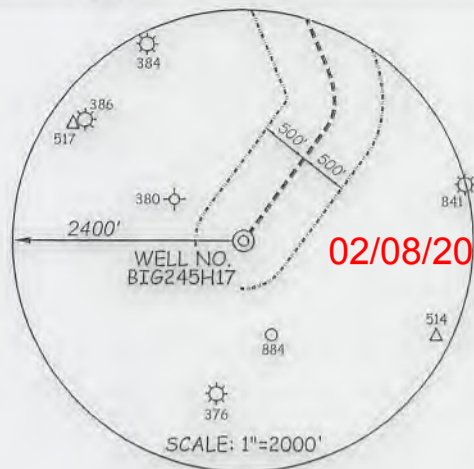


BIG245
BIG245H17
EQT PRODUCTION COMPANY

TAG	TM-PAR.	SURFACE OWNERS	ACRES
A	G-TM-3-2	JOSEPH F & GAY BLAKE IRREVOCABLE GRANTOR TR.	194 AC.
B	G-TM-3-5	COASTAL FOREST RESOURCES CO	179 AC.
C	G-TM-3-14	CHARLES STONEKING ET AL.	70.50 AC.
D	G-TM-3-15	CHARLES STONEKING ET AL.	45 AC.
E	G-TM-3-16	CHARLES STONEKING ET AL.	14.11 AC.
F	G-TM-3-18	VIRGINIA RUTH BLAKE	28.75 AC.
G	G-TM-3-19	JOSEPH R PERHAC	93.50 AC.
H	G-TM-3-23	COASTAL FOREST RESOURCES CO	167.75 AC.
I	G-TM-3-24	COASTAL FOREST RESOURCES CO	35.89 AC.
J	G-TM-3-25	CHARLES STONEKING ET AL.	34.4 AC.
K	G-TM-3-26	VIRGINIA RUTH BLAKE	20.69 AC.
L	G-TM-3-27	VIRGINIA RUTH BLAKE	45.83 AC.
M	G-TM-3-30	THOMAS E & CHERYL A LEASURE	51.80 AC.
N	G-TM-3-31	HEARTWOOD FORESTLAND FUND II LP	27.56 AC.
O	G-TM-3-34	MIKE & MADELINE WHITE	30.6 AC.
P	G-TM-8-1	DANNY STOCKSLAGER ET AL.	170 AC.
Q	G-TM-8-2	MIKE & MADELINE WHITE	40.13 AC.
R	G-TM-8-3	MIKE & MADELINE WHITE	3 AC.
S	G-TM-8-7	JAMES E & MARTIN A STONEKING	19.12 AC.
T	G-TM-8-8	WANDA L BYARD	59.16 AC.
U	G-TM-8-10	GARLAND E MINOR	48.1 AC.
V	G-TM-8-11	BONNIE M HENTHORNE	63.50 AC.
W	G-TM-8-12	SHIRLEY A TITUS	41.9 AC.
X	G-TM-8-12.1	DALE F SAPP	10.1 AC.
Y	G-TM-8-14	NEAL UTT	51 AC.
Z	G-TM-8-15	JOHN MICHAEL BYARD	71.60 AC.
AA	G-TM-8-21	IKEY JOE WILLEY	76.27 AC.
BB	G-TM-8-22	ET BLUEGRASS LLC, C/O EQT PRODUCTION CO	138.93 AC.
CC	G-TM-8-23	DALE K, JAMES L & DONALD J DULANEY	70.81 AC.
DD	G-TM-8-25	JAMES ARTHUR YOHO	6.25 AC.
EE	G-TM-8-27	JAMES ARTHUR YOHO	21.75 AC.
FF	G-TM-8-28	JAMES ARTHUR & FLORENCE YOHO	61 AC.
GG	G-TM-8-4	DUANE M GOODRICH	1,625 AC.
HH	G-TM-8-5	DUANE M GOODRICH	130 SQ RDS
II	G-TM-8-6	DUANE M GOODRICH	164 SQ RDS
JJ	G-TM-8-13	NEAL UTT	3.75 AC.
KK	G-TM-8-13.1	DUANE M GOODRICH	3.56 AC.
LL	G-TM-3-28	JOHN & BONNIE RICE	5 AC.
MM	G-TM-19-14	JOSEPH R PERHAC	88.5 AC.



NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS 2500 SQ. FT. OR GREATER WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
2. WELL SPOT CIRCLE (SHEET 1) AND TOPO MARK SCALE IS 1" = 200'.

