

1,380'
LONGITUDE 80°17'30"

LATITUDE 39°00'00"

**WELL NO. WV 513450
STATE PLANE COORDINATES
(SOUTH ZONE)**

N. 724,932
E. 2,199,974

LAT=(N) 38.98869
LONG=(W) 80.29652

UTM (NAD83)

N. 4,315,768
E. 560,942

**MARY F. HIGGINBOTHAM ET AL LEASE
500 ACRES±
WELL NO. WV 513450**

**LANDING POINT
WELL NO. WV 513450
STATE PLANE COORDINATES
(SOUTH ZONE)**

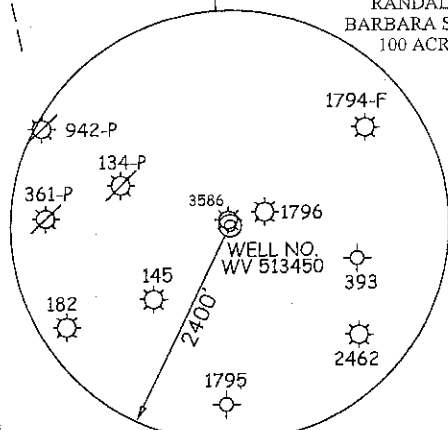
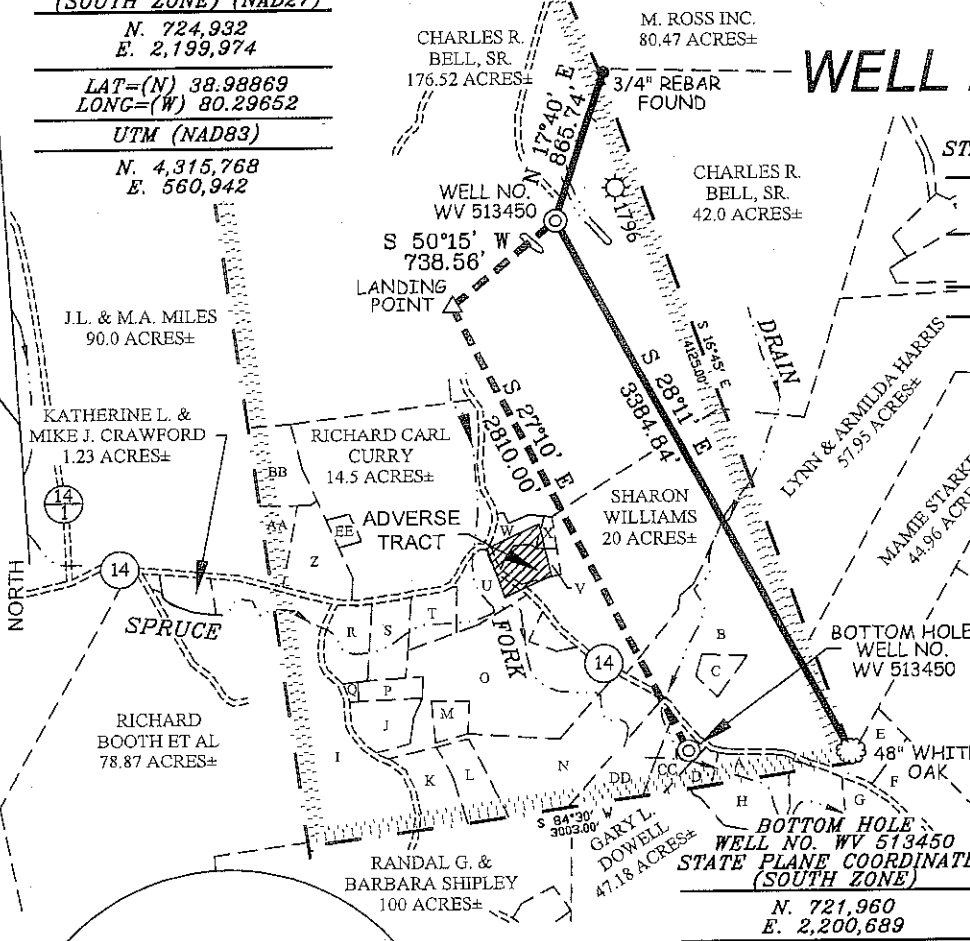
N. 724,460
E. 2,199,406

