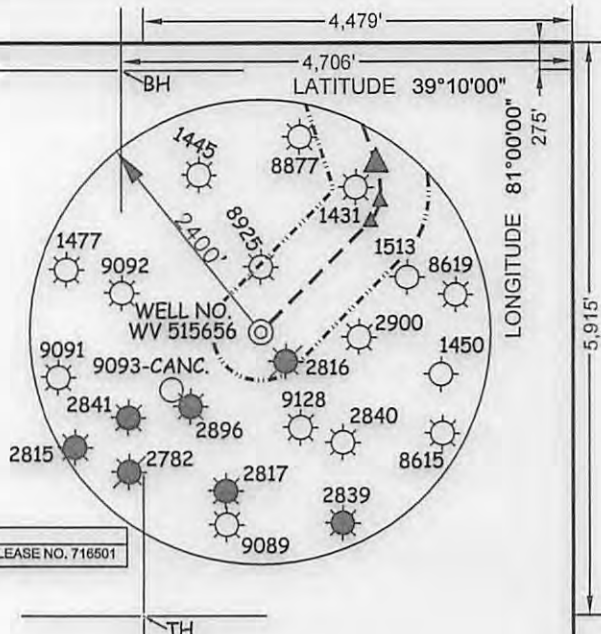


HAR10
WV 515656
EQT PRODUCTION COMPANY

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'27 S.P.C.(FT) N. 240,526.42 E. 1,570,135.45
 NAD'27 GEO. LAT-(N) 39.150429 LONG-(W) 81.015792
 NAD'83 UTM (M) N. 4,333,479.31 E. 498,649.97
LANDING POINT
 NAD'27 S.P.C.(FT) N. 242,275.36 E. 1,571,342.67
 NAD'27 GEO. LAT-(N) 39.155286 LONG-(W) 81.011639
 NAD'83 UTM (M) N. 4,334,018.27 E. 499,008.84
BOTTOM HOLE
 NAD'27 S.P.C.(FT) N. 246,169.49 E. 1,570,001.81
 NAD'27 GEO. LAT-(N) 39.165915 LONG-(W) 81.016599
 NAD'83 UTM (M) N. 4,335,197.75 E. 498,580.55

