

WELL NO. WV 513444
STATE PLANE COORDINATES
NORTH ZONE (NAD '27)

N. 300,030.6
E. 1,818,568.0

LAT=(N) 39.321984
LONG=(W) 80.141315

UTM (NAD '83)
N. 4,352,870.1
E. 574,034.2

RICHARD D. KNOTTS
58.80 ACRES±

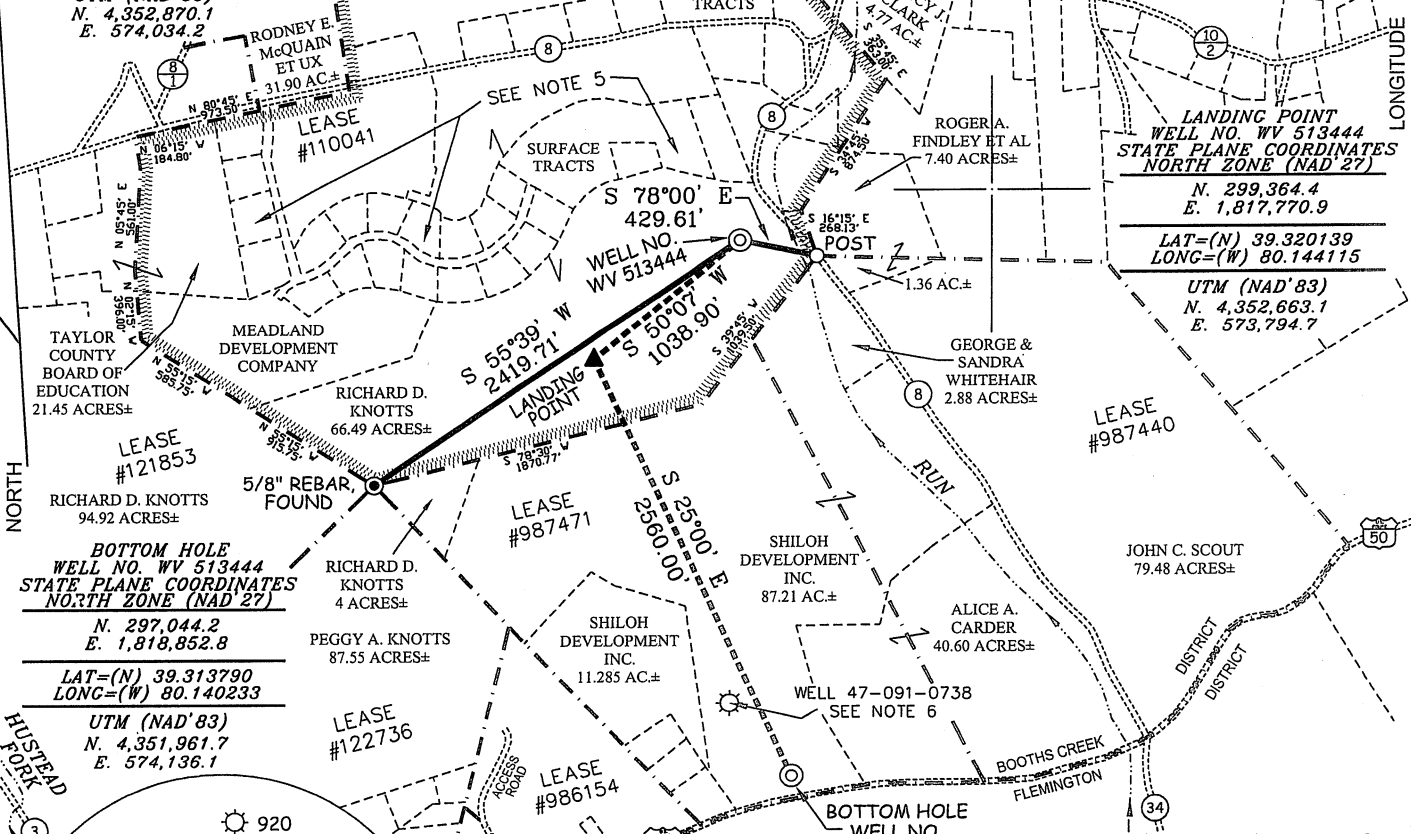
LATITUDE 39° 20' 00"
EQT PRODUCTION CO.
WELL NO. WV 513444

LANDING POINT
WELL NO. WV 513444
STATE PLANE COORDINATES
NORTH ZONE (NAD '27)

N. 299,364.4
E. 1,817,770.9

LAT=(N) 39.320139
LONG=(W) 80.144115

UTM (NAD '83)
N. 4,352,663.1
E. 573,794.7



TAYLOR COUNTY BOARD OF EDUCATION
21.45 ACRES±

MEADLAND DEVELOPMENT COMPANY
RICHARD D. KNOTTS
66.49 ACRES±

RICHARD D. KNOTTS
94.92 ACRES±

BOTTOM HOLE
WELL NO. WV 513444
STATE PLANE COORDINATES
NORTH ZONE (NAD '27)

