

PEN54
WV 516208
EQT PRODUCTION COMPANY

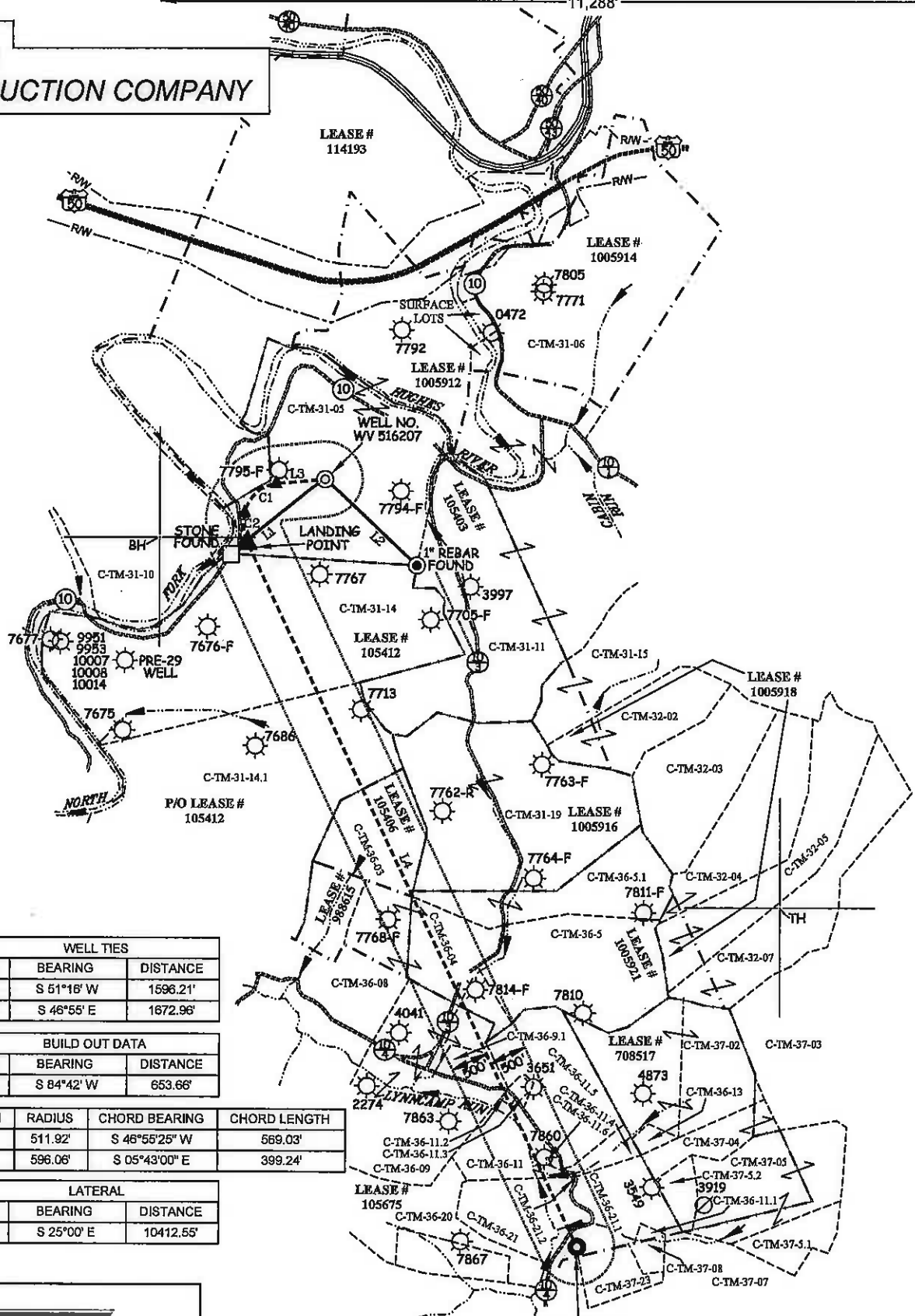
NAD'27 GRID NORTH

7,525'

12,473'

BOTTOM HOLE LONGITUDE 80°52'30"

