

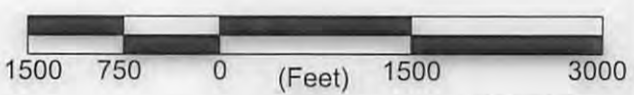
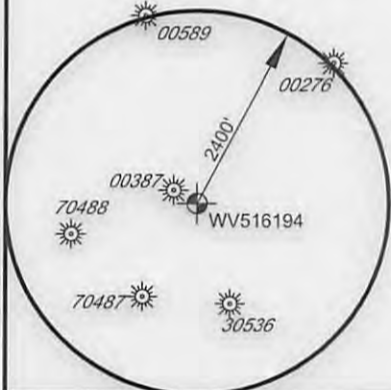
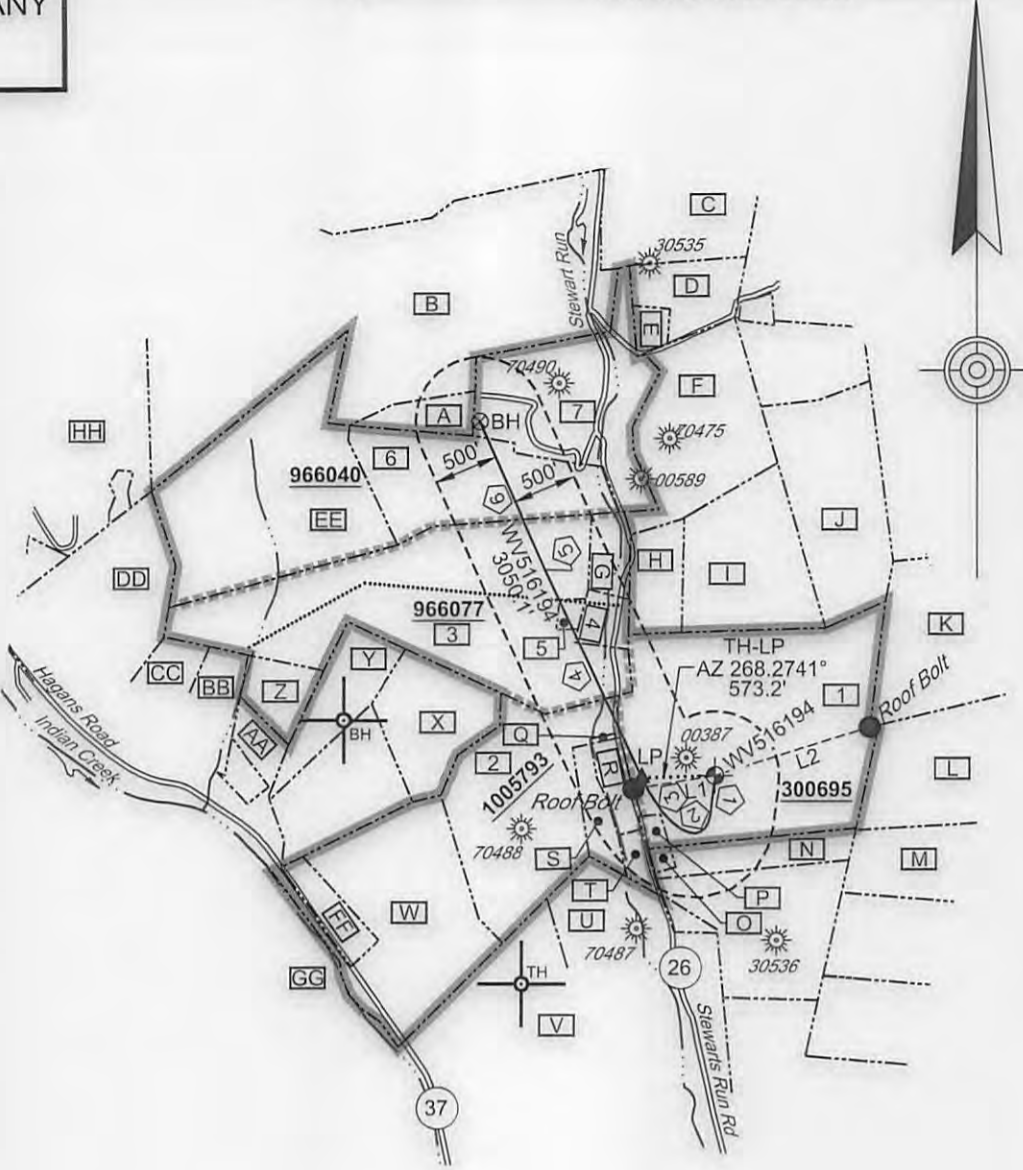
LEGEND

