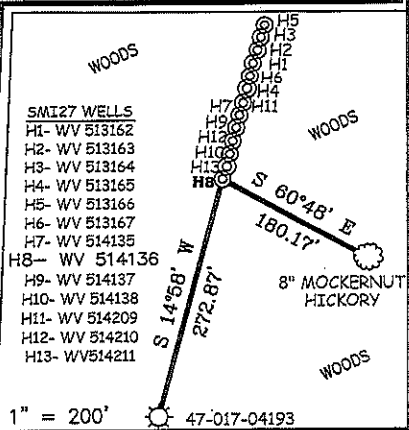


# EQT PRODUCTION COMPANY WELL NO. WV 514136 CARR LEASE 351 AC±

WELL NO. WV 514136  
STATE PLANE COORDINATES  
NORTH ZONE (NAD'27)  
N. 318,066.1  
E. 1,661,490.6  
LAT=(N) 39.367086  
LONG=(W) 80.697341  
UTM (NAD'83)  
N. 4,357,566.8  
E. 526,086.9

LANDING POINT  
WELL NO. WV 514136  
STATE PLANE COORDINATES  
SOUTH ZONE (NAD'27)  
N. 318,042.8  
E. 1,660,586.8  
LAT=(N) 39.366989  
LONG=(W) 80.700537  
UTM (NAD'83)  
N. 4,357,555.1  
E. 525,811.7

### REFERENCES



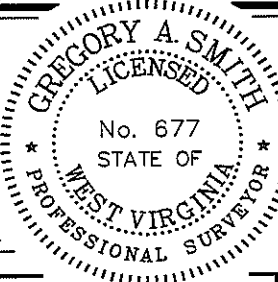
### NOTES ON SURVEY

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 JULY 26, 2011 - REVISED AUGUST 2, 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 AUGUST 2, 20 11  
OPERATORS WELL NO. WV 514136  
API WELL NO. 47-017-060584  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7584P514136RF (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

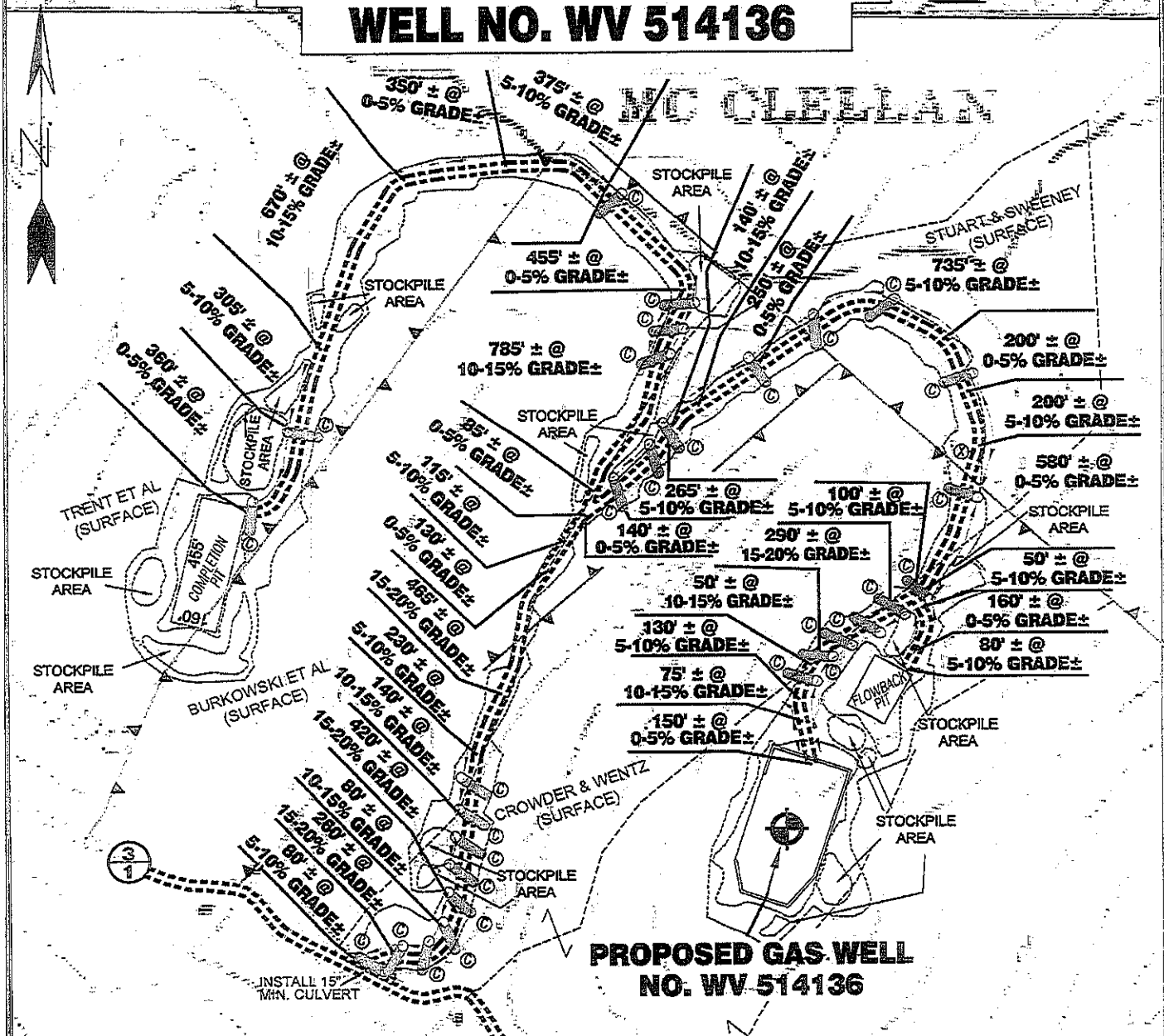
WELL TYPE: OIL  GAS  INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

