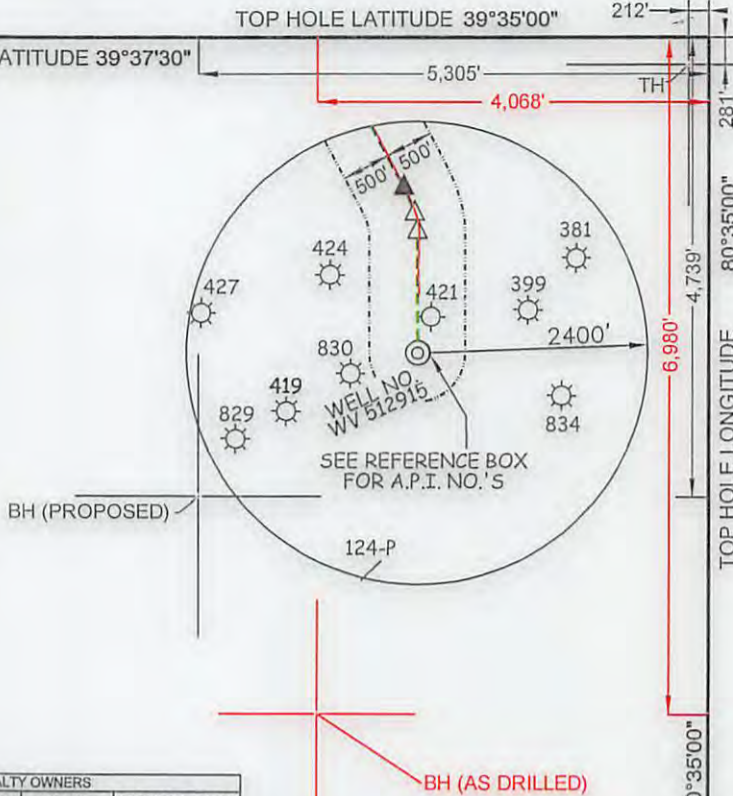
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SURFACE OWNERS		
G-TM-2-04	JOHN C. COMER ET UX	104.00 ACRES±
G-TM-2-05	EDWIN L. DULANEY ET UX	104.00 ACRES±
G-TM-2-12	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	3.63 ACRES±
G-TM-2-12.2	TEORA & SANDRA DULANEY	66.64 ACRES±
G-TM-3-05	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	IKEY & TINA WILLEY	2.15 ACRES±
G-TM-8-66	EOM GATHERING OPOC LLC	0.42 ACRES±
G-TM-13-06	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	217.19 ACRES±

ROYALTY OWNERS		
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. 300653

* SEE NOTE 4

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±



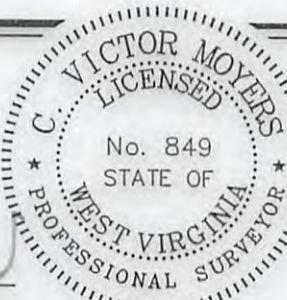
NOTES ON SURVEY

- 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.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'.
- AS DRILLED INFORMATION PROVIDED BY EQT.
- AS-DRILLED PATH DOES NOT PENETRATE LEASE NO. 300653.

AS DRILLED COORDINATES

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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 20, 20 13
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MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 6806P512915R16AD.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: 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 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