ROYALTY OWNERS		
SHIBEN ESTATES INC. ET AL.	192 AC.± (160.96)	LEASE NO. 102836
EQT MINERAL PURCHASING GROUP, ET AL.	57 AC.±	LEASE NO. 125387
JOSEPH SHIBEN & MINNIE SHIBEN ESTATE ET AL.	1030 AC.±	LEASE NO. 102814

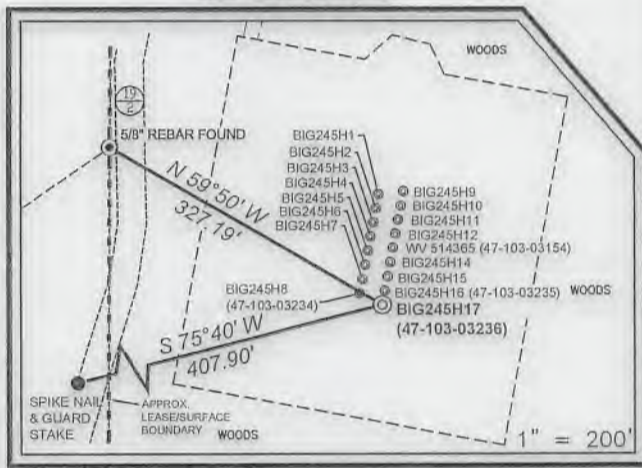
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT)	N. 400,664.67	E. 1,698,774.30
NAD'27 GEO.	LAT-(N) 39.595137	LONG-(W) 80.568955
NAD'83 UTM (M)	N. 4,382,920.986	E. 537,026.476
LANDING POINT		
NAD'27 S.P.C.(FT)	N. 402,449.73	E. 1,699,654.53
NAD'27 GEO.	LAT-(N) 39.600067	LONG-(W) 80.565907
NAD'83 UTM (M)	N. 4,383,469.311	E. 537,285.595
BOTTOM HOLE		
NAD'27 S.P.C.(FT)	N. 407,073.49	E. 1,697,691.59
NAD'27 GEO.	LAT-(N) 39.612696	LONG-(W) 80.573068
NAD'83 UTM (M)	N. 4,384,867.995	E. 536,664.093



TH

REFERENCES



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 1, 20 18
REVISED 08/06/18, 11/15/18, 11/30/18
OPERATORS WELL NO. BIG245H17
API WELL NO. 47-103-03236
STATE MD COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7812PBIG245H17-R3.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 1489' 1430' WATERSHED ROCKCAMP RUN OF WILLEY FORK
DISTRICT GRANT COUNTY WETZEL QUADRANGLE BIG RUN 7.5'
SURFACE OWNER ET BLUE GRASS, LLC ACREAGE 138.93±
ROYALTY OWNER SHIBEN ESTATES, INC ACREAGE 140±
PROPOSED WORK: LEASE NO. 125397
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 7531'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JASON RANSON
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