BOTTOM HOLE LONGITUDE 80°55'00"



WELL TIES		
ID	BEARING	DISTANCE
L1	S 51°16' W	1596.21'
L2	S 48°55' E	1672.96'

BUILD OUT DATA		
ID	BEARING	DISTANCE
L3	S 84°42' W	653.66'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	603.36'	511.92'	S 48°55'25\" W	569.03'
C2	407.10'	596.06'	S 05°43'00\" E	399.24'

LATERAL		
ID	BEARING	DISTANCE
L4	S 25°00' E	10412.55'

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

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'27 S.P.C.(FT) N. 279,079.34 E. 1,596,838.47
 NAD'27 GEO. LAT-(N) 39.257423 LONG-(W) 80.927333
 NAD'83 UTM (M) N. 4,345,355.20 E. 506,284.13

LANDING POINT
 NAD'27 S.P.C.(FT) N. 278,293.02 E. 1,594,811.72
 NAD'27 GEO. LAT-(N) 39.255054 LONG-(W) 80.930911
 NAD'83 UTM (M) N. 4,345,092.14 E. 505,975.64

BOTTOM HOLE
 NAD'27 S.P.C.(FT) N. 288,796.04 E. 1,599,212.26
 NAD'27 GEO. LAT-(N) 39.229339 LONG-(W) 80.914848
 NAD'83 UTM (M) N. 4,342,239.61 E. 507,364.25



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

LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- STATE ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- CLAY DISTRICT TAX MAP-PARCEL

C-TM-00-00

SCALE 1" = 2000' FILE NO. 8083P516208R2
 DATE JUNE 25, 20 15
 REVISED 07/01/15 & 08/17/16
 OPERATORS WELL NO. WV 516208
 API WELL NO. 47 — OKK — 10232
 NO. 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

COUNTY NAME
 PERMIT

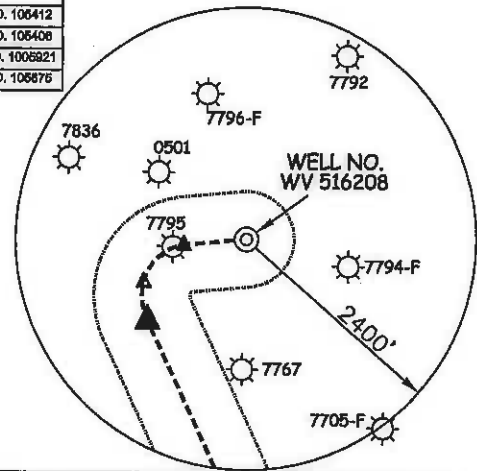
BOTTOM HOLE LATITUDE 39°15'00"

11,288'

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ROYALTY OWNERS		
MABLE BROADWATER ET AL	380 AC±	LEASE NO. 106412
JANE PHILLIPS ET AL	56 AC±	LEASE NO. 106406
DEAN E. FLANAGAN ET AL	153 AC±	LEASE NO. 106621
ORMA M. JOHNSON ET AL	667.5 AC±	LEASE NO. 106676