LAT=(N) 38.98741
LONG=(W) 80.29853

UTM (NAD83)

N. 4,315,624
E. 560,769

| OWNER | ACRES± |
|----------------------------------|--------|
| A GARY L. DOWELL | 0.143 |
| B JO ANN HOOVER | 18.5 |
| C JO ANN HOOVER | 1.0 |
| D GILBERT W. & KNIGHT ET AL | 0.741 |
| E JANELLA LYNN & RANDALL COCHRAN | 2.06 |
| F GARY L. DOWELL | 5.103 |
| G JO ANN HOOVER | 7.9 |
| H GARY L. DOWELL | 3.12 |
| I DARRYL D. BEVERLIN | 2.30 |
| J JACKIE A. OR SHARON L. LEWIS | 2.45 |
| K BILLIE G. HATHFIELD | 2.97 |
| L BILLIE G. HATHFIELD | 2.12 |
| M BETTY J. MALCOMB | 0.998 |
| N ROBERT J. DOWELL | 9.45 |
| O JAMES E. DOWELL | 9.59 |
| P GREGORY W. & MINDY D. DAWSON | 1.22 |
| Q GREGORY W. & MINDY D. DAWSON | 0.338 |
| R JACK A. & SHARON L. LEWIS | 3.09 |
| S JOAN D. STILTNER | 2.0 |
| T TIMOTHY S. RATLIFF | 1.19 |
| U CLIFFORD & ALDA E. SUMMERS | 1.96 |
| V BRADFORD & JOYE KNIGHT | 1.48 |
| W DOUGLAS D. ESTEP | 0.86 |
| X BRADFORD JUNIOR KNIGHT | 0.364 |
| Z JOSEPH & BELINDA GONTAREK | 2.383 |
| AA ERIC S. & SHERRY L. CLAUS | 1.38 |
| BB ERIC S. & SHERRY L. CLAUS | 2.33 |
| CC BETTY L. CARSON | 1.0 |
| DD CAMELLA L. ZIRKLE | 2.16 |
| EE RICHARD C. CURRY ET AL | LOT |

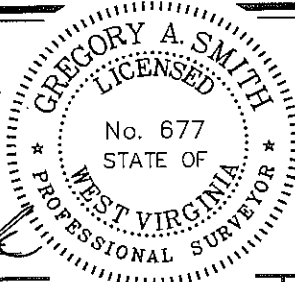
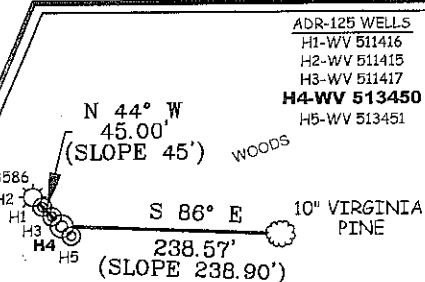


**WELL NO. WV 513450
STATE PLANE COORDINATES
(SOUTH ZONE)**
N. 721,960
E. 2,200,689
LAT=(N) 38.98051
LONG=(W) 80.29408
UTM (NAD83)

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 06/18/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A DEED RECORDED IN DEED BOOK 399 AT PAGE 785 AND DEED BOOK 11 AT PAGE 394.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF UPSHUR COUNTY IN JULY, 2011.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
6. PLAT DATED 07/29/11 REVISED 09/01/11 TO UPDATE SPOT CIRCLE, ADJOINER INFORMATION & 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 SEPTEMBER 01, 20 11
OPERATORS WELL NO. WV 513450
API WELL NO. 47-097-0385H
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 6282P513450R4 (298-59)
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING 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 1,570' WATERSHED TRIBUTARY OF SPRUCE FORK

