

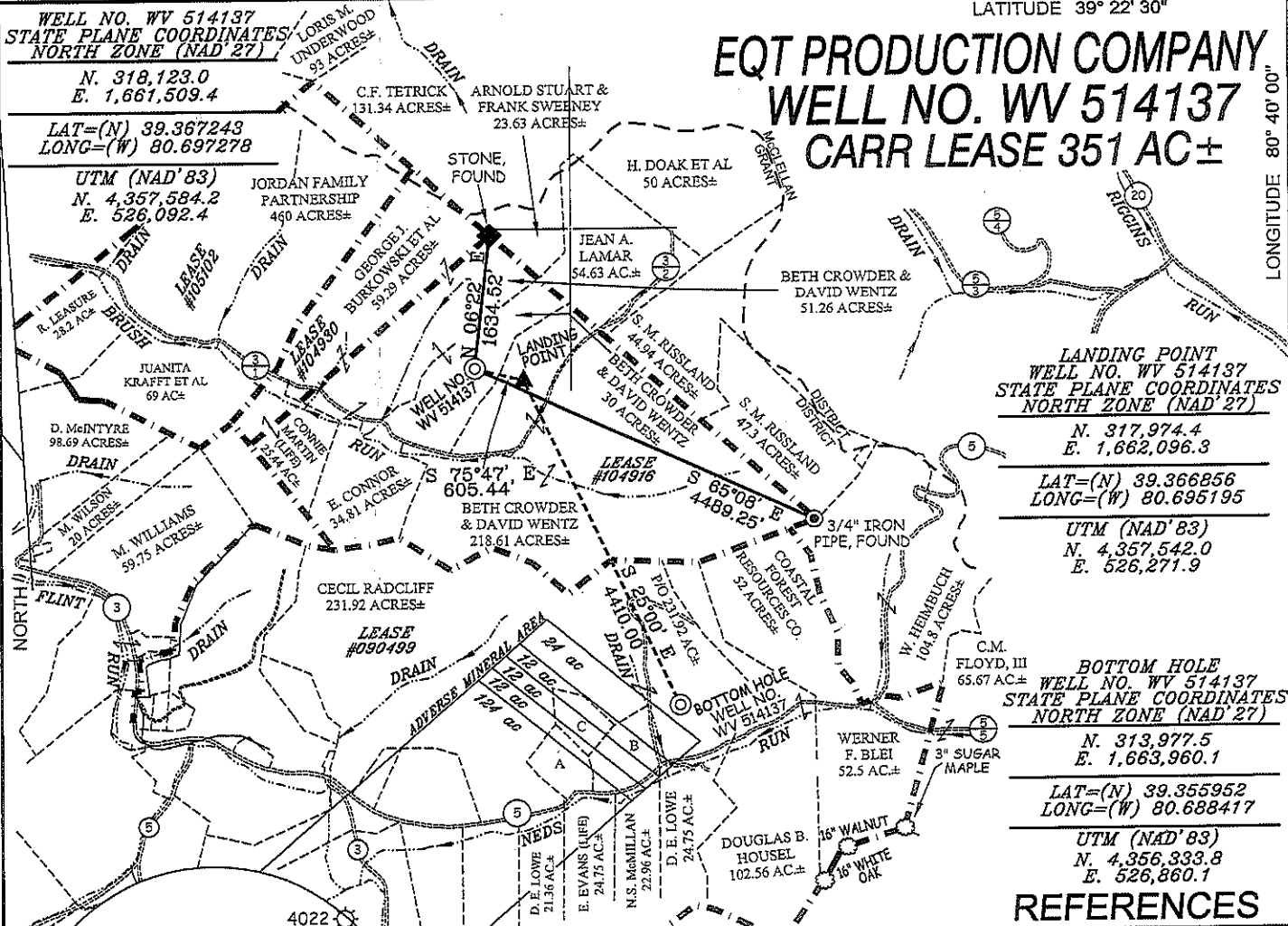
WELL NO. WV 514137
STATE PLANE COORDINATES
NORTH ZONE (NAD '27)

N. 318,123.0
E. 1,661,509.4

LAT=(N) 39.367243
LONG=(W) 80.697278

UTM (NAD'83)
N. 4,357,584.2
E. 526,092.4

EQT PRODUCTION COMPANY WELL NO. WV 514137 CARR LEASE 351 AC±



LANDING POINT
WELL NO. WV 514137
STATE PLANE COORDINATES
NORTH ZONE (NAD '27)

