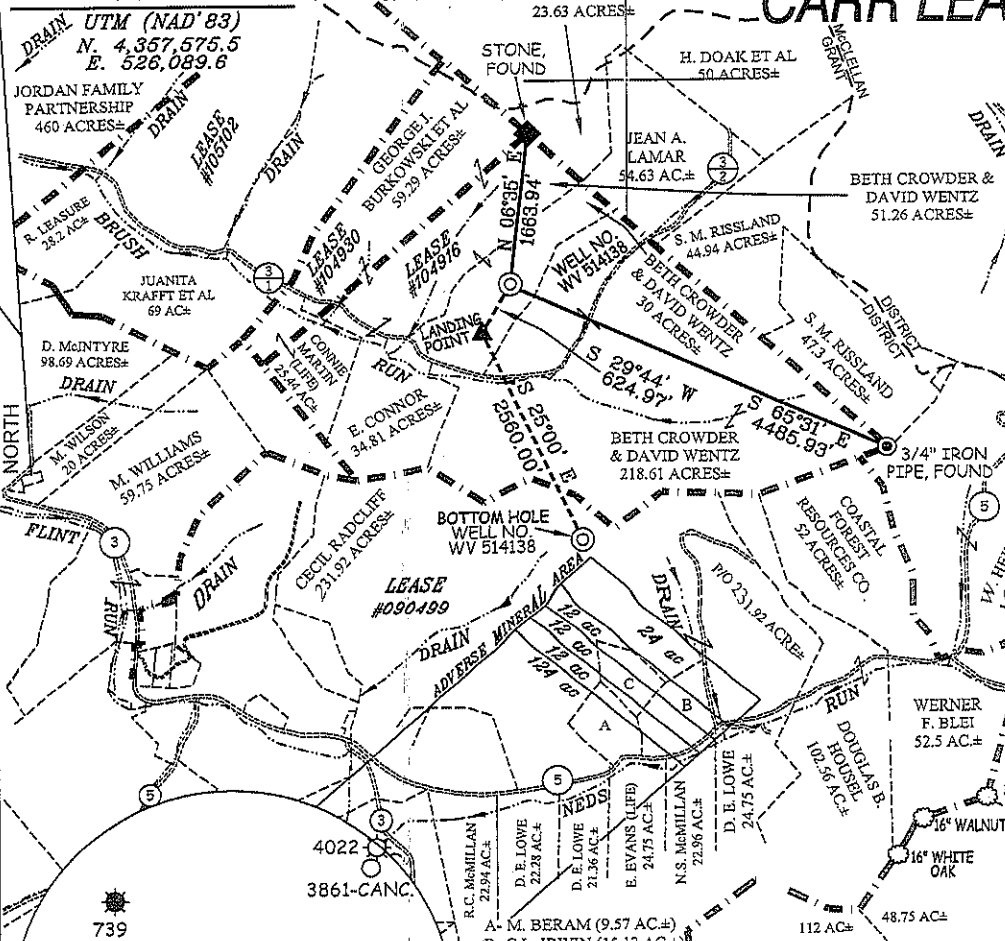


WELL NO. WV 514138  
STATE PLANE COORDINATES  
NORTH ZONE (NAD'27)

N. 318,094.4  
E. 1,661,500.0

LAT=(N) 39.367164  
LONG=(W) 80.697310

# EQT PRODUCTION COMPANY WELL NO. WV 514138 CARR LEASE 351 AC±



LANDING POINT  
WELL NO. WV 514138  
STATE PLANE COORDINATES  
NORTH ZONE (NAD'27)

