

**OXF160**  
**WV 513172**  
**EQT PRODUCTION COMPANY**

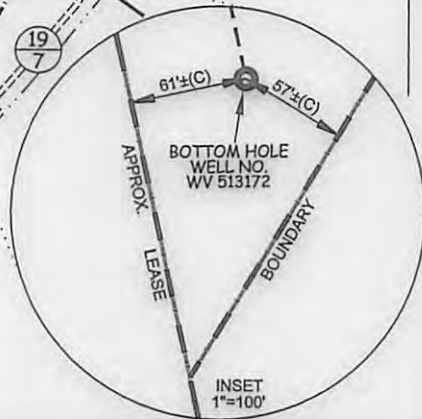
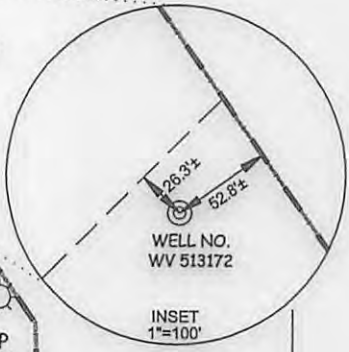
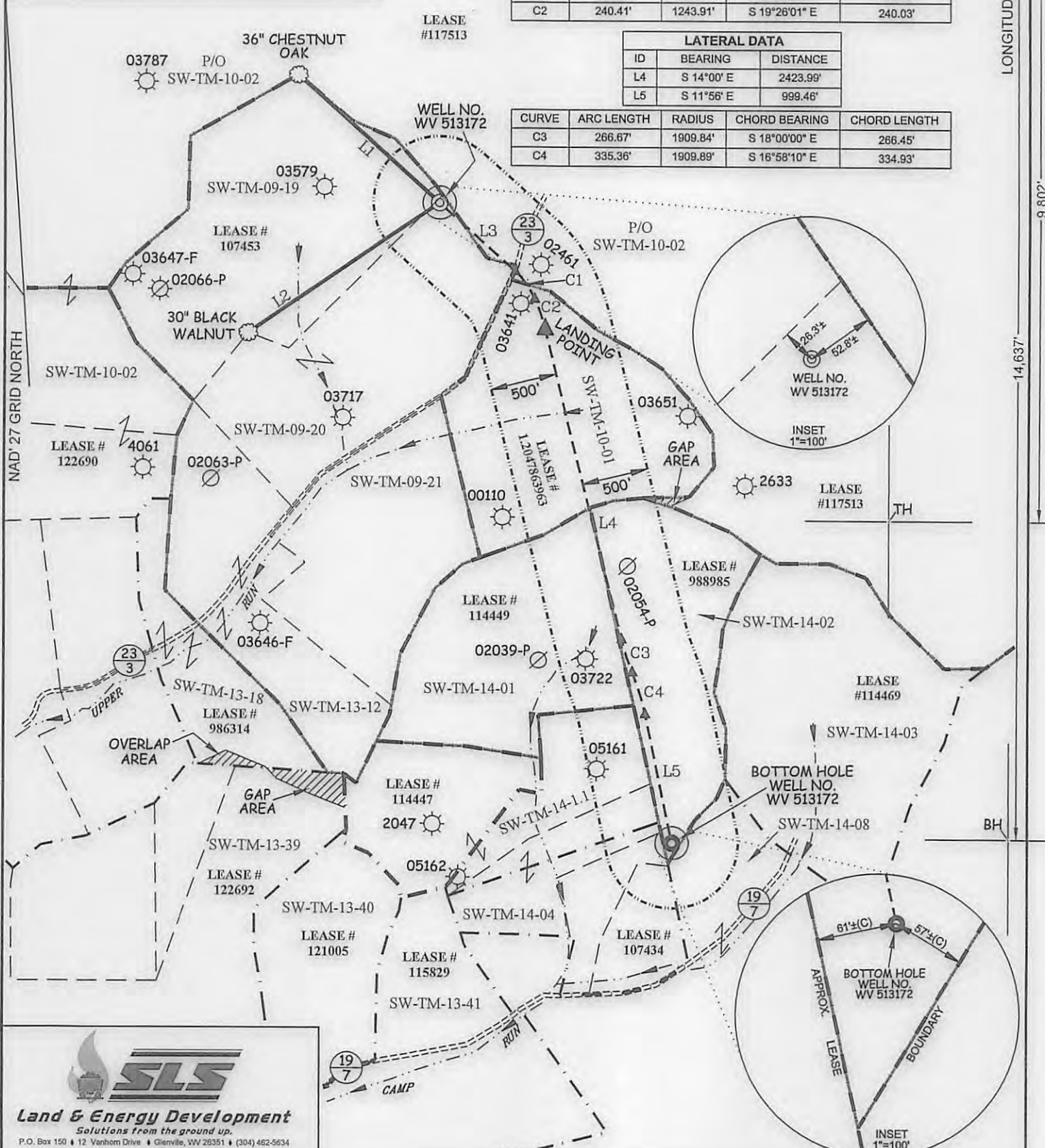
WELL TIES		
ID	BEARING	DISTANCE
L1	N 47°59' W	1437.96'
L2	S 55°32' W	1757.59'