ROYALTY OWNERS		
MARY F. JONES	160 AC.±	LEASE NO. 716501

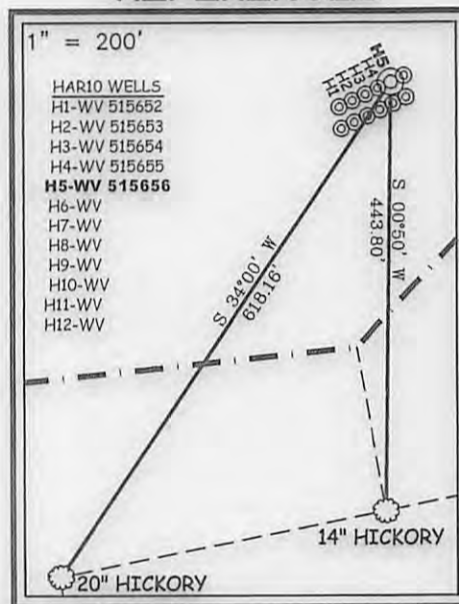


U-TM-17-3.1	CAROL & DAVID REYNOLDS (LIFE) ET AL	48.9 ACRES±
U-TM-17-4	TOMMIE & ANDREA MITCHELL	195.808 ACRES±
U-TM-17-6	JEREMY & RUBY EASTON	70.87 ACRES±
U-TM-17-7	DALEN SCHLABACH	120 ACRES±
U-TM-17-8	STAATS FAMILY TRUST	67.25 ACRES±
U-TM-17-8.1	STAATS FAMILY TRUST	26.75 ACRES±
U-TM-17-9	CLARA STEVENS ET AL	147 ACRES±
U-TM-17-10	DALE IAMS	70.08 ACRES±
U-TM-17-13	DALEN SCHLABACH	55 ACRES±
U-TM-17-13.1	RIDGETOP CAPITAL V LP	6.3 ACRES±
U-TM-17-14	JAMES & MARY JONES (LIFE) ET AL	159.56 ACRES±
U-TM-17-17	NATHANAEL MASON ET AL	11.5 ACRES±
U-TM-17-17.1	FLOYD & JEAN CRONIN TRUST	78.59 ACRES±
U-TM-17-18	NATHANAEL MASON ET AL	187 ACRES±
U-TM-17-19	CHEVAUX DE FRISE CHURCH & CEMETERY BY TRS	LOT (1.7 ACRES± CALC.)
U-TM-17-20	ROGER GEORGE	0.44 ACRES±
U-TM-17-21.1	SUSAN BROWNE ET AL	32.40 ACRES±
U-TM-17-21.2	SUSAN BROWNE ET AL	8.55 ACRES±
U-TM-17-22	NATHANAEL MASON ET AL	96 ACRES±
U-TM-23-1	CHARLES & ROSA WASS	55.90 ACRES±
U-TM-23-2	WINSTON LOVE FAMILY TRUST ET AL	5.27 ACRES±
U-TM-23-3	NATHANAEL MASON ET AL	1/8 ACRE±
U-TM-23-4	C.W. RADCLIFF	15 ACRES±
U-TM-23-5	NATHANAEL MASON ET AL	10.5 ACRES±
U-TM-23-6	C.W. RADCLIFF	20 ACRES±
U-TM-23-7	C.W. RADCLIFF	25.25 ACRES±
U-TM-23-8	STEVEN REED ET AL	41.45 ACRES±
U-TM-23-12	GUY BAKER	48.5 ACRES±
U-TM-23-12.2	GUY BAKER	33.5 ACRES±
U-TM-23-12.3	GUY BAKER	9.75 ACRES±
U-TM-23-12.6	GUY BAKER	65.25 ACRES±
U-TM-23-14	CAROLYN VINCENT	35 ACRES±
U-TM-23-23	BRUCE & AUDREY DRESSLER	14.85 ACRES±

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'

REFERENCES



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

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 OCTOBER 28, 20 16
 REVISED _____, 20 _____
 OPERATORS WELL NO. WV 515656
 API WELL NO. 47 - 085 - 10307 WVA
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8511P515656.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 X LIQUID INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X
 LOCATION: (GROUND) (PROPOSED)
 ELEVATION 1,164' 1,141.1' WATERSHED ADDS RUN AND TWOLICK RUN OF CHEVAUX DE FRISE RUN
 DISTRICT UNION COUNTY RITCHIE QUADRANGLE HARRISVILLE 7.5'
 SURFACE OWNER NATHANAEL L. MASON ET AL ACREAGE 187±
 ROYALTY OWNER NATHANAEL L. MASON ET AL ACREAGE 310±
 PROPOSED WORK: LEASE NO. 1011104
 DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X 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 6,313'

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

03/10/2017

HAR10
WV 515655
EQT PRODUCTION COMPANY

WELL TIES		
ID	BEARING	DISTANCE
L1	N 68°00' W	1944.65'
L2	S 04°52' W	269.75'

BUILD OUT DATA		
ID	BEARING	DISTANCE
L3	N 45°30' E	2474.93'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	311.06'	433.67'	N 20°49'28" E	304.43'
C2	319.51'	843.49'	N 08°07'20" W	317.61'

LATERAL		
ID	BEARING	DISTANCE
L4	N 18°28' W	2900.03'

