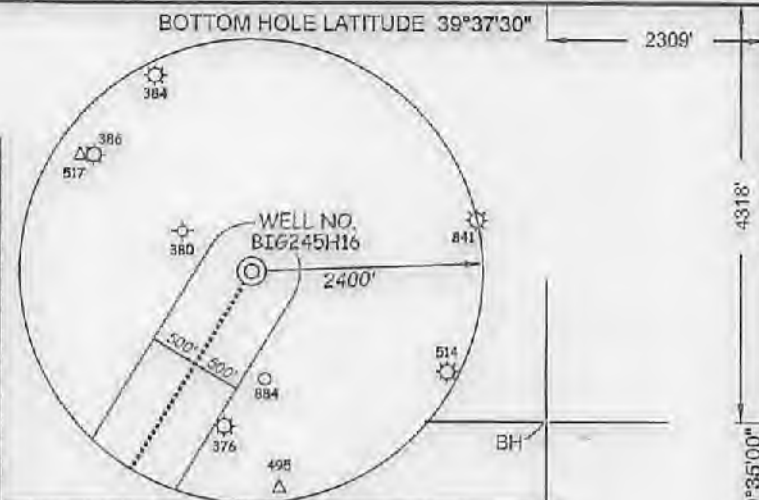


BIG245
BIG245H16
EQT PRODUCTION COMPANY

TAG	TM-PAR.	SURFACE OWNERS	ACRES
A	G-TM-3-2	JOSEPH F & GAY BLAKE IRREVOCABLE GRANTOR TR	194 AC.
B	G-TM-3-6	COASTAL FOREST RESOURCES CO	170 AC.
C	G-TM-3-6	VIRGINIA RUTH BLAKE	6.75 AC.
D	G-TM-3-10	CHARLES STONEKING ET AL	9.75 AC.
E	G-TM-3-11	VIRGINIA RUTH BLAKE	2.5 AC.
F	G-TM-3-15	EDWARD LEE DULANEY II	164.3/4 AC.
G	G-TM-3-14	CHARLES STONEKING ET AL	70.50 AC.
H	G-TM-3-15	CHARLES STONEKING ET AL	45 AC.
I	G-TM-3-16	CHARLES STONEKING ET AL	14.11 AC.
J	G-TM-3-16	VIRGINIA RUTH BLAKE	28.75 AC.
K	G-TM-3-23	COASTAL FOREST RESOURCES CO	167.75 AC.
L	G-TM-3-24	COASTAL FOREST RESOURCES CO	35.80 AC.
M	G-TM-3-25	CHARLES STONEKING ET AL	34.4 AC.
N	G-TM-3-26	VIRGINIA RUTH BLAKE	20.09 AC.
O	G-TM-3-27	VIRGINIA RUTH BLAKE	46.83 AC.
P	G-TM-3-30	THOMAS E & CHERYL A LEASURE	51.80 AC.
Q	G-TM-3-31	HEARTWOOD FORESTLAND FUND II LP	27.58 AC.
R	G-TM-3-34	MIKE & MADELINE WHITE	30.6 AC.
S	G-TM-7-3	COASTAL FOREST RESOURCES CO	178 AC.
T	G-TM-7-3.2	COASTAL FOREST RESOURCES CO	155.98 AC.
U	G-TM-8-1	DANNY STOCKSLAGER ET AL	17.0 AC.
V	G-TM-8-2	MIKE & MADELINE WHITE	40.13 AC.
W	G-TM-8-3	MIKE & MADELINE WHITE	3 AC.
X	G-TM-8-4	DUANE M GOODRICH	1.625 AC.
Y	G-TM-8-5	DUANE M GOODRICH	130.30 RDS
Z	G-TM-8-6	DUANE M GOODRICH	164.50 RDS
AA	G-TM-8-7	JAMES E & MARTIN A STONEKING	19.12 AC.
BB	G-TM-8-8	WANDA L BYARD	59.16 AC.
CC	G-TM-8-10	GARLAND E MINOR	48.1 AC.
DD	G-TM-8-11	BONNIE M HENTHORNE	63.1/2 AC.
EE	G-TM-8-12	SHIRLEY A TITUS	41.9 AC.
FF	G-TM-8-12.1	DALE F SAPP L/E, LOLA J SAPP	10.1 AC.
GG	G-TM-8-10	NEAL UTT	3.75 AC.
HH	G-TM-8-13.1	DUANE M GOODRICH	3.66 AC.
II	G-TM-8-14	NEAL UTT	51 AC.
JJ	G-TM-8-15	JOHN MICHAEL BYARD	71.60 AC.
KK	G-TM-8-16	COASTAL FOREST RESOURCES	357 AC.
LL	G-TM-8-18	PHILLIP & KIMBERLY BRIGHT	46.45 AC.
MM	G-TM-8-21	KEY JOE WILLEY	76.27 AC.
NN	G-TM-8-22	ET BLUEGRASS LLC, C/O EQT PRODUCTION CO	138.93 AC.
OO	G-TM-8-23	DALE K, JAMES L & DONALD J DULANEY	70.81 AC.
PP	G-TM-8-23.1	JAMES L DULANEY	3.19 AC.
QQ	G-TM-8-25	JAMES ARTHUR YOHO	6.25 AC.