N. 317,551.7  
E. 1,661,190.0

LAT=(N) 39.365663  
LONG=(W) 80.698380

UTM (NAD'83)  
N. 4,357,408.6  
E. 525,998.0

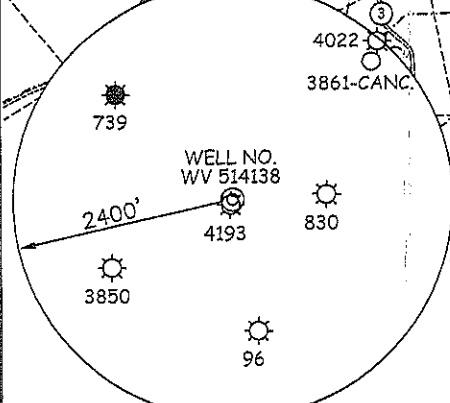
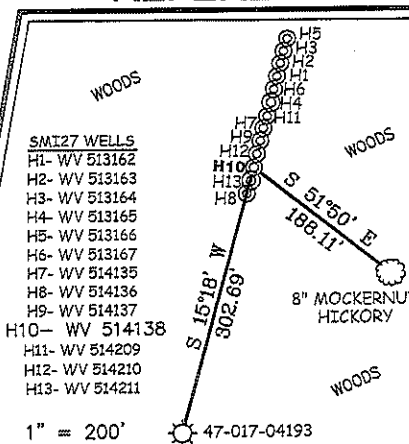
BOTTOM HOLE  
WELL NO. WV 514138  
STATE PLANE COORDINATES  
NORTH ZONE (NAD'27)

N. 315,291.6  
E. 1,662,271.9

LAT=(N) 39.359333  
LONG=(W) 80.694445

UTM (NAD'83)  
N. 4,356,707.2  
E. 526,339.4

## REFERENCES



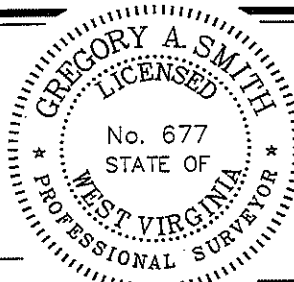
### NOTES ON SURVEY

1. TIES TO WELLS, CORNERS & REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 185 PAGE 459 & DEED BOOK 29 PAGE 255.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2010.
4. WELL LAT./LONG. (NAD'27 ESTABLISHED BY DGPS (SURVEY GRADE).
5. ORIGINAL PLAT DATED 07/26/2011, REVISED 08/02/11, AND REVISED 09/23/2011.



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. 677  
*Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE OCTOBER 12, 20 11  
 OPERATORS WELL NO. WV 514138  
 API WELL NO. 47 - 17 - 06060 H  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7584P514138R2F (329-71)  
 PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

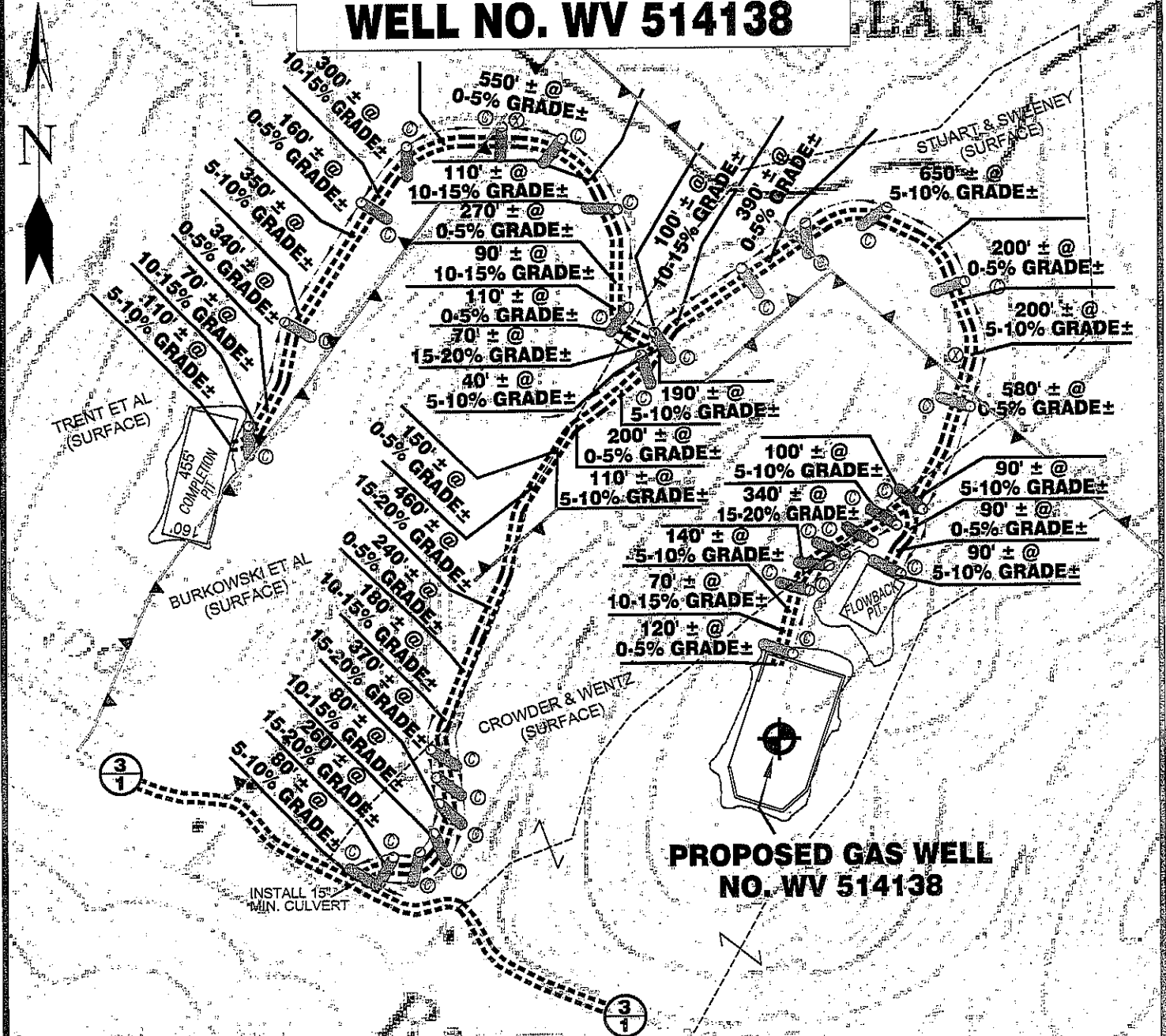
STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