N. 297,044.2
E. 1,818,852.8

LAT=(N) 39.313790
LONG=(W) 80.140233

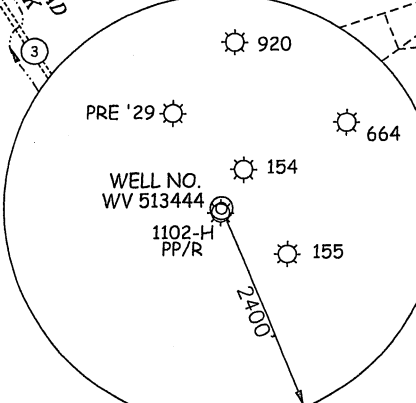
UTM (NAD '83)
N. 4,351,961.7
E. 574,136.1

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 33 PAGE 100, DEED BOOK 162 PAGE 335 & DEED BOOK 263 PAGE 430.
- 3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TAYLOR COUNTY IN JULY, 2011.
- 4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SURVEY GRADE).
- 5. ACCORDING TO CURRENT RECORDS IN THE TAYLOR COUNTY CLERKS OFFICE THIS AREA IS AN ONGOING DEVELOPMENT PROJECT. THE PARCELS AND ACREAGE'S ARE SHOWN FROM CURRENT TAX RECORDS TAKEN FROM THE ASSESSORS OFFICE OF SAID COUNTY ON 05/11/11. SURFACE & MINERAL LINES SHOWN BASED ON PLATS FOUND IN DEED BOOK 293 PAGE 370, DEED BOOK 298 PAGE 61 & DEED BOOK 309 PAGE 200. DESCREPIANCIES BETWEEN TAX MAPS & DEEDS/PLATS WERE NOT ADDRESSED BY SLS.
- 6. COORDINATES FOR EXISTING WELL NO. 47-091-0738
LAT=39.314899 LONG=80.141447

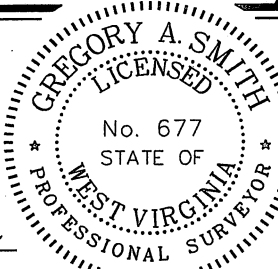
REFERENCES

- RSM91 WELLS
H1- WV 510993 (47-091-1102)
H2- WV 511400
H3- WV 513132
H4- WV 513137
H5- WV 513444
H6- WV 513776



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 JULY 26, 20 11
OPERATORS WELL NO. WV 513444
API WELL NO. 47 - 091 - 012444
STATE COUNTY PERMIT

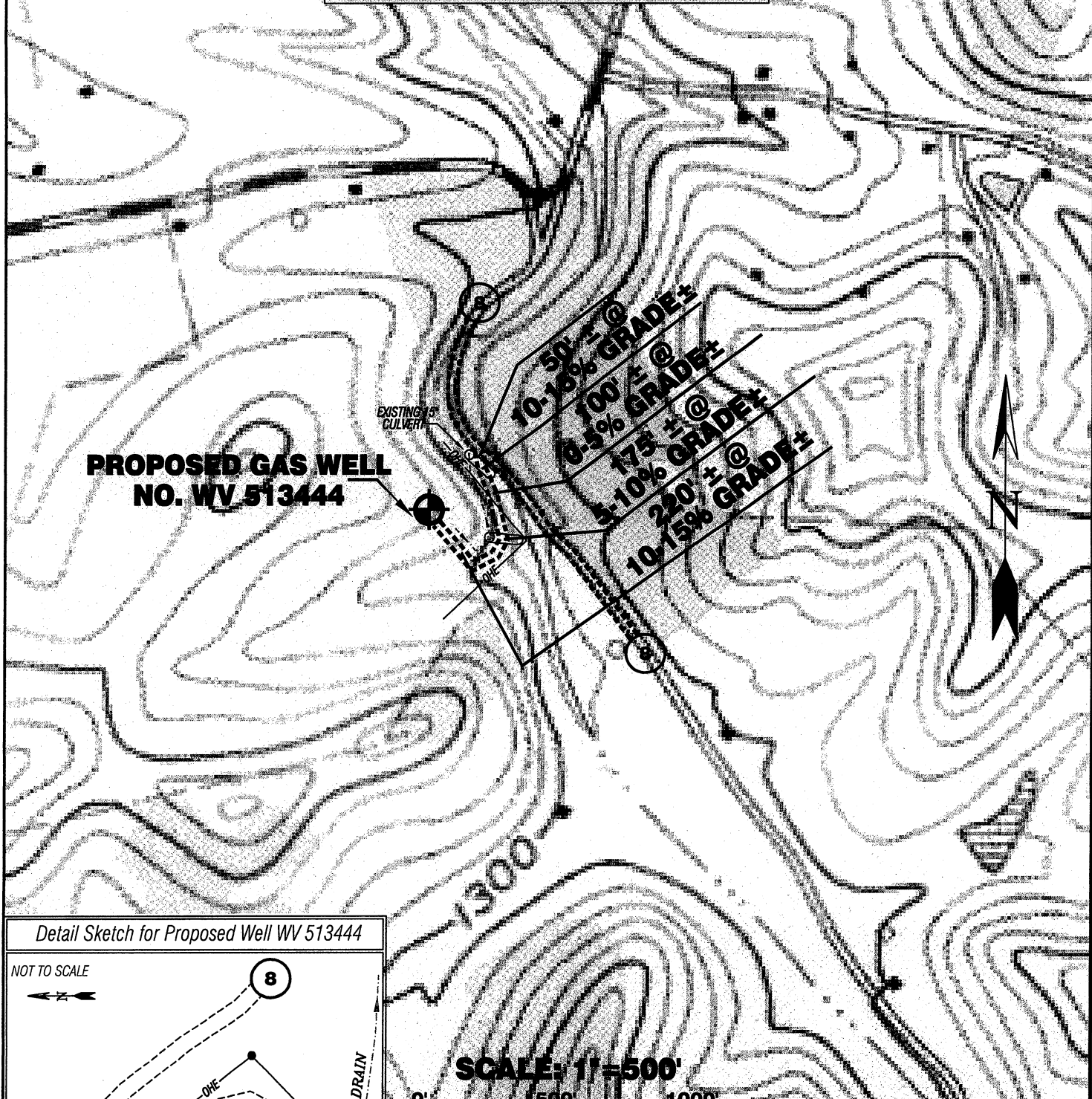
MINIMUM DEGREE OF ACCURACY 1/200
FILE NO. 6733P513444R (350-02)
PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE)
SCALE 1" = 1000'

