

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-3-6	COASTAL FOREST RESOURCES CO	179 AC.
C	G-TM-3-6	VIRGINIA RUTH BLAKE	5.75 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-3-13	EDWARD LEE DULANEY, II	164.75 AC.
G	G-TM-3-14	CHARLES STONEKING ET AL.	79.50 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-3-18	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	35.89 AC.
M	G-TM-3-25	CHARLES STONEKING ET AL.	34.4 AC.
N	G-TM-3-25	VIRGINIA RUTH BLAKE	20.69 AC.
O	G-TM-3-27	VIRGINIA RUTH BLAKE	45.83 AC.
P	G-TM-3-30	THOMAS F & CHERYL A LEASURE	51.80 AC.
Q	G-TM-3-31	HEARTWOOD FORESTLAND FUND II LP	27.56 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	156.58 AC.
U	G-TM-9-1	DANNY STOCKSLAGER ET AL.	170 AC.
V	G-TM-8-2	MIKE & MADELINE WHITE	40.19 AC.
W	G-TM-8-2	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 SQ RDS
Z	G-TM-8-6	DUANE M GOODRICH	164 SQ RDS
AA	G-TM-8-7	JAMES E & MARTIN A STONEKING	19.12 AC.
BB	G-TM-8-8	WANDA L BYARD	59.18 AC.
CC	G-TM-8-10	GARLAND E MINOR	48.1 AC.
DD	G-TM-8-11	BONNIE M HENTHORNE	63.50 AC.
EE	G-TM-8-12	SHIRLEY A TITUS	41.9 AC.
FF	G-TM-8-12-1	DALE T SAPP DE, LOLA J SAPP	10.1 AC.
GG	G-TM-8-13	NEAL UTI	51 AC.
HH	G-TM-8-13-1	DUANE M GOODRICH	3.56 AC.
II	G-TM-8-14	NEAL UTI	51 AC.
JJ	G-TM-8-15	JOHN MICHAEL BYARD	71.60 AC.
KK	G-TM-8-16	COASTAL FOREST RESOURCES	337 AC.
LL	G-TM-8-19	PHILLIP & KIMBERLY BRENT	46.45 AC.
MM	G-TM-8-21	IKEY 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	625 AC.



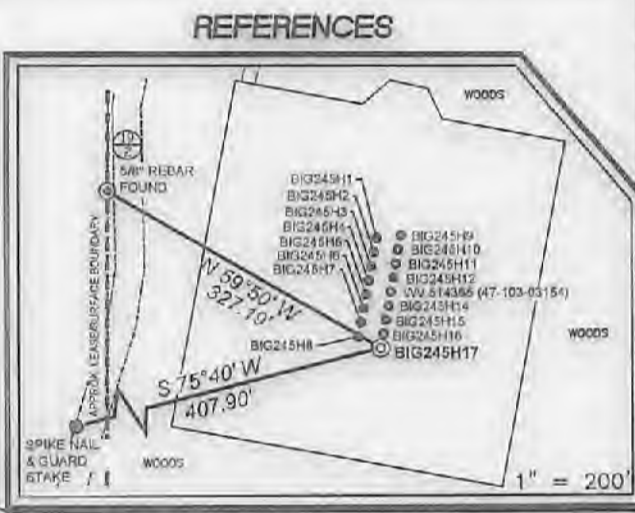
SUBSURFACE AGREEMENT		
IKEY JOE WILLEY	75.26 AC.±	G-TM 08-21
ROYALTY OWNERS		
ACCROPOLIS INC. ET AL	74 AC.±	LEASE NO. 121180
EQT PRODUCTION COMPANY	300 AC.±	LEASE NO. 102894
NORMA JEAN PHILLIPS RIGGS ET AL.	46.45 AC.±	LEASE NO. 125407
JOSEPH SHIBEN & MINNIE SHIBEN ESTATE ET AL.	1030 AC.±	LEASE NO. 102814