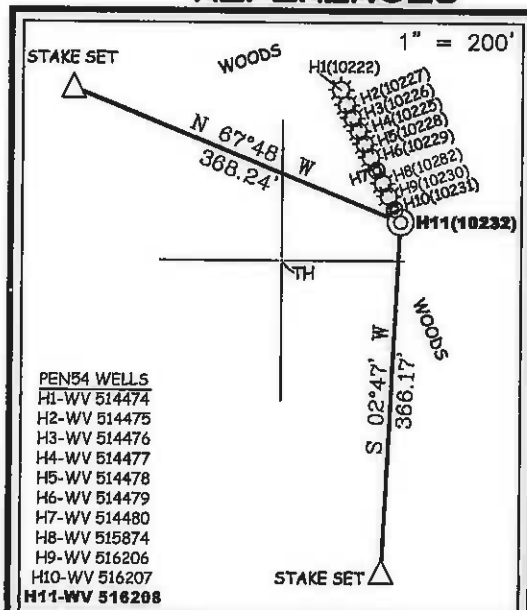
C-TM-31-05	JERRY MORTON ET AL	243.50 ACRES±
C-TM-31-14	HEARTWOOD FORESTLAND FUND IV LP	185.30 ACRES±
C-TM-31-11	HEARTWOOD FORESTLAND FUND IV LP	351.89 ACRES±
C-TM-31-15	HEARTWOOD FORESTLAND FUND IV LP	53 ACRES±
C-TM-31-19	RANDAL LAMM	126.32 ACRES±
C-TM-32-02	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	42.51 ACRES±
C-TM-32-03	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	56.14 ACRES±
C-TM-32-04	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	47 ACRES±
C-TM-36-5.1	RANDAL LAMM	44 ACRES±
C-TM-36-05	RONNIE WAGES	66.95 ACRES±
C-TM-32-05	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	66.45 ACRES±
C-TM-32-07	COASTAL FOREST RESOURCES COMPANY d/b/a COASTAL TIMBERLANDS COMPANY	57.60 ACRES±
C-TM-37-03	JACK MACKAY ET AL	235.03 ACRES±
C-TM-37-02	RONALD DUDD ET AL	70.40 ACRES±
C-TM-37-04	JEFFERY JETT	18.31 ACRES±
C-TM-37-05	EDWIN G. WILLIAMS	40.77 ACRES±
C-TM-37-5.1	EDWIN G. WILLIAMS ET AL	23 ACRES±
C-TM-37-07	MARY SIMMONS (LIFE) ET AL	30 ACRES±
C-TM-37-08	REBECCA COTTRILL ET AL	4.3 ACRES±
C-TM-36-23	CHARLES E. COTTRILL ET AL	16.15 ACRES±
C-TM-37-5.2	ROGER & MARY WILLIAMS	8.068 ACRES±
C-TM-36-21.1	JEFFERY JETT	25.015 ACRES±
C-TM-36-21	JUNIOR COTTRILL ET AL	33.065 ACRES±
C-TM-36-21.2	JEFFERY JETT	0.472 ACRES±
C-TM-36-11.4	GARY COTTRILL	5.051 ACRES±
C-TM-36-13	ROY DODD	2.51 ACRES±
C-TM-36-11.5	GARY COTTRILL	40.847 ACRES±
C-TM-36-11	GARY COTTRILL ET AL	23.322 ACRES±
C-TM-36-11.1	PAUL COTTRILL	1.07 ACRES±
C-TM-36-11.2	JEFFERY & HEATHER MACE	0.50 ACRES±
C-TM-36-11.3	SHAWN GIBBONS	1.563 ACRES±
C-TM-36-11.6	GARY COTTRILL	0.94 ACRES±
C-TM-36-20	EVERETT McATEE ET AL	48.88 ACRES±
C-TM-36-09	PAUL HILVERS	90.70 ACRES±
C-TM-36-9.1	RANDALL & CYNTHIA OWENS	3.9997 ACRES±
C-TM-36-08	FOUSS FARMS LLC	19 ACRES±
C-TM-36-04	JACK HARGIS ET AL	45.47 ACRES±
C-TM-36-03	RANDAL LAMM	45.5 ACRES±
C-TM-31-14.1	HEARTWOOD FORESTLAND FUND IV LP	168.20 ACRES±
C-TM-31-10	DONALD DEEM ET AL	133.07 ACRES±
C-TM-31-06	HEARTWOOD FORESTLAND FUND IV LP	79.88 ACRES±



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REFERENCES



NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
2. WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'



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 JUNE 25, 20 15
REVISED 07/01/15 & 08/17/16
OPERATORS WELL NO. WV 516208
API WELL NO. 47-085-10232
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8083P516208R2.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 1,016' WATERSHED NORTH FORK HUGHES RIVER
DISTRICT CLAY COUNTY RITCHIE QUADRANGLES PENNSBORO & PULLMAN 7.5'

SURFACE OWNER JERRY MORTON ET AL ACREAGE 243.50±
ROYALTY OWNER ELLEN S. FRANCAVIGLIA ET AL ACREAGE 268±

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 6,305'

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

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