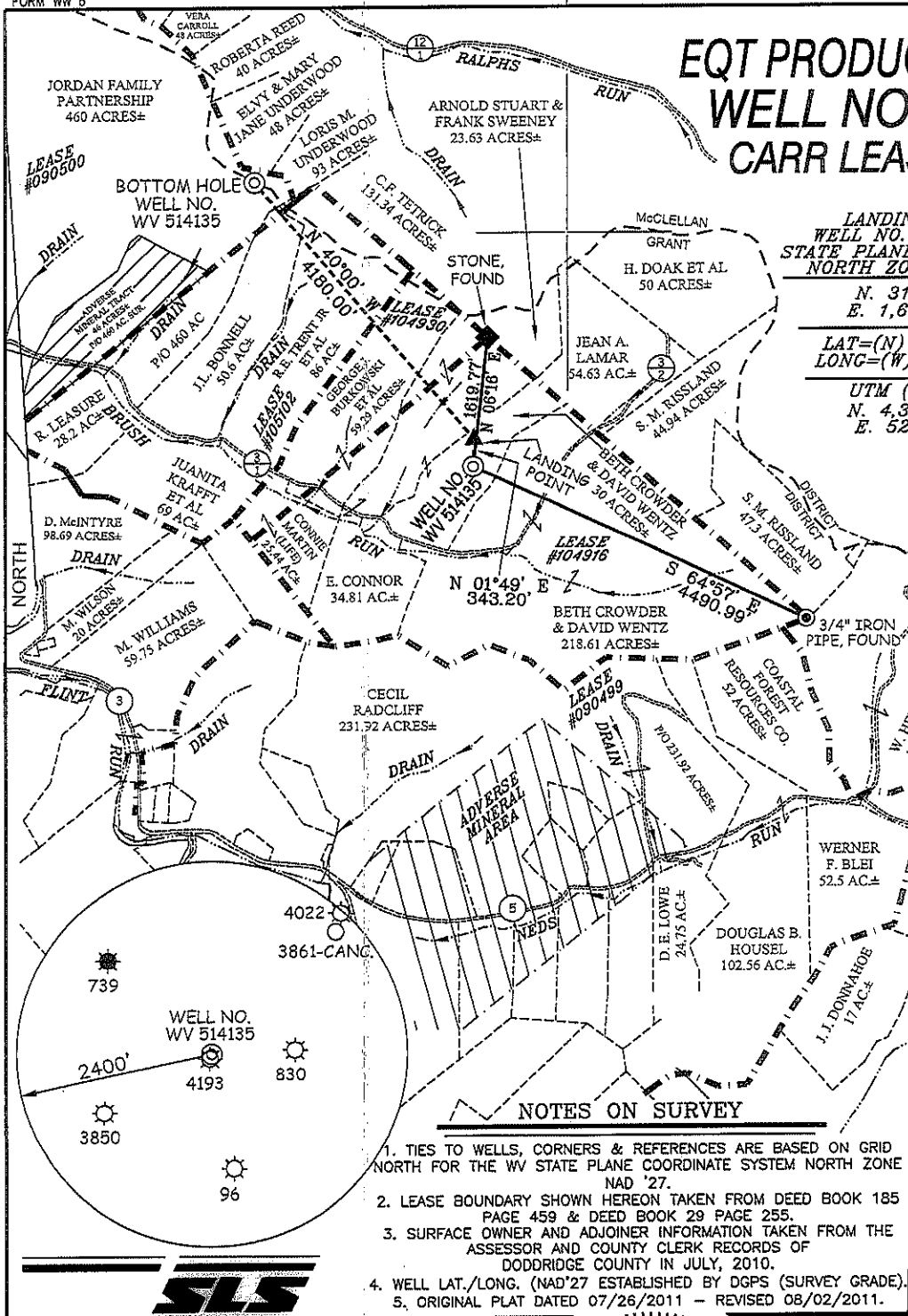


EQT PRODUCTION COMPANY WELL NO. WV 514135 CARR LEASE 351 AC±

LONGITUDE 80° 40' 00"