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

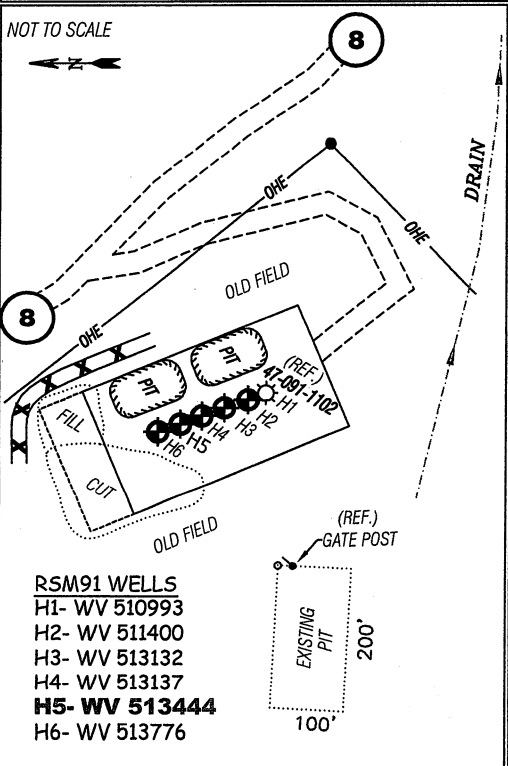
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,328' WATERSHED PLUMMER RUN
DISTRICT BOOTH'S CREEK COUNTY TAYLOR QUADRANGLE ROSEMONT 7.5'
SURFACE OWNER RICHARD D. KNOTTS ACREAGE 66.49±
ROYALTY OWNER PEGGY ANN KNOTTS ET AL (241 AC.±) / LEE ANN BLAKE ET AL (98.5 AC.±) / DRI (WELLBORE ONLY)
PROPOSED WORK: LEASE NO. 110041 / 987471
DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 513444



Detail Sketch for Proposed Well WV 513444



TOPO SECTION OF USGS ROSEMONT 7.5' QUADRANGLE

PROPOSED CULVERT INVENTORY (FOR BID PURPOSES ONLY)

12" (MINIMUM) CULVERTS	0 CUL.
15" (MINIMUM) CULVERTS	0 CUL.

ADDITIONAL CULVERTS AND/OR OTHER DRAINAGE STRUCTURES & SEDIMENT CONTROL DEVICES MAY BE REQUIRED BY THE WV D.E.P. OIL & GAS INSPECTOR.
OPERATOR IS RESPONSIBLE FOR COORDINATION WITH CONTRACTOR AND SLS REGARDING ANY CHANGES OR ADDITIONS THE STATE MAY REQUIRE.

Projected Earthen Disturbance Area

Well Location Site	5.00 ac. +/-
Access Road	0.40 ac. +/-
Approximate Total Disturbance	5.40 ac. +/-

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 STREAM CROSSING (IF APPLIES)
 *SEE TABLE FOR CULVERT DETAIL

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 C.J.P.	FILE NO. 6733	DATE 05/05/11	CADD FILE: 6733RECWW513444.DWG
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