

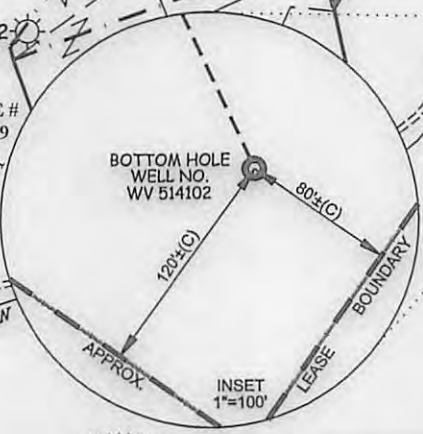
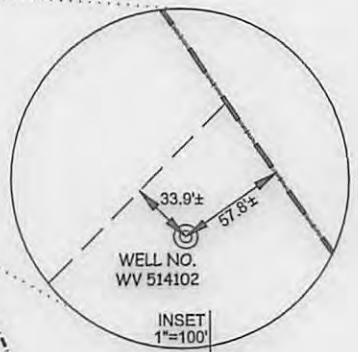
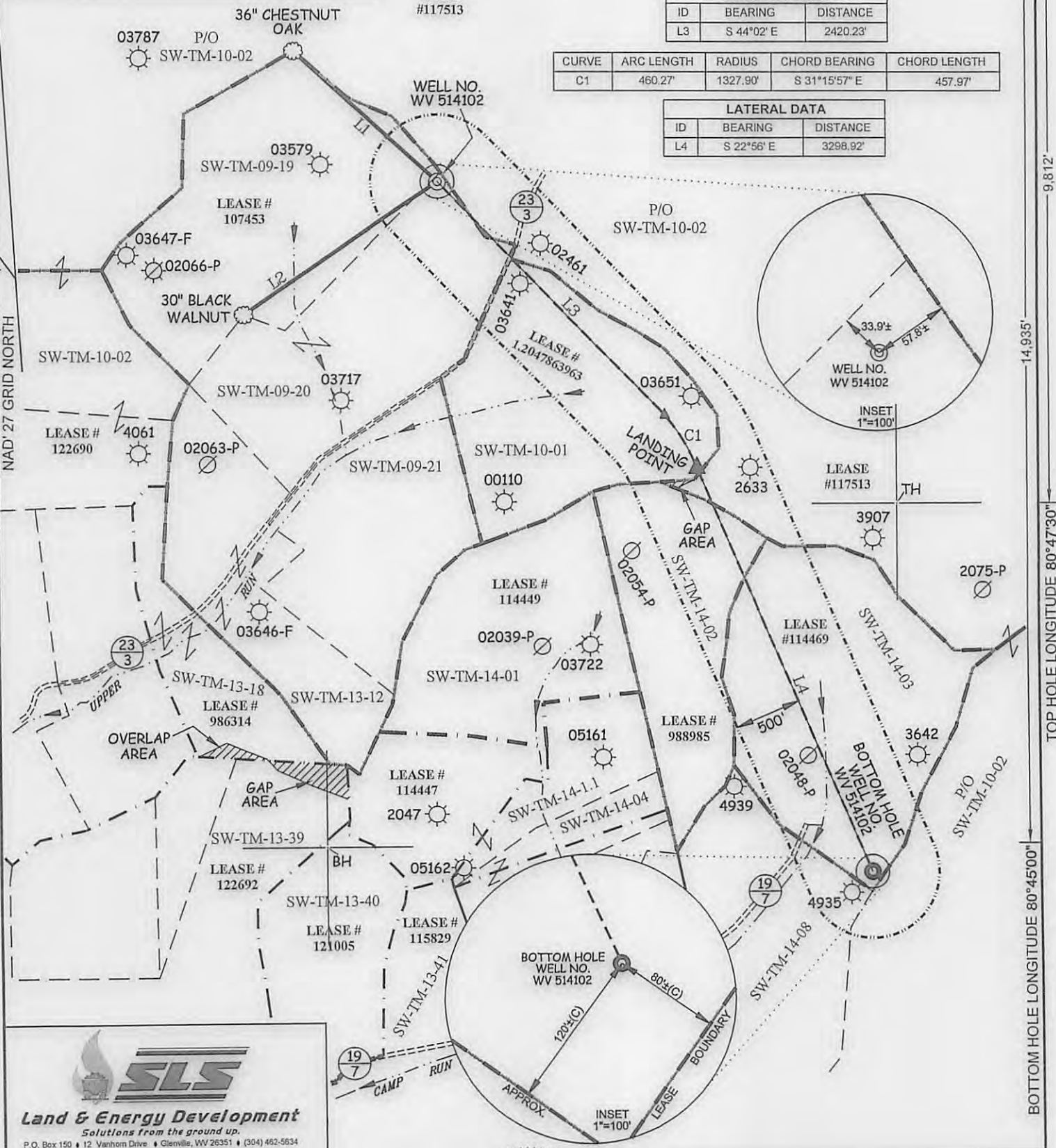
OXF160
WV 514102
EQT PRODUCTION COMPANY