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	91 AC.
TT	G-TM-8-38	DALE K & SHERRY L DULANEY	28.82 AC.
UU	G-TM-8-39	DORN H HIGGINBATHAM ET AL	23.52 AC.
VV	G-TM-8-59	DORN H HIGGINBATHAM ET AL	196.21 AC.
WW	G-TM-13-8-1	COASTAL FOREST RESOURCES COMPANY	65.06 AC.
XX	G-TM-8-35	DEBRA FRONCZEK ET AL	15 1/2 AC.
YY	G-TM-8-35	JAMES L & KAREN DULANEY	14.1 AC.
ZZ	G-TM-8-37	JAMES L & KAREN DULANEY	14.1 AC.
AAA	G-TM-8-30	JAMES & JIM YOHO	7.50 AC.
BBB	G-TM-8-38,1	JAMES L DULANEY	137 AC.
CCC		FRANKLIN M. BLAKE HEIRS AND/OR ASSIGNS	3.25 AC.

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD27 S.P.C.(FT) N. 400,964.67 E. 1,698,774.30
 NAD27 GEO. LAT.(N) 39.595137 LONG.(W) 80.568955
 NAD83 UTM (M) N. 4,382,920.068 E. 537,026.476
LANDING POINT
 NAD27 S.P.C.(FT) N. 399,256.77 E. 1,696,503.84
 NAD27 GEO. LAT.(N) 39.588422 LONG.(W) 80.580137
 NAD83 UTM (M) N. 4,392,171.183 E. 536,699.714
BOTTOM HOLE
 NAD27 S.P.C.(FT) N. 405,969.50 E. 1,696,204.87
 NAD27 GEO. LAT.(N) 39.609208 LONG.(W) 80.592490
 NAD83 UTM (M) N. 4,384,472.93 E. 534,998.591



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 ARE 1" = 2000'.



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. C. Victor Moyers
 849



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MAY 1 20 18
 REVISED _____
 OPERATORS WELL NO. BIG245H17
 API WELL NO. 47-103-03216
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7812PBIG245H17.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 INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: GROUND ELEV. 1489' 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±
 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 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

BOTTOM HOLE LONGITUDE 80°33'500"

TOP HOLE LONGITUDE 80°32'30"

COUNTY NAME

PERMIT

08/03/2018

BIG245
BIG245H17
EQT PRODUCTION COMPANY

BOTTOM HOLE LATITUDE 39°37'30"

2580'

LATERAL DATA		
ID	BEARING	DISTANCE
L4	N 24°00' W	8332.08'