SUBSURFACE AGREEMENT		
KEY JOE WILLEY	76.27 AC±	G-TM-08-21
ROYALTY OWNERS		
STONE HILL MINERAL HOLDINGS, LLC ET AL.	60 AC±	LEASE NO. 121807
ACROPOLIS, INC ET AL.	74 AC±	LEASE NO. 121160
BONNIE M. HENTHORNE	64 AC±	LEASE NO. 125426
GARLAND E. MINOR ET AL.	40 AC±	LEASE NO. 125440
JOSEPH SHIBEN & MINNIE SHIBEN ESTATE ET AL.	1030 AC±	LEASE NO. 102814
SHIBEN ESTATES INC. ET AL.	109 AC±	LEASE NO. 102813

TAG	TM-PAR.	SURFACE OWNERS	ACRES
RR	G-TM-8-27	JAMES ARTHUR YOHO	21.75 AC.
SS	G-TM-8-28	JAMES ARTHUR YOHO	61 AC.
TT	G-TM-8-28	DALE K & SHERRY L DULANEY	29.82 AC.
UU	G-TM-8-36	DORN H HIGGINSBATHAM ET AL	23.62 AC.
VV	G-TM-8-33	DORN H HIGGINSBATHAM ET AL	195.21 AC.
WW	G-TM-8-36.1	JAMES L DULANEY	1.37 AC.
XX	G-TM-8-37	JAMES L & KAREN DULANEY	14.1 AC.
YY	G-TM-8-36	JAMES L & KAREN DULANEY	14.1 AC.
ZZ	G-TM-8-30	JAMES & JIM YOHO	7.80 AC.
AAA		FRANKLIN M. BLAKE HEIRS AND/OR ASSIGNS	3.25 AC.

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'27 S.P.C.(FT) N. 400,679.42 E. 1,696,777.05
 NAD'27 GEO. LAT-(N) 39.595178 LONG-(W) 80.588946
 NAD'83 UTM (M) N. 4,382,925.493 E. 537,027.237

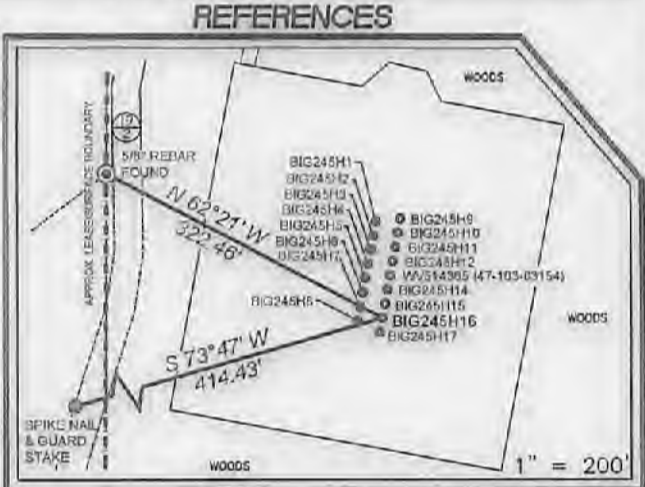
LANDING POINT
 NAD'27 S.P.C.(FT) N. 389,280.73 E. 1,896,508.14
 NAD'27 GEO. LAT-(N) 39.688518 LONG-(W) 80.576895
 NAD'83 UTM (M) N. 4,382,183.144 E. 536,348.147

BOTTOM HOLE
 NAD'27 S.P.C.(FT) N. 407,800.07 E. 1,692,492.47
 NAD'27 GEO. LAT-(N) 39.613146 LONG-(W) 80.591531
 NAD'83 UTM (M) N. 4,384,910.536 E. 535,078.948



NOTES ON SURVEY

- 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.
- WELL SPOT CIRCLE (SHEET 1) AND TOPO MARK SCALE ARE 1" = 200'.