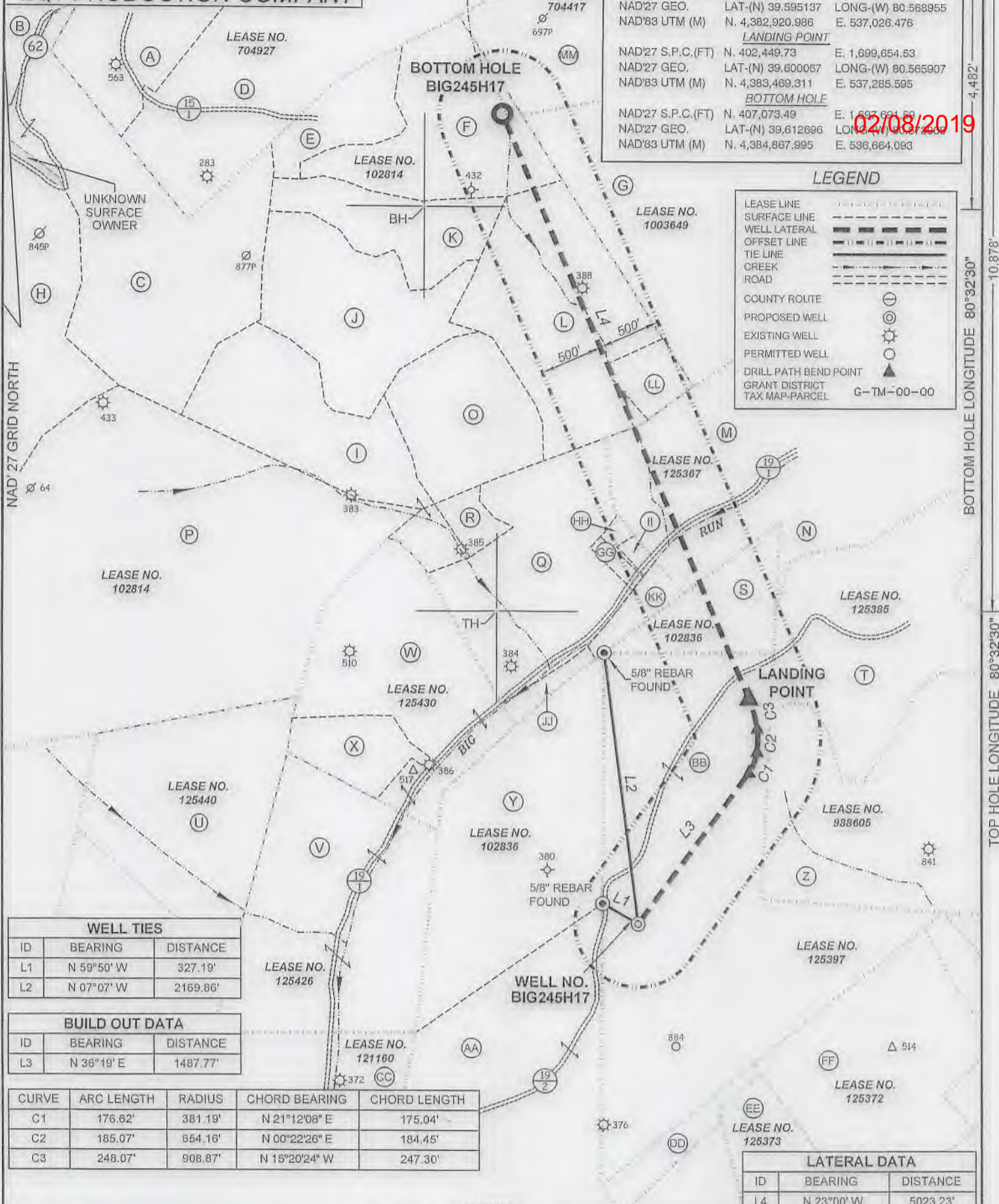
BOTTOM HOLE LONGITUDE 80°32'30" 10,878' TOP HOLE LONGITUDE 80°32'30"

**BIG245
BIG245H17
EQT PRODUCTION COMPANY**

BOTTOM HOLE LATITUDE 39°37'30" 8,847'

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

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NAD'83 UTM (M)	N. 4,384,867.995	E. 536,664.093



LEGEND

LEASE LINE	---
SURFACE LINE	----
WELL LATERAL	=====
OFFSET LINE	-----
TIE LINE	-----
CREEK	~~~~~
ROAD	-----
COUNTY ROUTE	⊖
PROPOSED WELL	⊙
EXISTING WELL	⊛
PERMITTED WELL	⊙
DRILL PATH BEND POINT	▲
GRANT DISTRICT TAX MAP-PARCEL	G-TM-00-00

WELL TIES

ID	BEARING	DISTANCE
L1	N 59°50' W	327.19'
L2	N 07°07' W	2169.86'

BUILD OUT DATA

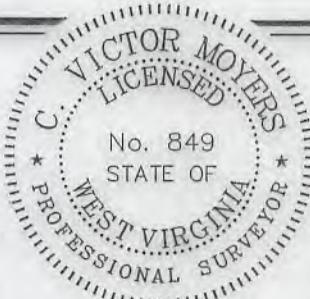
ID	BEARING	DISTANCE
L3	N 36°19' E	1487.77'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	176.62'	381.19'	N 21°12'08" E	175.04'
C2	185.07'	654.16'	N 00°22'26" E	184.45'
C3	248.07'	908.87'	N 15°20'24" W	247.30'

LATERAL DATA

ID	BEARING	DISTANCE
L4	N 23°00' W	5023.23'

SLS
Land & Energy Development
Solutions from the ground up.
P.O. Box 150 • 12 Vanhorn Drive • Glenville, WV 26351 • (304) 452-5634
www.slsurveyors.com



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
FILE NO. 7812PBIG245H17-R3.dwg SCALE 1"=1000'
DATE MAY 1, 20 18
REVISED 08/06/18, 11/15/18, 11/30/18
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P.S. 849 *C. Victor Moyers*

API WELL NO. 47 - 103 - 03230
STATE COUNTY PERMIT

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

WELL OPERATOR EQT PRODUCTION COMPANY
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

DESIGNATED AGENT JASON RANSON
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

BOTTOM HOLE LONGITUDE 80°32'30" 4,452'
 TOP HOLE LONGITUDE 80°32'30" 10,878'
 COUNTY NAME
 PERMIT

02/08/2019