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 CRIFFIELD (351 AC±) / C.S. UNDERWOOD ET AL (75 AC) / E.H. GARRETT ET AL (234 AC) / MARY FARR SECRIST (1500 AC)  
PROPOSED WORK: LEASE NO. 104916 / 104930 / 105102 / 090500  
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 \_\_\_\_\_

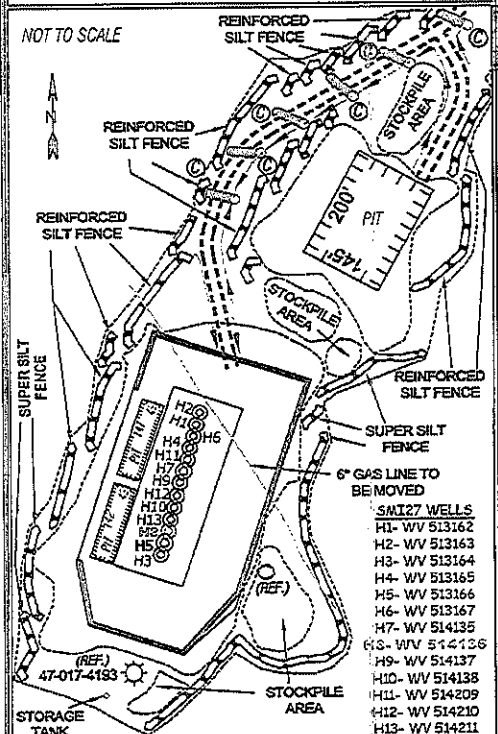
WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY  
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE  
CHARLESTON, WV 25302 CHARLESTON, WV 25302

# EQT PRODUCTION COMPANY

## WELL NO. WV 514136



Detail Sketch for Proposed Well WV 514136



- SMI27 WELLS
- H1- WV 513162
  - H2- WV 513163
  - H3- WV 513164
  - H4- WV 513165
  - H5- WV 513166
  - H6- WV 513167
  - H7- WV 514135
  - H8- WV 514136
  - H9- WV 514137
  - H10- WV 514138
  - H11- WV 514209
  - H12- WV 514210
  - H13- WV 514211

**SCALE: 1"=500'**



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).

- = EXISTING CULVERT
- = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
- = PROPOSED PLC PERMIT
- = APPROXIMATE DISTURBANCE AREA

**SMITH LAND SURVEYING, INC.**  
 P.O. BOX 150 GLENVILLE, WV. 26351  
 PH: (304) 462-5834 FAX: (304) 462-5856 E-MAIL: sls@slssurveys.com

DRAWN BY K.D.W.	FILE NO. 7584	DATE 05/16/12	CADD FILE: 7584RECWS14136R.DWG
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TOPO SECTION OF USGS SMITHBURG 7.5' QUADRANGLE