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 MAY 1, 20 18
 REVISED _____
 OPERATORS WELL NO. BIG245H16
 API WELL NO. 47-103-03235
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7812PBIG245H16.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: GROUND ELEV. 1488' PROPOSED ELEV. 1430' WATERSHED ROCKCAMP RUN OF WILLEY FORK
 PAD ELEVATION 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± LEASE NO. 125397

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 7532'

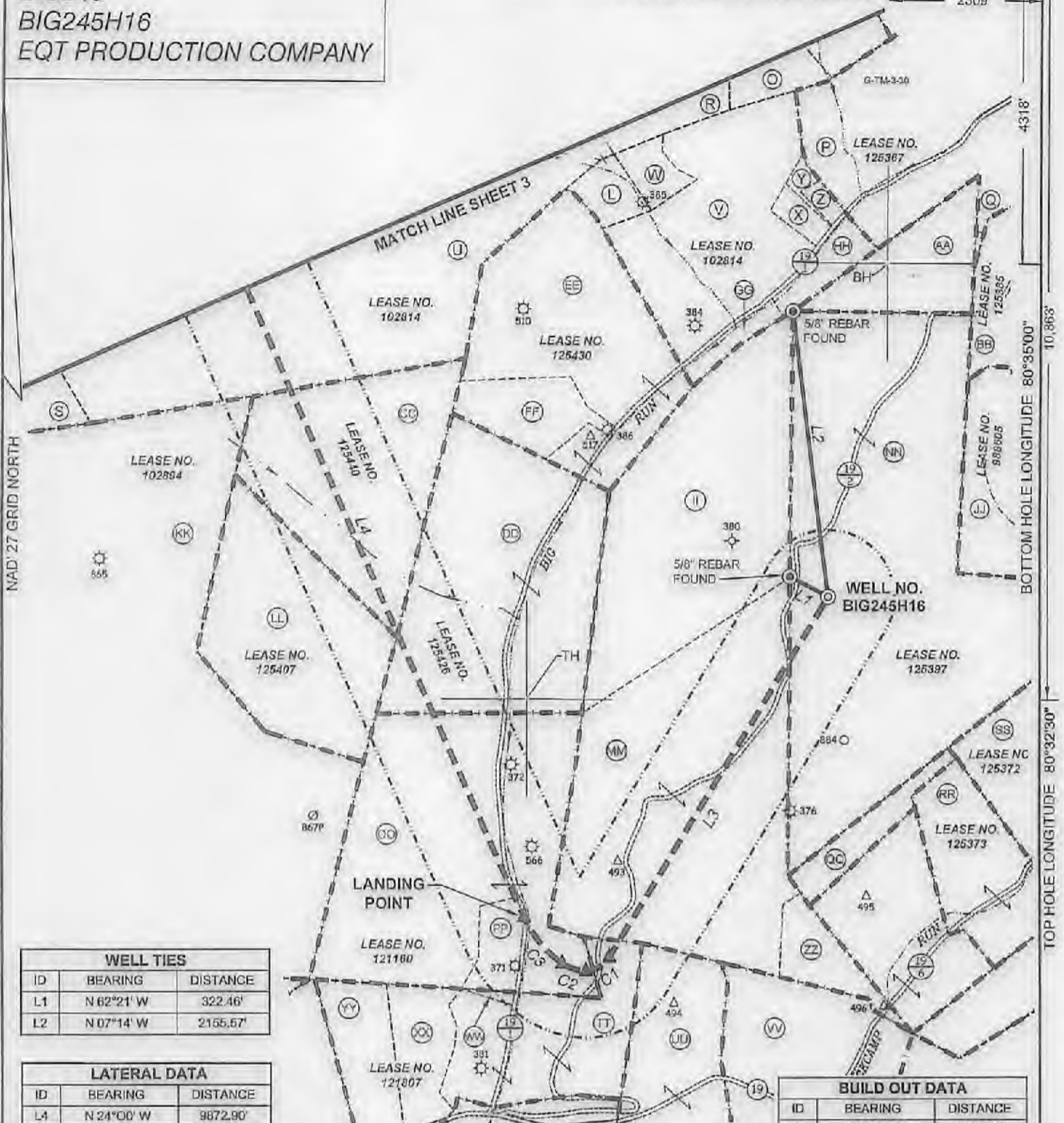
WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JASON RANSON
 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