WELL TYPE: OIL  GAS  INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

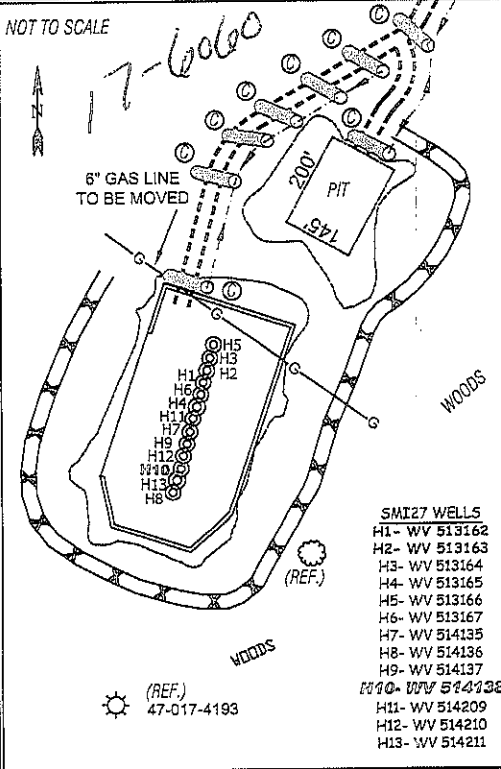
LOCATION: ELEVATION 1,194' (GROUND) / 1,179' (PROPOSED) WATERSHED BRUSH RUN  
 DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5'  
 SURFACE OWNER BETH CROWDER & DAVID WENTZ ACREAGE 30±  
 ROYALTY OWNER PATTY J. & R. KEITH CRIHFIELD (351 AC.±) / NEVA RITTER ET AL (907 AC.±)  
 PROPOSED WORK: LEASE NO. 104916 / 090499  
 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 \_\_\_\_\_

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
 ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE  
CHARLESTON, WV 25302 CHARLESTON, WV 25302

# EQT PRODUCTION COMPANY WELL NO. WV 514138



Detail Sketch for Proposed Well WV 514138



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

**SCALE: 1"=500'**



- = EXISTING CULVERT
- = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
- = PROPOSED PLC PERMIT
- = EXISTING BROAD BASED DIP

TOPO SECTION OF USGS  
SMITHBURG 7.5' QUADRANGLE



SMITH LAND SURVEYING, INC.  
P.O. BOX 150 GLENVILLE, WV, 26351

PH: (304)462-5634 FAX: (304)462-5656 E-MAIL: sls@sls-surveys.com

DRAWN BY	FILE NO.	DATE	CADD FILE:
D.L.P.	7584	10/03/11	7584RECQWV514138.DWG