

# GAS RIGHT DEED 28 LEASE

## 14,650 ACRES±

### WELL NO. WV 511470

WELL NO. WV 511470  
STATE PLANE COORDINATES  
(SOUTH ZONE)

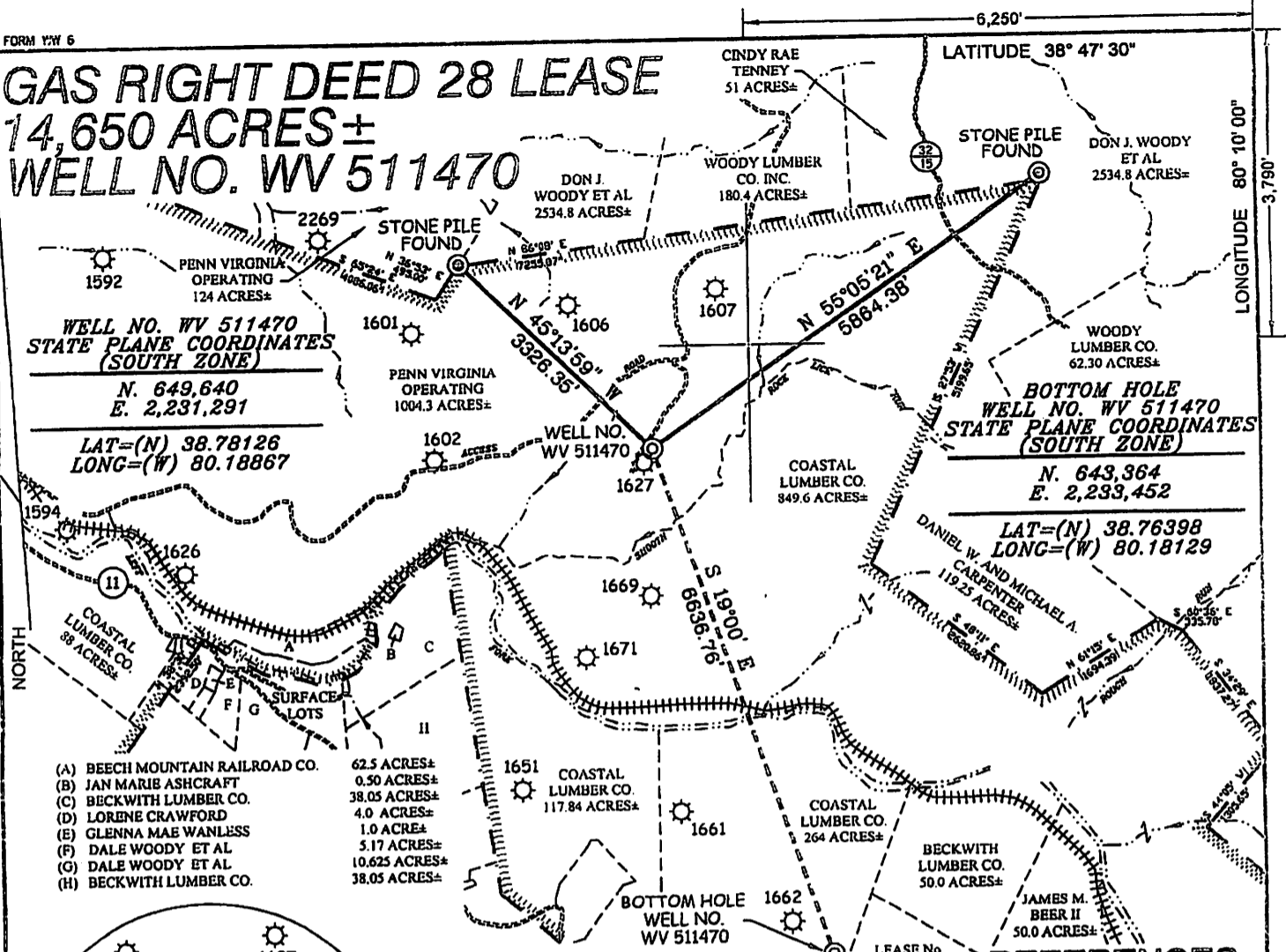
N. 649,640  
E. 2,231,291

LAT=(N) 38.78126  
LONG=(W) 80.18867

BOTTOM HOLE  
WELL NO. WV 511470  
STATE PLANE COORDINATES  
(SOUTH ZONE)

