

# EQT PRODUCTION COMPANY S.E. GASTON LEASE 206 ACRES± WELL NO. WV 513173

LATITUDE 39°12'30"

P/O  
6,600.75 ACRES±

**BOTTOM HOLE  
WELL NO. 513173  
STATE PLANE COORDINATES  
NORTH ZONE (NAD'27)**

N. 255,868.7  
E. 1,627,684.9

LAT=(N) 39.195037  
LONG=(W) 80.813683

UTM (NAD'83)(METERS)  
N. 4,338,446.3  
E. 516,104.1

**WELL NO. 513173  
STATE PLANE COORDINATES  
NORTH ZONE (NAD'27)**

N. 250,910.9  
E. 1,631,714.2

LAT=(N) 39.181586  
LONG=(W) 80.799215

UTM (NAD'83)(METERS)  
N. 4,336,956.4  
E. 517,356.8

**LANDING POINT  
WELL NO. 513173  
STATE PLANE COORDINATES  
NORTH ZONE (NAD'27)**

N. 250,543.4  
E. 1,630,168.1

LAT=(N) 39.180516  
LONG=(W) 80.804649

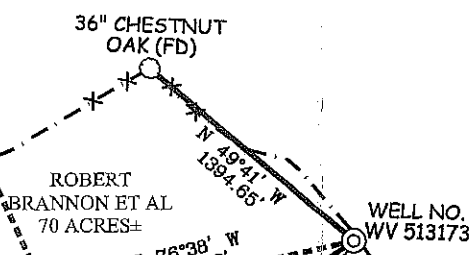
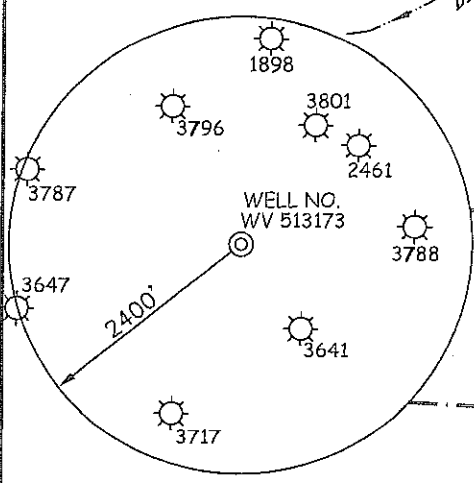
UTM (NAD'83)(METERS)  
N. 4,336,836.6  
E. 516,887.6

### NOTES ON SURVEY

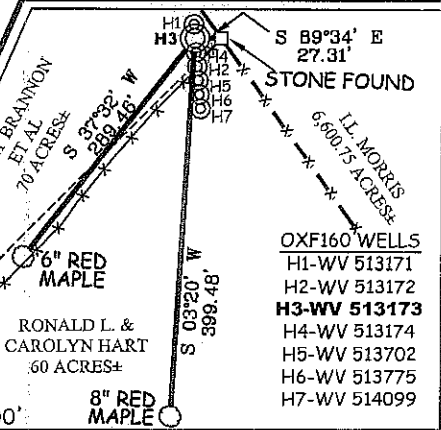
1. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 253 PAGE 41, DEED BOOK 220 PAGE 452, DEED BOOK 200 PAGE 392, DEED BOOK 216 PAGE 266, DEED BOOK 196 PAGE 524, DEED BOOK 204 PAGE 448 AND OTHER DEEDS/PLATS OF RECORD.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JULY, 2011.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE TIES TO CORS NETWORK).