TOP HOLE LONGITUDE 80°36'00" TOP HOLE LONGITUDE 80°32'30" COUNTY NAME PERMIT

BIG245
BIG245H16
EQT PRODUCTION COMPANY

NAD'27 GRID NORTH

BOTTOM HOLE LONGITUDE 80°35'00"
 TOP HOLE LONGITUDE 80°32'30"



WELL TIES		
ID	BEARING	DISTANCE
L1	N 62°21' W	322.46'
L2	N 07°14' W	2155.57'

LATERAL DATA		
ID	BEARING	DISTANCE
L4	N 24°00' W	9872.90'

BUILD OUT DATA			
ID	BEARING	DISTANCE	
L3	S 31°13' W	3154.69'	

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	211.81'	208.84'	S 58°30'41" W	202.66'
C2	190.14'	326.63'	N 72°45'56" W	187.47'
C3	455.29'	807.87'	N 38°55'11" W	449.29'

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'27 S.P.C.(FT) N. 400,679.42 E. 1,696,777.05
 NAD'27 GEO. LAT.(N) 39.595178 LONG.(W) 80.568946
 NAD'83 UTM (M) N. 4,382,925.493 E. 537,027.237
LANDING POINT
 NAD'27 S.P.C.(FT) N. 398,280.73 E. 1,696,508.14
 NAD'27 GEO. LAT.(N) 39.588518 LONG.(W) 80.576895
 NAD'83 UTM (M) N. 4,382,183.144 E. 536,348.147
BOTTOM HOLE
 NAD'27 S.P.C.(FT) N. 407,300.07 E. 1,692,492.47
 NAD'27 GEO. LAT.(N) 39.613146 LONG.(W) 80.591531
 NAD'83 UTM (M) N. 4,384,910.636 E. 535,078.948



(+) 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: O
- DRILL PATH BEND POINT: Δ
- GRANT DISTRICT TAX MAP-PARCEL: G-TM-00-00

SCALE 1" = 1000' FILE NO. 7812PBIG245H16.dwg
 DATE MAY 1, 2018
 REVISED _____
 OPERATORS WELL NO. BIG245H16
 API WELL NO. 47
 STATE COUNTY PERMIT

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

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT JASON RANSON
 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