WELL TIES		
ID	BEARING	DISTANCE
L1	N 47°43' W	1445.26'
L2	S 55°49' W	1752.65'

BUILD OUT DATA		
ID	BEARING	DISTANCE
L3	S 44°02' E	2420.23'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	460.27'	1327.90'	S 31°15'57" E	457.97'

LATERAL DATA		
ID	BEARING	DISTANCE
L4	S 22°56' E	3298.92'



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

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)	
NAD'27 S.P.C.(FT)	N. 250,840.85 E. 1,631,719.96
NAD'27 GEO.	LAT-(N) 39.181394 LONG-(W) 80.799191
NAD'83 UTM (M)	N. 4,336,935.14 E. 517,358.90
LANDING POINT	
NAD'27 S.P.C.(FT)	N. 248,709.46 E. 1,639,639.96
NAD'27 GEO.	LAT-(N) 39.175619 LONG-(W) 80.792310
NAD'83 UTM (M)	N. 4,336,295.59 E. 517,954.65
BOTTOM HOLE	
NAD'27 S.P.C.(FT)	N. 245,671.19 E. 1,634,925.19
NAD'27 GEO.	LAT-(N) 39.167329 LONG-(W) 80.787624
NAD'83 UTM (M)	N. 4,335,376.54 E. 518,361.64

VICTOR MOYERS
 LICENSED
 No. 849
 STATE OF
WEST VIRGINIA
 PROFESSIONAL SURVEYOR
 3-85-117

(+) 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
- SOUTH WEST DISTRICT TAX MAP-PARCEL

SW-00-00

SCALE 1" = 1000' FILE NO. 7310P514102R3
 DATE SEPTEMBER 16, 20 16
 REVISED 09/29/16, 01/19/17 & 03/03/17
 OPERATORS WELL NO. WV 514102
 API WELL NO. 47 - 017 - 06789 HLA
 STATE COUNTY PERMIT

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

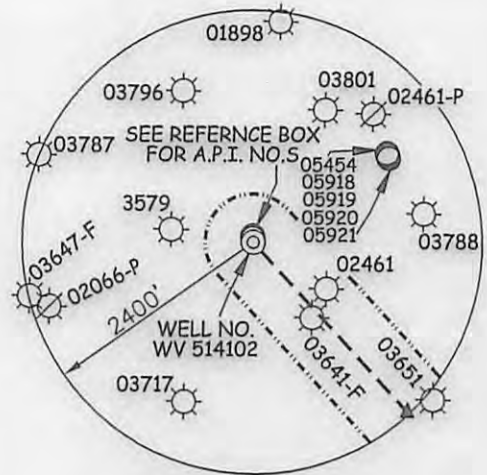
WELL OPERATOR **EQT PRODUCTION COMPANY** DESIGNATED AGENT **REX C. RAY**
 ADDRESS **115 PROFESSIONAL PLACE BRIDGEPORT, WV 26330** ADDRESS **115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330**

BOTTOM HOLE LATITUDE 39°12'30"

10,668'

OXF160
WV 514102
EQT PRODUCTION COMPANY

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'27 S.P.C.(FT) N. 250,840.85 E. 1,631,719.96
 NAD'27 GEO. LAT-(N) 39.181394 LONG-(W) 80.799191
 NAD'83 UTM (M) N. 4,336,935.14 E. 517,358.90
LANDING POINT
 NAD'27 S.P.C.(FT) N. 248,709.46 E. 1,633,639.96
 NAD'27 GEO. LAT-(N) 39.175619 LONG-(W) 80.792310
 NAD'83 UTM (M) N. 4,336,295.59 E. 517,954.65
BOTTOM HOLE
 NAD'27 S.P.C.(FT) N. 245,671.19 E. 1,634,925.19
 NAD'27 GEO. LAT-(N) 39.167329 LONG-(W) 80.787624
 NAD'83 UTM (M) N. 4,335,376.54 E. 518,361.64