**LANDING POINT
WELL NO. WV 514135
STATE PLANE COORDINATES
NORTH ZONE (NAD'27)**

N. 318,480.3
E. 1,661,525.0

LAT=(N) 39.368224
LONG=(W) 80.697239

UTM (NAD'83)
N. 4,357,693.2
E. 526,095.3

**WELL NO. WV 514135
STATE PLANE COORDINATES
NORTH ZONE (NAD'27)**

N. 318,137.3
E. 1,661,514.2

LAT=(N) 39.367282
LONG=(W) 80.697262

UTM (NAD'83)
N. 4,357,588.6
E. 526,093.8

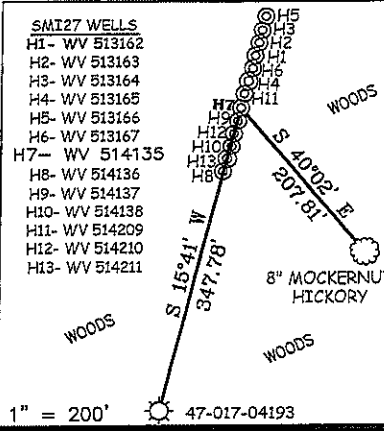
**BOTTOM HOLE
WELL NO. WV 514135
STATE PLANE COORDINATES
NORTH ZONE (NAD'27)**

N. 321,682.4
E. 1,658,838.2

LAT=(N) 39.376917
LONG=(W) 80.706894

UTM (NAD'83)
N. 4,358,655.0
E. 525,260.5

REFERENCES



NOTES ON SURVEY

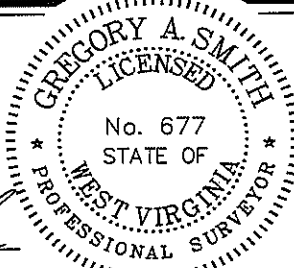
1. TIES TO WELLS, CORNERS & REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 185 PAGE 459 & DEED BOOK 29 PAGE 255.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS 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 08/02/2011.



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 514135

API WELL NO. 47-017-06057H

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7584P514135RF (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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,198' (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 CRIFIELD (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

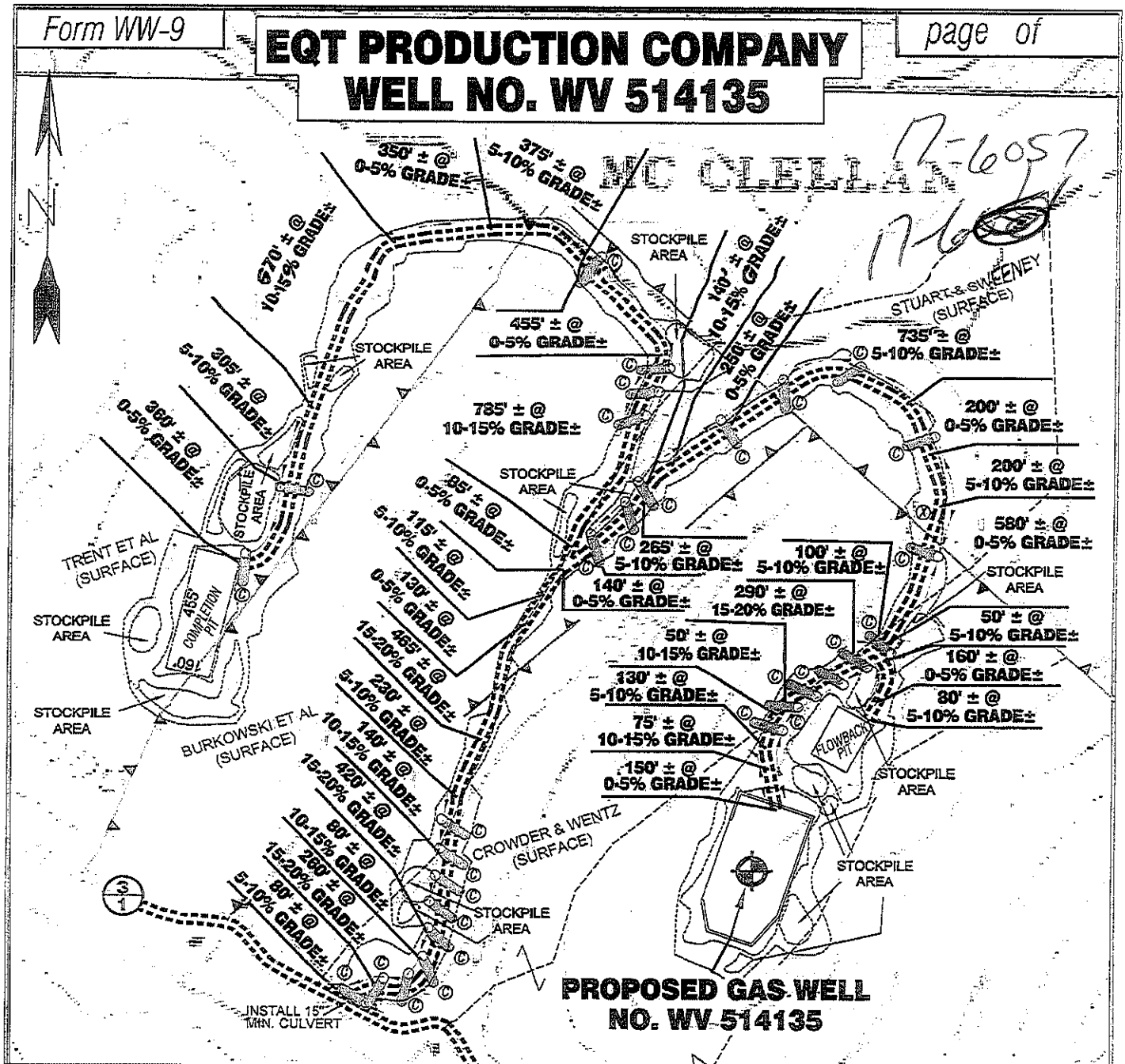
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS