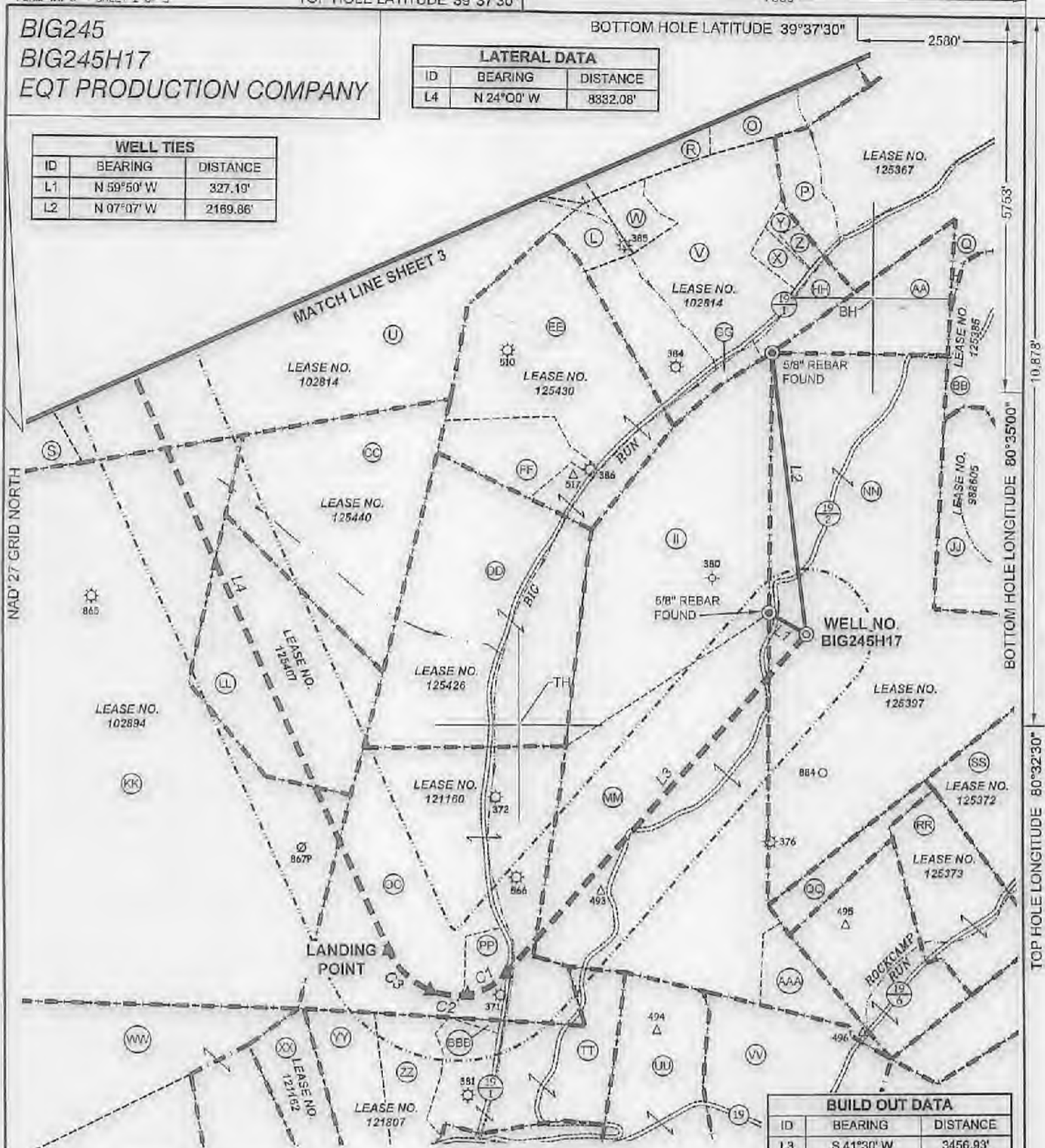
WELL TIES		
ID	BEARING	DISTANCE
L1	N 59°50' W	327.19'
L2	N 07°07' W	2169.86'

NAD'27 GRID NORTH

5753'

BOTTOM HOLE LONGITUDE 80°35'00"

TOP HOLE LONGITUDE 80°32'30"



BUILD OUT DATA		
ID	BEARING	DISTANCE
L3	S 41°30' W	3456.93'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	342.29'	496.79'	S 81°05'12\" W	335.56'
C2	287.48'	522.46'	N 83°10'01\" W	283.87'
C3	452.24'	593.96'	N 45°25'29\" W	441.40'

SLS
Land & Energy Development
 Solutions from the ground up.
 P.O. Box 150 • 12, Wyanboro Drive • Glenville, WV 26031 • (304) 862-3804
 www.slsurveyors.com

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 NAD'27 GEO. LAT-(N) 39.609206 LONG (W) 80.592490
 NAD'83 UTM (M) N. 4,384,472.93 E. 534,998.501



(+) 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

SCALE 1" = 1000' FILE NO. 7812PBIG245H17.dwg
 DATE MAY 1, 2018
 REVISED _____
 OPERATORS WELL NO. BIG245H17
 API WELL NO. 47
 NO. STATE COUNTY PERMIT

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 ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