N. 643,364  
E. 2,233,452

LAT=(N) 38.76398  
LONG=(W) 80.18129

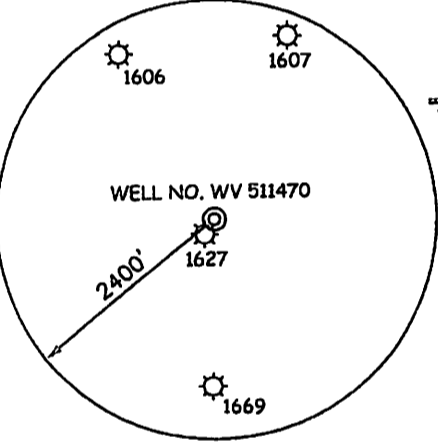
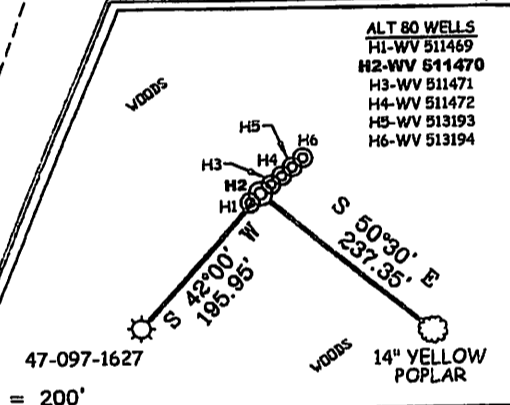


- (A) BEECH MOUNTAIN RAILROAD CO. 62.5 ACRES±
- (B) JAN MARIE ASHCRAFT 0.50 ACRES±
- (C) BECKWITH LUMBER CO. 38.05 ACRES±
- (D) LORENE CRAWFORD 4.0 ACRES±
- (E) GLENNA MAE WANLESS 1.0 ACRES±
- (F) DALE WOODY ET AL 5.17 ACRES±
- (G) DALE WOODY ET AL 10.625 ACRES±
- (H) BECKWITH LUMBER CO. 38.05 ACRES±

#### NOTES ON SURVEY

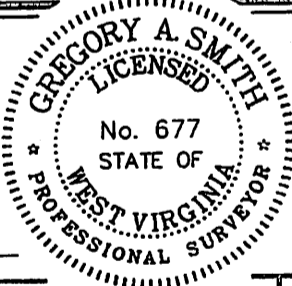
1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 03/09/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 241 PAGE 408.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF UPSHUR COUNTY IN FEBRUARY, 2010.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PLAT DATED 03/24/10 REVISED 04/07/10 TO EXTEND HORIZONTAL LEG AND CHANGE BOTTOM HOLE COORDINATES, ETC.

#### 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 07 20 10  
OPERATORS WELL NO. WV 511470  
API WELL NO. 47-097-037589  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 6985P511470R (296-19)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2000'

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

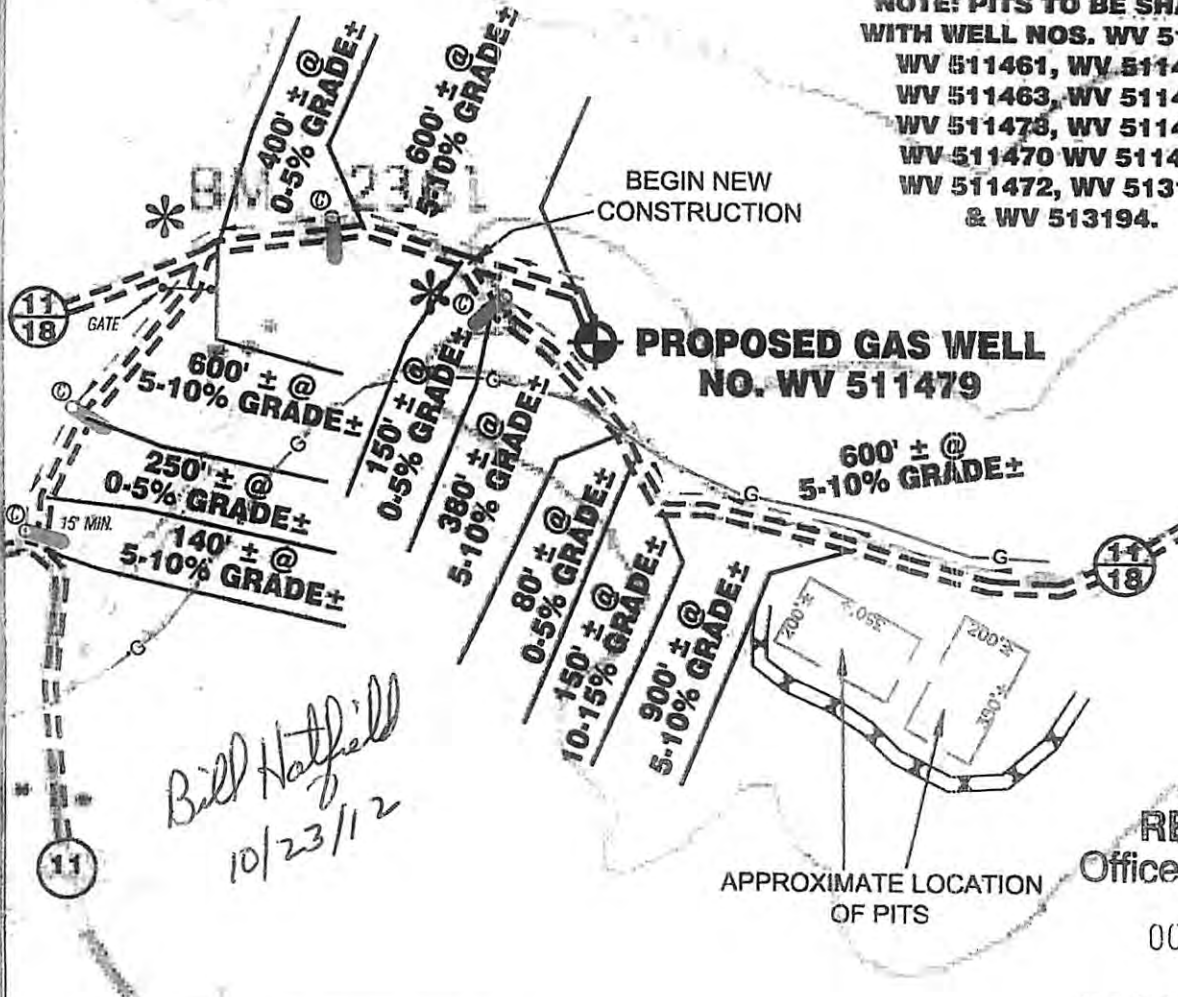
WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 2,335' WATERSHED SMOOTH LICK RUN OF WEST FORK BUCKHANNON RIVER  
DISTRICT WASHINGTON COUNTY UPSHUR QUADRANGLE ALTON 7.5'  
SURFACE OWNER PENN VIRGINIA OPERATING ACREAGE 1,004.3±  
ROYALTY OWNER EQT PRODUCTION COMPANY LEASE ACREAGE 14,650±  
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