N. 317,974.4
E. 1,662,096.3

LAT=(N) 39.366856
LONG=(W) 80.695195

UTM (NAD'83)
N. 4,357,542.0
E. 526,271.9

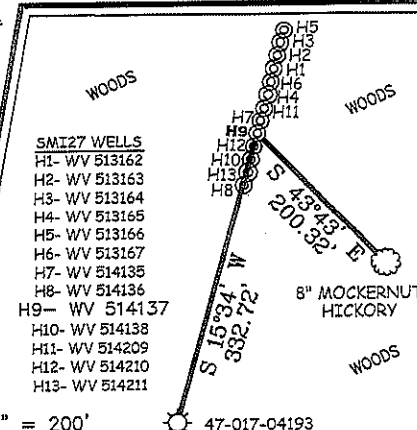
BOTTOM HOLE
WELL NO. WV 514137
STATE PLANE COORDINATES
NORTH ZONE (NAD '27)

N. 313,977.5
E. 1,663,960.1

LAT=(N) 39.355952
LONG=(W) 80.688417

UTM (NAD'83)
N. 4,356,333.8
E. 526,860.1

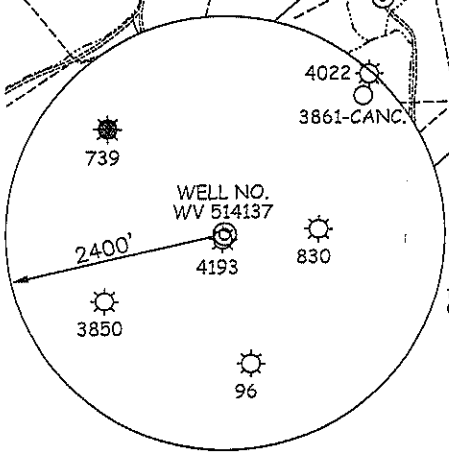
REFERENCES



- A- M. BERAM (9.57 AC±)
- B- C.L. IRWIN (15.13 AC±)
- C- C.L. IRWIN (8.05 AC±)

NOTES ON SURVEY

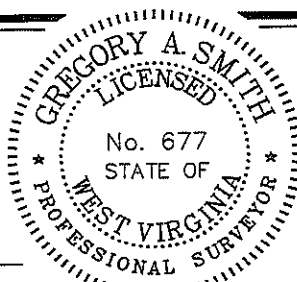
1. TIES TO WELLS, CORNERS & REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 185 PAGE 459 & DEED BOOK 29 PAGE 255.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2010.
4. WELL LAT./LONG. (NAD'27 ESTABLISHED BY DGPS (SURVEY GRADE).
5. ORIGINAL PLAT DATED 07/ 26/11, 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 514137

API WELL NO. 47-017-06059H
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7584P514137RF (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