ESTIMATED DEPTH _____

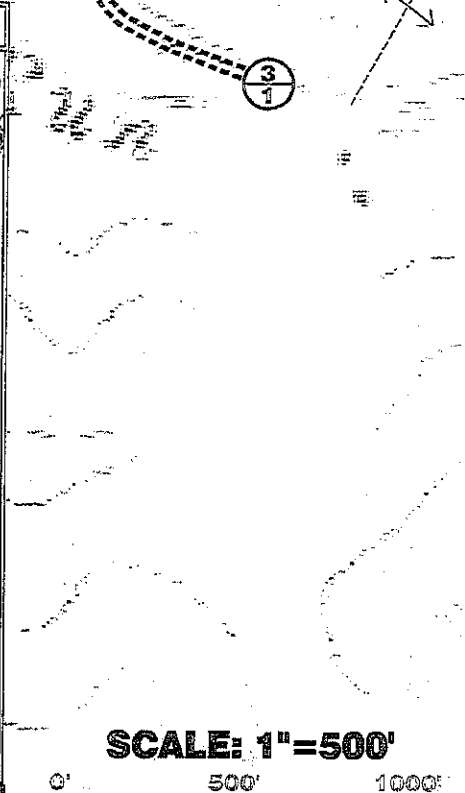
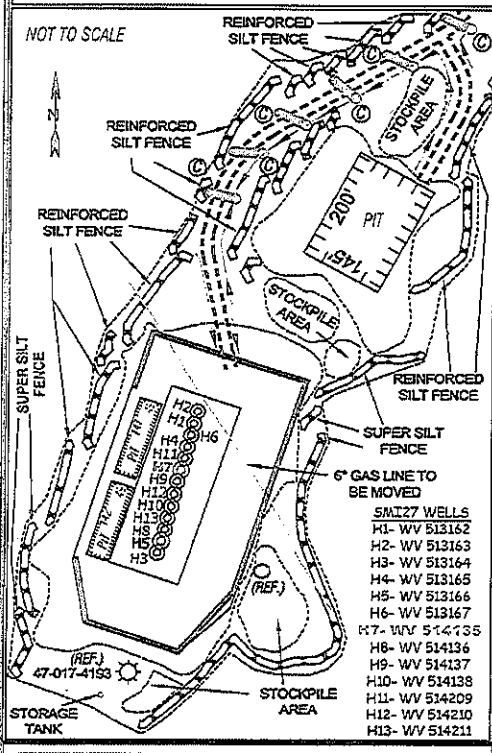
WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
 ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

COUNTY NAME PERMIT

EQT PRODUCTION COMPANY WELL NO. WV 514135



Detail Sketch for Proposed Well WV 514135



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

SLS

SMITH LAND SURVEYING, INC.
P.O. BOX 150 GLENVILLE, WV. 26351
PH: (304) 462-5634 FAX: (304) 462-5656 E-MAIL: sls@slssurveys.com

| | | | |
|--------------------|------------------|------------------|------------------------------------|
| DRAWN BY K.D.W. | FILE NO. 7584 | DATE 05/16/12 | CADD FILE: 7584REC/WV514135.DWG |
|--------------------|------------------|------------------|------------------------------------|

TOPO SECTION OF USGS
SMITHBURG 7.5' QUADRANGLE