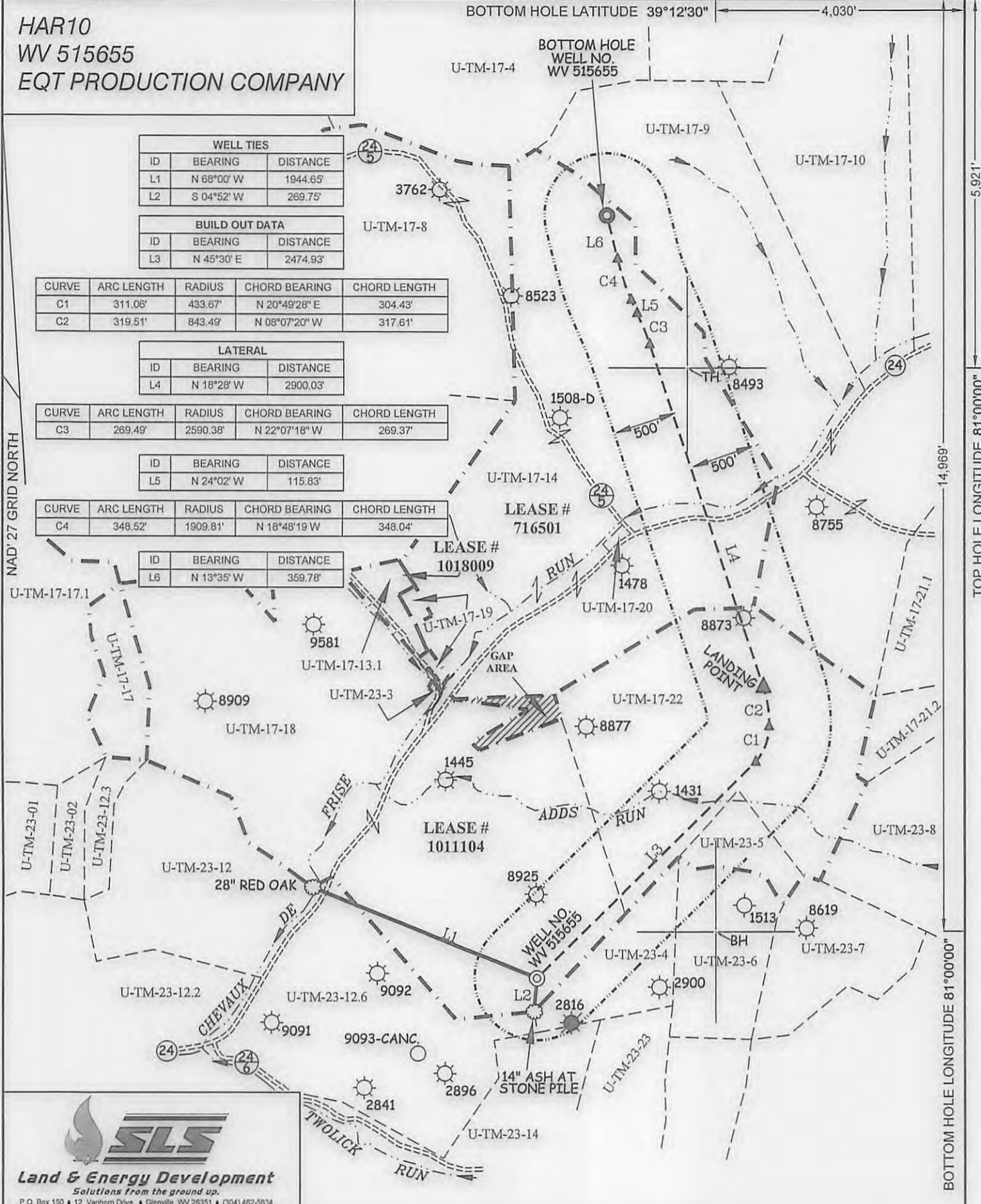
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C3	269.49'	2590.38'	N 22°07'18" W	269.37'

ID	BEARING	DISTANCE
L5	N 24°02' W	115.83'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C4	348.52'	1909.81'	N 18°48'19" W	348.04'

ID	BEARING	DISTANCE
L6	N 13°35' W	359.78'

NAD'27 GRID NORTH



5,921'

TOP HOLE LONGITUDE 81°00'00"
 BOTTOM HOLE LONGITUDE 81°00'00"

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 www.slsurveys.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)			
NAD'27 S.P.C.(FT)	N. 240,519.96	E. 1,570,121.91	
NAD'27 GEO.	LAT-(N) 39.150411	LONG-(W) 81.015839	
NAD'83 UTM (M)	N. 4,333,477.28	E. 498,645.88	
LANDING POINT			
NAD'27 S.P.C.(FT)	N. 242,853.64	E. 1,571,950.50	
NAD'27 GEO.	LAT-(N) 39.156902	LONG-(W) 81.009531	
NAD'83 UTM (M)	N. 4,334,197.53	E. 499,191.07	
BOTTOM HOLE			
NAD'27 S.P.C.(FT)	N. 246,688.74	E. 1,570,686.33	
NAD'27 GEO.	LAT-(N) 39.167235	LONG-(W) 81.014213	
NAD'83 UTM (M)	N. 4,335,344.20	E. 498,786.69	

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

10-28-16

(+) 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
- UNION DISTRICT TAX MAP-PARCEL

U-00-00

SCALE 1" = 1000' FILE NO. 8511P515655

DATE OCTOBER 28, 20 16

REVISED _____, 20 _____

OPERATORS WELL NO. WV 515655

API WELL NO. 47 — 085 — 10307

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 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

03/10/2017