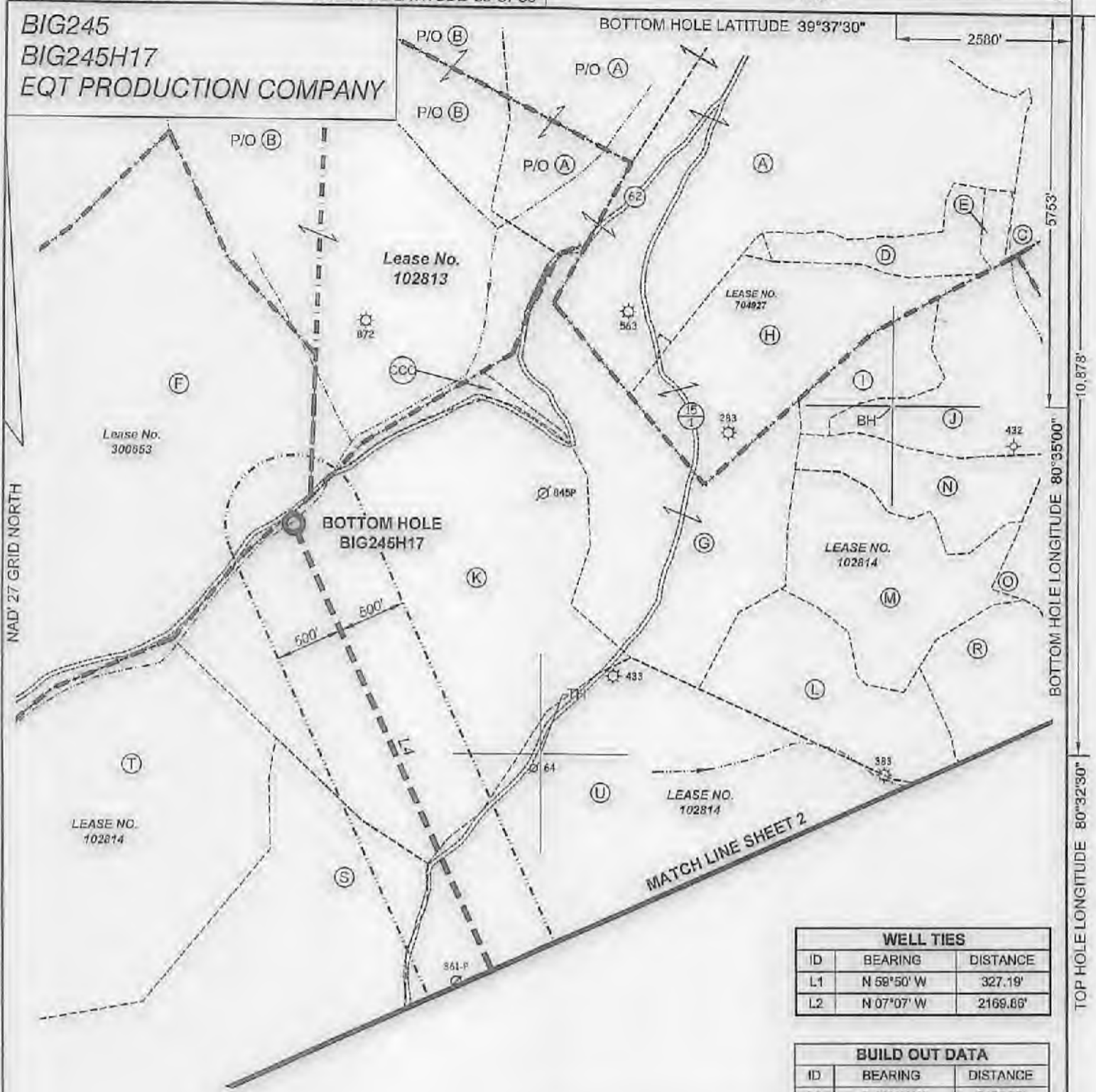
DESIGNATED AGENT JASON RANSON
 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280
 BRIDGEPORT, WV 26330

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