BUILD OUT DATA		
ID	BEARING	DISTANCE
L3	S 47°48' E	773.56'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	259.52'	656.91'	S 34°35'59" E	257.84'
C2	240.41'	1243.91'	S 19°26'01" E	240.03'

LATERAL DATA		
ID	BEARING	DISTANCE
L4	S 14°00' E	2423.99'
L5	S 11°56' E	999.46'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C3	266.67'	1909.84'	S 18°00'00" E	266.45'
C4	335.36'	1909.89'	S 16°58'10" E	334.93'



**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. 250,850.82 E. 1,631,719.14  
 NAD'27 GEO. LAT-(N) 39.181422 LONG-(W) 80.799194  
 NAD'83 UTM (M) N. 4,336,938.17 E. 517,358.60

LANDING POINT  
 NAD'27 S.P.C.(FT) N. 249,892.59 E. 1,632,518.46  
 NAD'27 GEO. LAT-(N) 39.178823 LONG-(W) 80.796326  
 NAD'83 UTM (M) N. 4,336,650.32 E. 517,606.98

BOTTOM HOLE  
 NAD'27 S.P.C.(FT) N. 245,989.00 E. 1,633,491.73  
 NAD'27 GEO. LAT-(N) 39.168145 LONG-(W) 80.792695  
 NAD'83 UTM (M) N. 4,335,466.06 E. 517,923.33



(+) 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. 7310P513172R5  
 DATE MARCH 09, 20 12  
 REVISED 04/03/12, 04/11/12, 09/16/16, 09/29/16 & 01/19/17  
 OPERATORS WELL NO. WV 513172  
 API WELL NO. 47  
 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

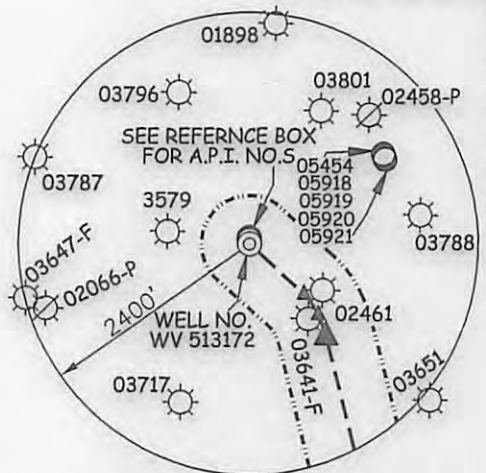
03/24/2017

COUNTY NAME PERMIT



**OXF160**  
**WV 513172**  
**EQT PRODUCTION COMPANY**

2,134'  
 292'  
 LATITUDE 39°12'30"  
 LONGITUDE 80°47'30"  
 9,802'  
 14,637'



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

NAD'27 S.P.C.(FT)	N. 250,850.82	E. 1,631,719.14
NAD'27 GEO.	LAT-(N) 39.181422	LONG-(W) 80.799194
NAD'83 UTM (M)	N. 4,336,938.17	E. 517,358.60
<b>LANDING POINT</b>		
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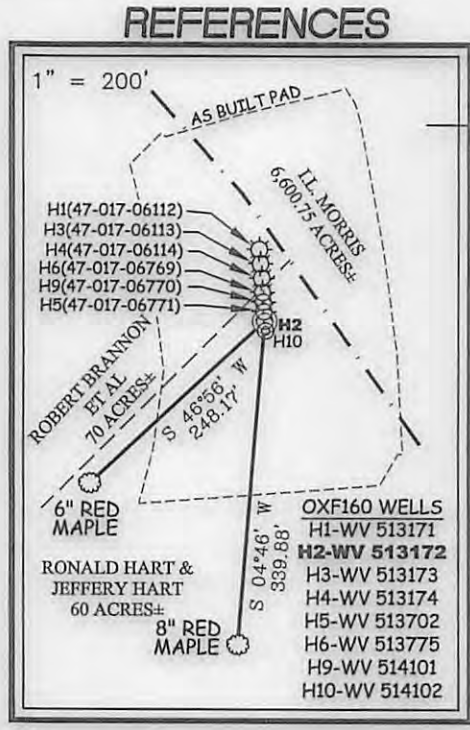
**ROYALTY OWNERS**

WBM HEIRS PROPERTIES, LLC ET AL	1891.25 AC.±	LEASE NO. 117513
CAROLYN FARR TRUST	57.5 AC.±	LEASE NO. 1.2047863963
GLENN H. SHIVE ET AL	53 AC.±	LEASE NO. 114449
CARLTON MATHENY ET AL	44 AC.±	LEASE NO. 988985

**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'.

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	LL 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±



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 MARCH 09, 20 12  
 REVISED 04/03/12, 04/11/12, 09/16/16, 09/29/16 & 01/19/17  
 OPERATORS WELL NO. WV 513172  
 API WELL NO. 47-017-0678816A  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7310P513172R5  
 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 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  
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