- OUTER LEASE BOUNDARY
- LEASE BOUNDARY
- SURFACE TRACT LINES
- WELL REFERENCE LINES
- ⊙ - COUNTY ROADS
- PUBLIC ROADS
- BLUE-LINE STREAMS
- ⊗ - PROPOSED WELL
- ☀ - EXISTING WELL
- ▲ - LANDING POINT
- ⊗ - BOTTOM HOLE
- 1 - PROPERTY CROSSED BY BORE
- A - ADJOINER PROPERTY
- 870015 - LEASE NUMBER
- # - BORE GEOMETRY TAB

HORIZONTAL BORE GEOMETRY

- ① AZ 006.8271° 293.3'
- ② R-138' L-309.1'
- ③ R-887' L-526.4'
- ④ AZ 335.0000° 1757.4'
- ⑤ R-5280' L-33.8'
- ⑥ AZ 336.0133° 1258.9'

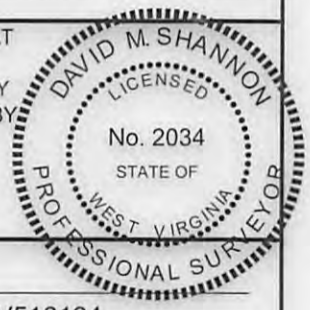
PROPERTY TIES		
L1	S80°47'W	647.4'
L2	N72°43'E	1267.7'



FILE NO. 7936-004  
 DRAWN BY DMS  
 SCALE 1 INCH = 1500 FEET  
 MIN DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION SURVEY GRADE GPS

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

*David M. Shannon* PS #2034



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



W.V.D.E.P.  
 OFFICE OF OIL AND GAS  
 601 57TH STREET  
 CHARLESTON, WV 25304

DATE 12-7-2016  
 OPERATORS WELL NO. WV516194  
 API WELL NO. 47 061  
 STATE COUNTY PERMIT 01764 HGA

WELL TYPE: OIL  GAS  LIQUID INJECTION   
 IF "GAS", PRODUCTION  STORAGE  DEEP   
 LOCATION: WATERSHED INDIAN CREEK (HUC12) STEWART RUN (LOCAL)  
 COUNTY/DISTRICT MONONGALIA / GRANT  
 SURFACE OWNER GORDON W. & SHEILA M. LAWSON  
 OIL & GAS ROYALTY OWNER BETTY JO BINZ

WASTE DISPOSAL   
 SHALLOW   
 ELEVATION (EXIST) 1158.0 (PROP) 1157.0  
 QUADRANGLE RIVESVILLE - SEC 1  
 ACREAGE 72.02±  
 ACREAGE 73.00± LEASE# 300695

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG & ABANDON   
 CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY)

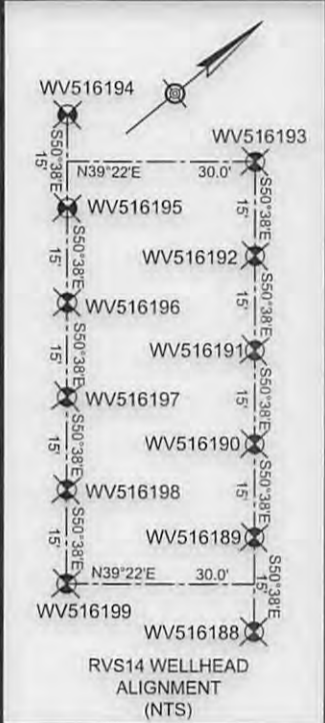
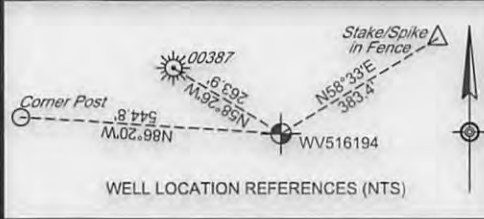
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH 7400  
 WELL OPERATOR: EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
 ADDRESS 115 PROFESSIONAL PLACE, PO BOX 280 BRIDGEPORT, WV 26330  
 ADDRESS 115 PROFESSIONAL PLACE, PO BOX 280 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

06/02/2017

**EQT PRODUCTION COMPANY**  
**WELL # 516194**  
**PAGE 2 OF 2**

UTM NAD83 ZONE 17N (METERS)	TOPHOLE	N-4383327.42	E-576953.50
	LANDING PT	N-4383319.24	E-576779.03
	BOT HOLE	N-4384157.85	E-576378.46
NAD27 SPC FEET NORTH ZONE	TOPHOLE	N-399811.11	E-1829810.06
	LANDING PT	N-399793.85	E-1829237.15
	BOT HOLE	N-402567.52	E-1827968.66
NAD27 GEO LAT(N) LONG(W)	TOPHOLE	N039.596144	W080.103949
	LANDING PT	N039.596086	W080.105982
	BOT HOLE	N039.603677	W080.110550