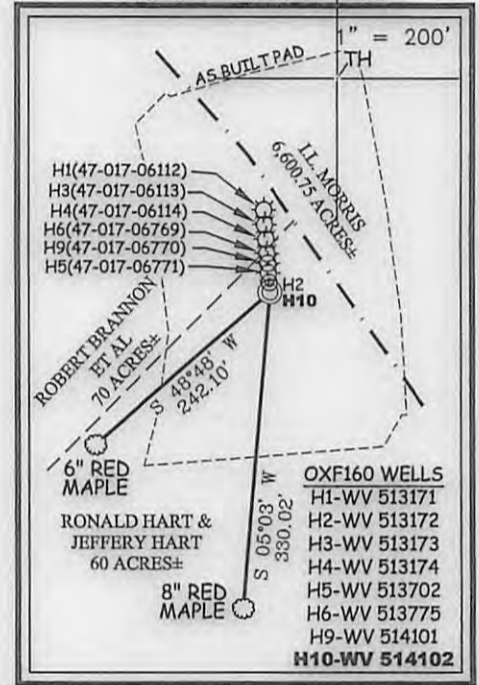
NOTES ON SURVEY

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'.

ROYALTY OWNERS		
WBM HEIRS PROPERTIES, LLC ET AL	1891.25 AC.±	LEASE NO. 117513
CAROLYN FARR TRUST	57.5 AC.±	LEASE NO. 1.2047863963
CARLTON MATHENY ET AL	44 AC.±	LEASE NO. 988985
TERM OIL AND GAS PRODUCTION AND DEVELOPMENT LLC	76 AC.±	LEASE NO. 114469

SW TM-09-19	ROBERT BRANNON ET AL	70 ACRES±
SW TM-09-20	RONALD HART & JEFFERY HART	60 ACRES±
SW TM-09-21	RONALD HART & JEFFERY HART	45 ACRES±
SW TM-10-01	MATTHEW COPELAND	57.5 ACRES±
SW TM-10-02	ILL. MORRIS	6,600.75 ACRES±
SW TM-13-12	RONALD HART & JEFFERY HART	46 ACRES±
SW TM-13-18	ROBERT BRANNON ET AL	25.1 ACRES±
SW TM-13-39	EDWARD & GINA BASSETT	41 ACRES±
SW TM-13-40	MARIAN ZORN	34.78 ACRES±
SW TM-13-41	WILLIAM ARMENTROUT ET AL	76 ACRES±
SW TM-14-01	MICHAEL & SUSAN ZORN	52.5 ACRES±
SW TM-14-1.1	MICHAEL & SUSAN ZORN	47.5 ACRES±
SW TM-14-02	WILLIAM ARMENTROUT ET AL	44.35 ACRES±
SW TM-14-03	JANICE McCORMACK	76 ACRES±
SW TM-14-04	WILLIAM ARMENTROUT ET AL	16.8 ACRES±
SW TM-14-08	CHARLES MUCHMORE ET AL (LIFE)	48.50 ACRES±

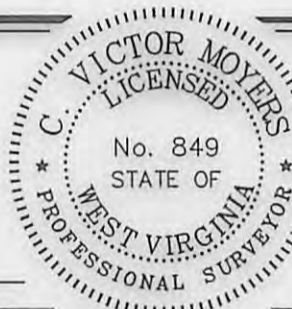
REFERENCES



BH

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 SEPTEMBER 16, 20 16
 REVISED 09/29/16, 01/19/17 & 03/03/17
 OPERATORS WELL NO. WV 514102
 API WELL NO. 47-017-06789
 STATE WV COUNTY ODD PERMIT 107453

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7310P514102R3
 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 1,220' WATERSHED UPPER RUN OF MIDDLE FORK OF SOUTH FORK HUGHES RIVER
 DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
 SURFACE OWNER RONALD HART & JEFFERY HART ACREAGE 60±
 ROYALTY OWNER MONA R. CUMBERLEDGE ET AL ACREAGE 206±
 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 6,638'

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°47'30"

BOTTOM HOLE LONGITUDE 80°45'00"

COUNTY NAME

PERMIT