LL. MORRIS  
6,600.75 ACRES±  
LEASE #117513

NORTH

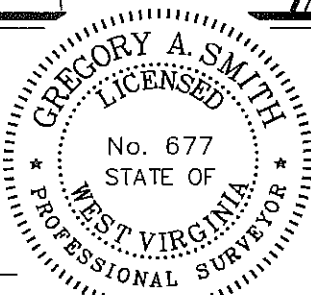


### REFERENCES



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 APRIL 11, 20 12  
OPERATORS WELL NO. WV 513171  
API WELL NO. 47-017-06113H6A  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7310P513173R2 (327-24)  
PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

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 1,239' (GROUND) 1,214' (PROPOSED) WATERSHED UPPER RUN OF MIDDLE FORK OF SOUTH FORK HUGHES RIVER  
DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'  
SURFACE OWNER ROBERT BRANNON ET AL ACREAGE 70±  
ROYALTY OWNER MONA R. CUMBERLEDGE ET AL (206 AC.±) / WBM HEIRS PROPERTIES, LLC (1891.25 AC.±)  
PROPOSED WORK: LEASE NO. 107453 / 117513  
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 **08/03/2012**

COUNTY NAME

PERMIT

# EQT PRODUCTION COMPANY S.E. GASTON LEASE WELL NO. WV 513173

17-06113

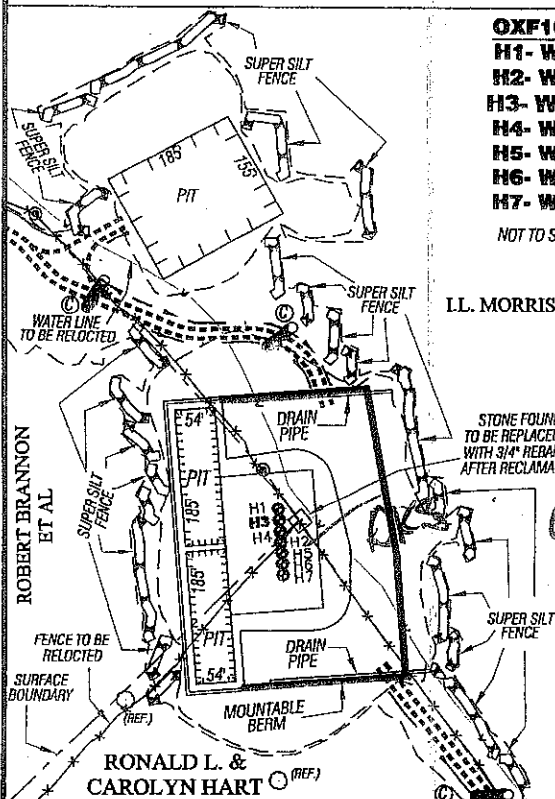
NOTE: SEE ATTACHED REC PLAN FOR WELL NUMBER WV 512443 FOR INFO. FROM COUNTY ROUTE 19/11 ALONG COUNTY ROUTE 23/3 TO HERE.

CONNECTOR ROAD TO OXF 152 ACCESS ROAD TO BE CONSTRUCTED USING EXCESS MATERIAL FROM OXF 160 SITE

## PROPOSED GAS WELL NO. WV 513173

SEE ATTACHED REC. PLAN FOR DRAINAGE DETAIL ALONG THIS ROAD TO STOCKPILE AREAS.

Detail Sketch for Proposed Well No. WV 513173



- OXF160 WELLS
- H1- WV 513171
- H2- WV 513172
- H3- WV 513173
- H4- WV 513174
- H5- WV 513702
- H6- WV 513775
- H7- WV 514099

NOT TO SCALE

NOTE: SUPER SILT FENCE SEDIMENT CONTROL TO BE USED ALONG LOWER SIDE OF STOCKPILE AREAS AND CONNECTOR ROAD.

SCALE: 1" = 500'



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE INDICATED 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 DUTCROPS 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
- = 3/4" REBAR TO BE SET AFTER RECLAMATION
- = APPROXIMATE LIMITS OF DISTURBANCE

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

DRAWN BY K.D.W.	FILE NO. 7310	DATE 06/8/12	CADD FILE: 7310RECWS13173SLD.DWG
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TOPO SECTION OF OXFORD 7.5'  
USGS TOPO QUADRANGLE