SURFACE PROPERTIES CROSSED BY BORE					
TAB	OWNER	DISTRICT	TAX MAP	PARCEL #	AREA±
1	GORDON WAYNE AND SHEILA M. LAWSON	GRANT	7-17	57	72.02
2	MERIT DEVELOPMENT, INC	GRANT	7-17	36	36.07
3	JIMMY L. AND RENITA D. SHISLER	GRANT	7-17	35	68.3362
4	JAMES L. ROGERS AND HOWARD WAYNE CORELY, JR	GRANT	7-17	35.2	3.521
5	JIMMY L. AND RENITA D. SHISLER	GRANT	7-17	35.3	1.48
6	WILLIAM CARTER AND REBECCA ROSE HARRIS	GRANT	7-10	21.1	26.88
7	WILLIAM CARTER AND REBECCA ROSE HARRIS	GRANT	7-10	21	85.64

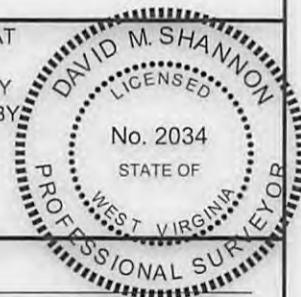
SURFACE PROPERTIES ADJOINING THOSE CROSSED BY BORE (ABOVE)					
TAB	OWNER	DISTRICT	TAX MAP	PARCEL #	AREA±
A	UNKNOWN	GRANT	7-10	21(PART)	4.6
B	TIMOTHY P. ZAHARKO	GRANT	7-10	20	102.19
C	HAROLD D. FISHER	GRANT	7-10	23	23.884
D	EARL L. AND CHRISTINE FISHER BREEDLOVE	GRANT	7-10	23.1	9.362
E	JOHN LONDON FISHER	GRANT	7-10	23.2	2.12
F	TIMOTHY ZAHARKO	GRANT	7-10	22	27.76
G	JAMES L. ROGERS AND HOWARD WAYNE CORELY, JR	GRANT	7-17	35.1	4.511
H	JAMES L. AND SHEILA M. LAWSON	GRANT	7-17	58.1	8
I	GORDON W. AND SHEILA M. LAWSON	GRANT	7-17	58	24.5
J	TIMOTHY ZAHARKO	GRANT	7-17	59	28.54
K	GORDON WAYNE AND SHEILA M. LAWSON	GRANT	7-17	60	52.323
L	GORDON LAWSON, ETAL	GRANT	7-17	63	92.682
M	GORDON LAWSON, ETAL	GRANT	7-17	63	92.682
N	GORDON WAYNE AND SHEILA M. LAWSON	GRANT	7-17	54.2	8
O	LEONARD DALE AND RHONDA LYNN FOX	GRANT	7-17	54.1	0.76
P	LEONARD DALE AND RHONDA LYNN FOX	GRANT	7-17	56	UNLISTED
Q	MERIT DEVELOPMENT, INC	GRANT	7-17	36.1	.18
R	ALFRED GLOVER, JR	GRANT	7-17	37	3.765
S	RESERVE COAL PROPERTIES CO.	GRANT	7-17	38	4.355
T	LEONARD DALE AND RHONDA LYNN FOX	GRANT	7-17	39	2.18
U	GORDON WAYNE AND SHEILA M. LAWSON	GRANT	7-17	40	68
V	RESERVE COAL PROPERTIES	GRANT	7-17	23.7	40.144
W	RESERVE COAL PROPERTIES CO.	GRANT	7-17	33	21.13
X	LAURITA EXCAVATING	GRANT	7-17	34	16.077
Y	DALE ALLEN ESTLE	GRANT	7-17	29	11.785
Z	JIMMY L. AND RENITA D. SHISLER	GRANT	7-17	28	5.76
AA	DALE ALLEN ESTLE	GRANT	7-17	27	7.277
BB	ARTHUR WILLIAM AND CONNIE ELAINE SISLER MCCRAY	GRANT	7-17	26	6.44

LEASE#	MINERAL OWNERS	AREA
300695	BETTY JO BINZ	73±
1005793	ET BLUE GRASS, LLC	89.5±
966077	LYNN ANN NICHOLAS AKA LYNN ANN LILLER	77.58±
966040	WILLIAM CARTER AND REBECCA ROSE HARRIS	107.83±

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