DISTRICT BUCKHANNON COUNTY UPSHUR QUADRANGLE ADRIAN 7.5'

SURFACE OWNER CHARLES R. BELL, SR. ACREAGE 176.52±

ROYALTY OWNER BISHOP OF THE PROTESTANT EPISCOPAL CHURCH OF THE DIOCESE OF W.V. LEASE ACREAGE 500±

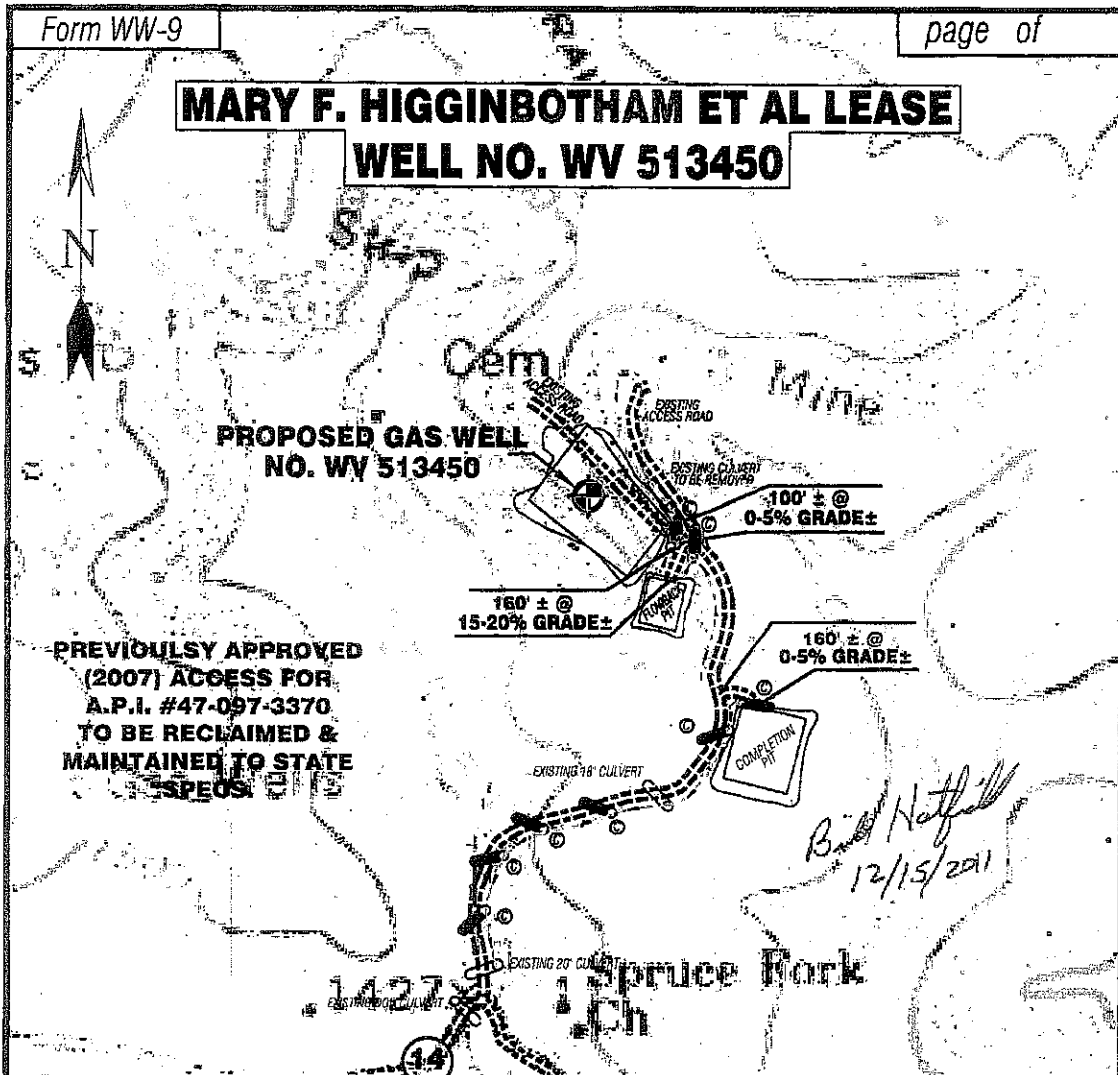
PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___

PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION MARCELLUS ESTIMATED DEPTH ___

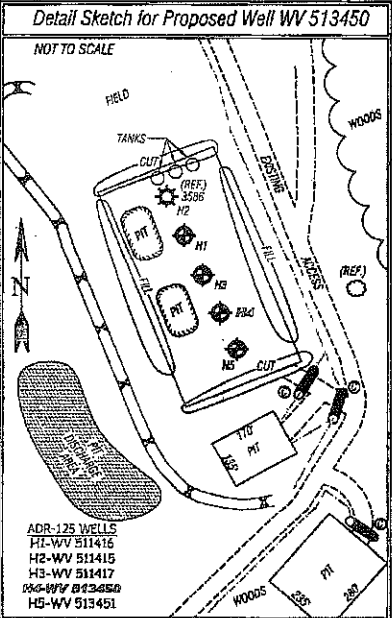
WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302 02/24/2012

COUNTY NAME
PERMIT

**MARY F. HIGGINBOTHAM ET AL LEASE
WELL NO. WV 513450**

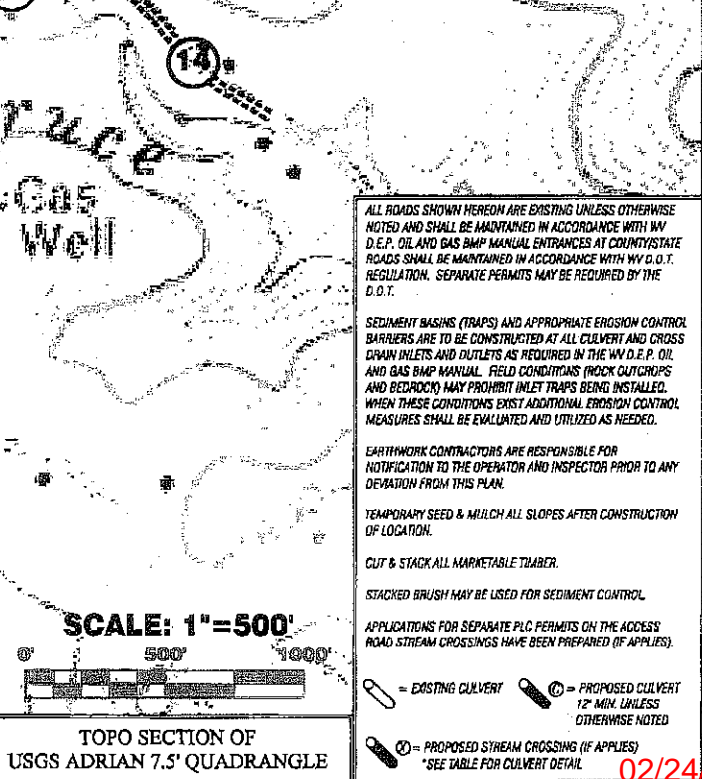


**PREVIOUSLY APPROVED
(2007) ACCESS FOR
A.P.I. #47-097-3370
TO BE RECLAIMED &
MAINTAINED TO STATE
SPECS.**



ADR-125 WELLS
H1-WV 511416
H2-WV 511416
H3-WV 511417
H4-WV 513450
H5-WV 513451

SL
SMITH LAND SURVEYING, INC.
P.O. BOX 150 GLENVILLE, WV 26351
PH: (304) 462-5634 FAX: (304) 462-5656 E-MAIL: sls@slsurveys.com
DRAWN BY: D.L.P. FILE NO: 62B2 DATE: 10/10/11 CADD FILE: 022002D.WP124604.DWG



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

TOPO SECTION OF
USGS ADRIAN 7.5' QUADRANGLE