# GAS RIGHT DEED 28 LEASE WELL NO. WV 511479

**NOTE: PITS TO BE SHARED WITH WELL NOS. WV 511460, WV 511461, WV 511462, WV 511463, WV 511464, WV 511478, WV 511469, WV 511470, WV 511471, WV 511472, WV 513193 & WV 513194.**

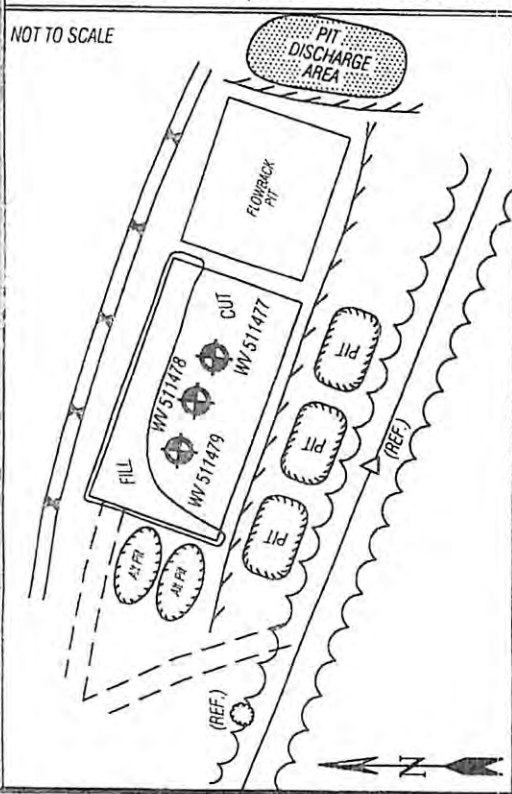


*Bill Hatfield  
10/23/12*

**RECEIVED**  
Office of Oil & Gas  
OCT 25 2012

WV Department of  
Environmental Protection

Detail Sketch for Proposed Well WV 511479



\* NOTE: +/- 2,440' OF COUNTY ROUTE 11/18 TO BE UPGRADED AS PART OF THIS REC PLAN.

**SCALE: 1"=500'**



TOPO SECTION OF  
USGS ALTON 7.5' QUADRANGLE

PROPOSED CULVERT INVENTORY  
(FOR BID PURPOSES ONLY)

12" (MINIMUM) CULVERTS	2 CUL.
15" (MINIMUM) CULVERTS	1 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	0.69 ac. +/-
Approximate Total Disturbance	5.69 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)
  = CONSTRUCT BROAD BASED DIP DETAIL

\*SEE TABLE FOR CULVERT DETAIL

**SLS**

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

DRAWN BY C.J.P.	FILE NO. 6985	DATE 05/07/09	CADD FILE: 5985REC\WV511479R3.DWG
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