08/03/2018

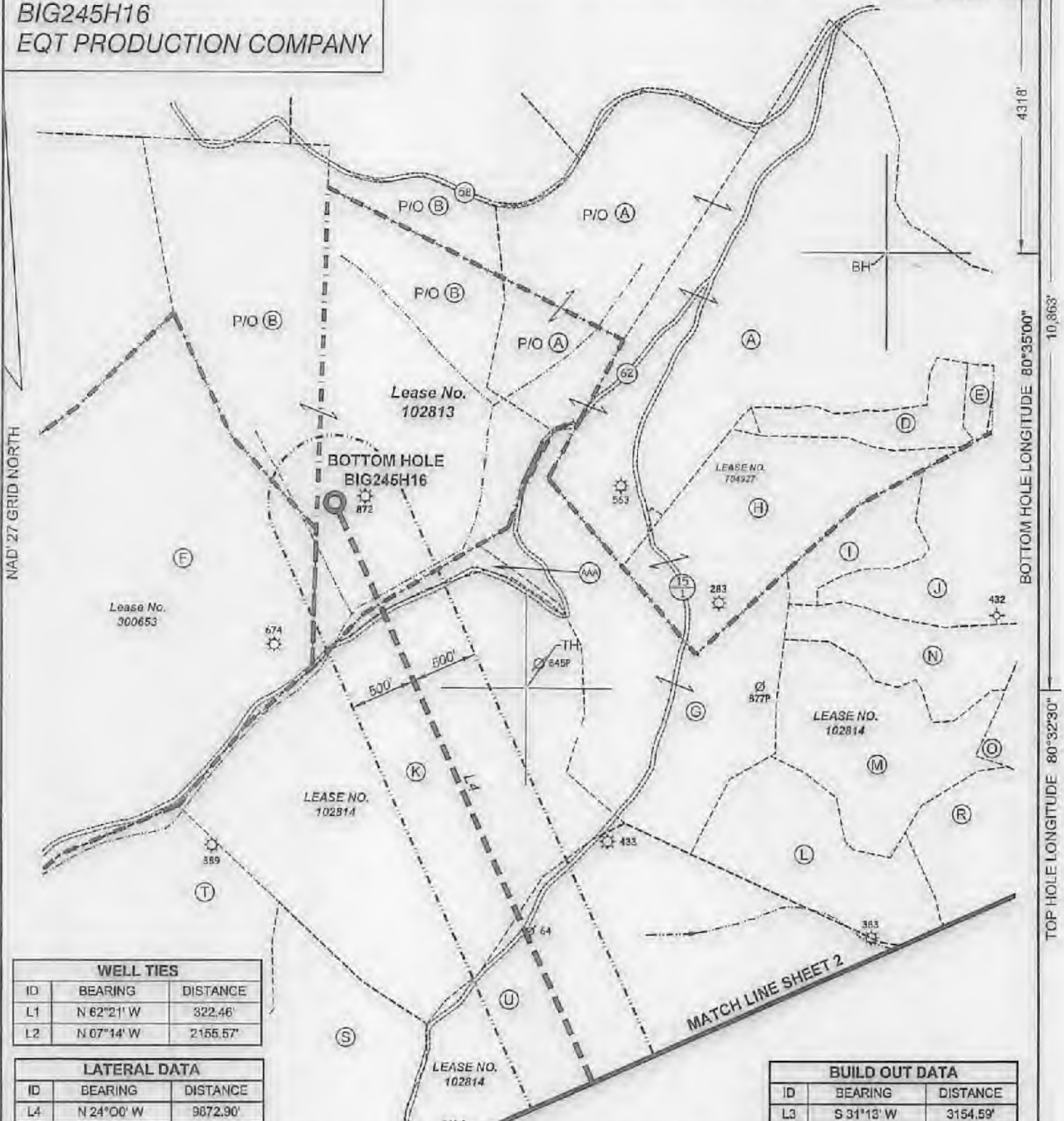
BIG245
BIG245H16
EQT PRODUCTION COMPANY

NAD'27 GRID NORTH

BOTTOM HOLE LONGITUDE 80°35'00"

10,863'

TOP HOLE LONGITUDE 80°32'30"



WELL TIES		
ID	BEARING	DISTANCE
L1	N 62°21' W	322.46'
L2	N 07°14' W	2155.57'

LATERAL DATA		
ID	BEARING	DISTANCE
L4	N 24°00' W	9672.90'

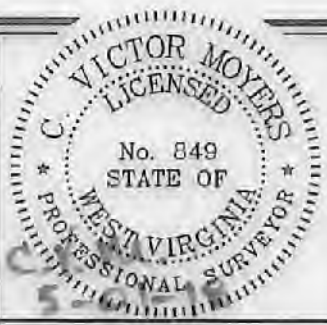
BUILD OUT DATA		
ID	BEARING	DISTANCE
L3	S 31°13' W	3154.59'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
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C3	455.29'	807.67'	N 38°55'11" W	449.29'

SLS
Land & Energy Development
Solutions from the ground up.
 P.O. Box 150 • 12 Vanhook Drive • Glenville, WV 26331 • (304) 462-9934
 www.slsurveys.com

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

NAD'27 S.P.C.(FT)	N. 400,679.42	E. 1,699,777.05
NAD'27 GEO.	LAT-(N) 39.595178	LONG-(W) 80.568346
NAD'83 UTM (M)	N. 4,082,925.493	E. 537,027.237
<u>LANDING POINT</u>		
NAD'27 S.P.C.(FT)	N. 398,280.73	E. 1,093,508.14
NAD'27 GEO.	LAT-(N) 39.588519	LONG-(W) 80.576895
NAD'83 UTM (M)	N. 4,082,189.144	E. 536,343.147
<u>BOTTOM HOLE</u>		
NAD'27 S.P.C.(FT)	N. 407,900.07	E. 1,692,492.47
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NAD'83 UTM (M)	N. 4,364,910.596	E. 535,078.948



(+) 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	⊙
DRILL PATH BEND POINT	▲
GRANT DISTRICT TAX MAP-PARCEL	G-TM-00-00

SCALE 1" = 1000' FILE NO. 7812P/BIG245H16.dwg
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 NO. STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
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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

COUNTY NAME
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08/03/2018