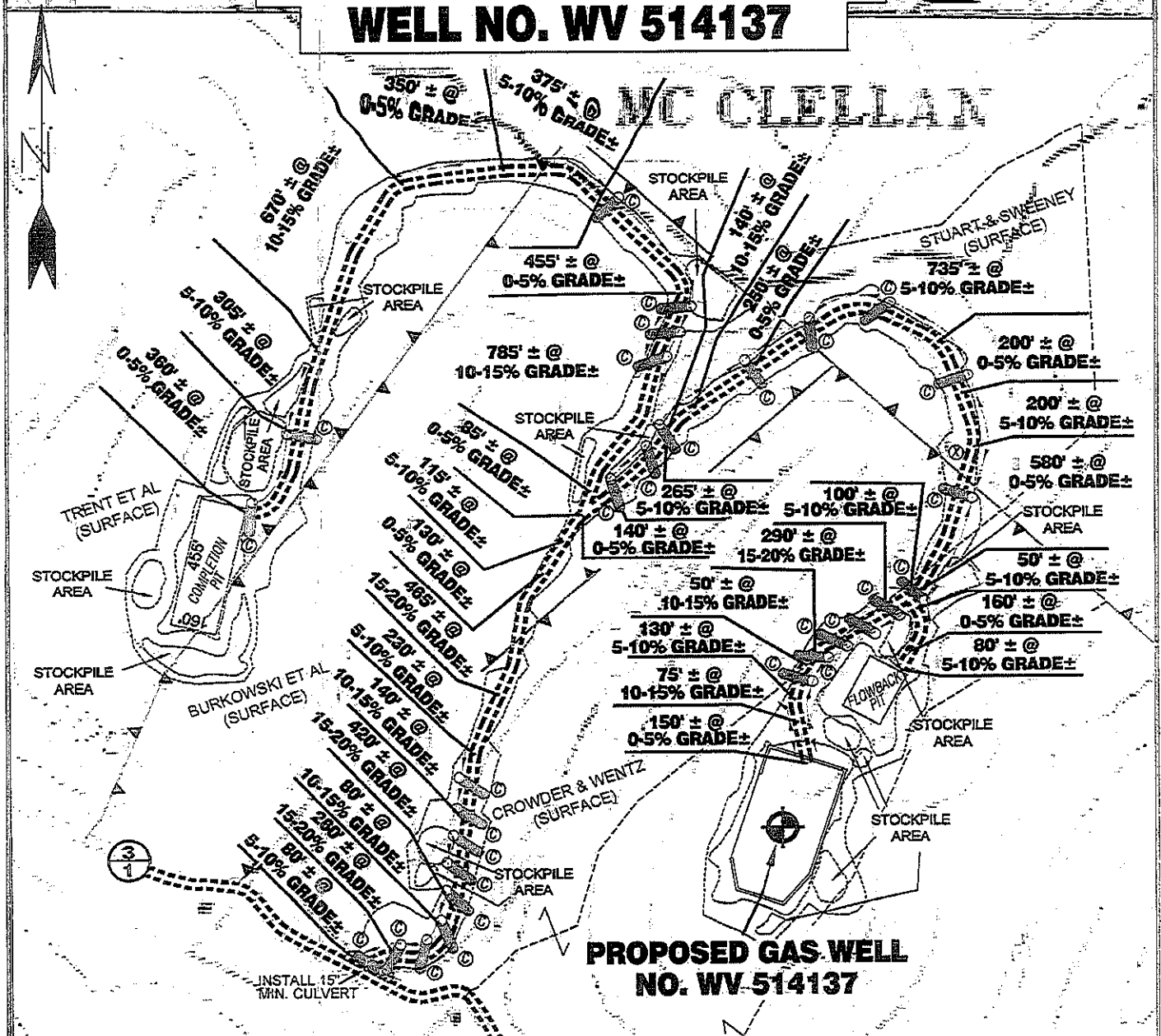
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,195' (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: 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 _____

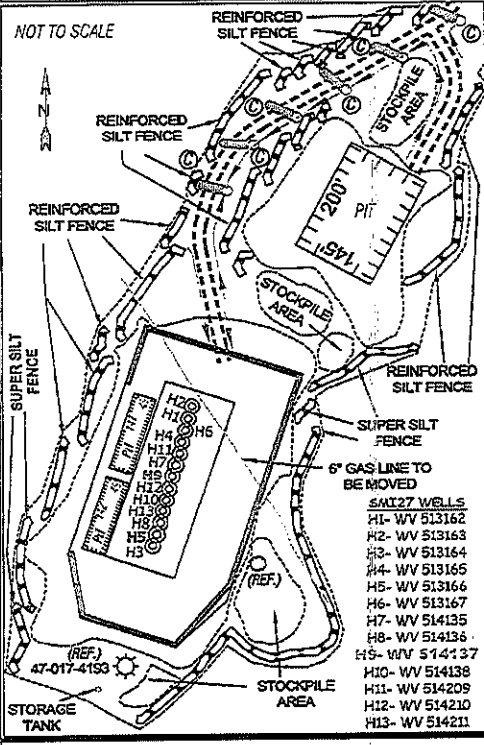
WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

COUNTY NAME
PERMIT

EQT PRODUCTION COMPANY WELL NO. WV 514137



Detail Sketch for Proposed Well WV 514137



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
- = 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@sls-surveys.com

DRAWN BY: K.D.W. FILE NO.: 7584 DATE: 05/16/12 CADD FILE: 7584RECINVS14137R.DWG

TOPO SECTION OF USGS
SMITHBURG 7.5' QUADRANGLE