

1,400'

LATITUDE 39°00'00"

# MARY F. HIGGINBOTHAM ET AL LEASE 500 ACRES ± WELL NO. WV 511416

LONGITUDE 80°17'30"

**BOTTOM HOLE  
WELL NO. WV 511416  
STATE PLANE COORDINATES  
(SOUTH ZONE)**

N. 732,324  
E. 2,197,266

LAT=(N) 39.00904  
LONG=(W) 80.30585

**UTM (NAD83)(METERS)**  
N. 4,318,020  
E. 560,117

**WELL NO. WV 511416  
STATE PLANE COORDINATES  
(SOUTH ZONE) (NAD27)**

N. 724,950  
E. 2,199,950

LAT=(N) 38.98874  
LONG=(W) 80.29660

**UTM (NAD83)(METERS)**  
N. 4,315,773  
E. 560,935

OWNER	ACRES±
A JAMES LEROY MEHR	24.39
B CHARLES J & JEAN C JOHNSON	96.15
C BLAIRE SNYDER	3.49
D STEVEN M CASTO	146.915
E EDWIN M QUEEN	80
F DORIS JEAN ARNOVITZ	66.76
G EVA KATHRYN HOWES	80
H ERIC S & SHERRY L CLAUD	2.33
I ERIC S & SHERRY L CLAUD	1.38
J JOSEPH & BELINDA GONTAREK	2.383
K RICHARD CARL CURRY	14.5
L KATHERINE L & MIKE J CRAWFORD	1.23
M RICHARD BOOTH ET AL	78.87
N DARRYL D BEVERLIN	2.30
O JACK A & SHARON L LEWIS	3.09
P JOAN D STILTNER	2.0
Q TIMOTHY S RATLIFF	1.19
R CLIFFORD & ALDA E SUMMERS	1.96
S JAMES E DOWELL	9.59
T BRADFORD KNIGHT, JR	1.48
U JO ANN HOOVER	1.0
V JO ANN HOOVER	18.3
W SHARON WILLIAMS	20.00
X GARY L DOWELL	3.12
Z JACKIE A OR SHARON L LEWIS	2.45
AA RANDAL G & BARBARA SHIPLEY	100
BB GARY L DOWELL	47.18
CC MAMIE STARKEY	44.96
DD LYNN & ARMILDA HARRIS	57.95
EE JOHN SKRUCK	7.98
FF MIKE ROSS INC	77.50
GG RICHARD C CURRY ET AL	LOT

NORTH

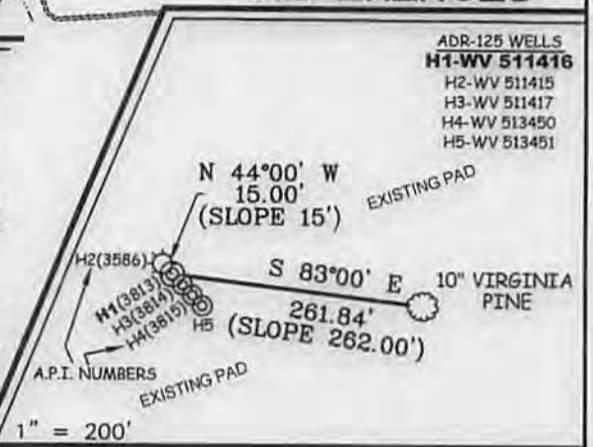


### NOTES ON SURVEY

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.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF UPSHUR COUNTY IN JULY, 2011. PARCELS AFFECTED BY CURRENT CHANGES CHECKED JULY, 2013.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
6. ORIGINAL PLAT DATED 11/10/11 REVISED 07/29/11 TO UPDATE SPOT CIRCLE & ADJOINER INFORMATION & 11/13/13 TO EXTEND LEG & UPDATE, ETC.
7. NO WATER WELLS WERE FOUND WITHIN 250 FEET OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS (GREATER THAN 2500 SQUARE FEET) OR DWELLINGS WERE FOUND WITHIN 625 FEET OF CENTER OF PROPOSED WELL PAD.

### REFERENCES

- ADR-125 WELLS
- H1-WV 511416
- H2-WV 511415
- H3-WV 511417
- H4-WV 513450
- H5-WV 513451



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. 849 *C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE NOVEMBER 13, 20 13  
OPERATORS WELL NO. WV 511416  
API WELL NO. 47-097-03813 MOD H6A  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 6282P511416R2  
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  INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,572' (ACTUAL PAD) WATERSHED TRIBUTARY OF SPRUCE FORK  
DISTRICT BUCKHANNON COUNTY UPSHUR QUADRANGLE ADRIAN 7.5'  
SURFACE OWNER CHARLES R. BELL, SR. ACREAGE 357.639±  
ROYALTY OWNER BISHOP OF THE PROTESTANT EPISCOPAL CHURCH OF THE DIOCESE OF W.V. (500 AC.±) / WINDAMAR, INC. ET AL (151.12 AC.±)  
PROPOSED WORK: LEASE NO. 121717 / 991894  
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 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 **03/21/2014**

COUNTY NAME PERMIT

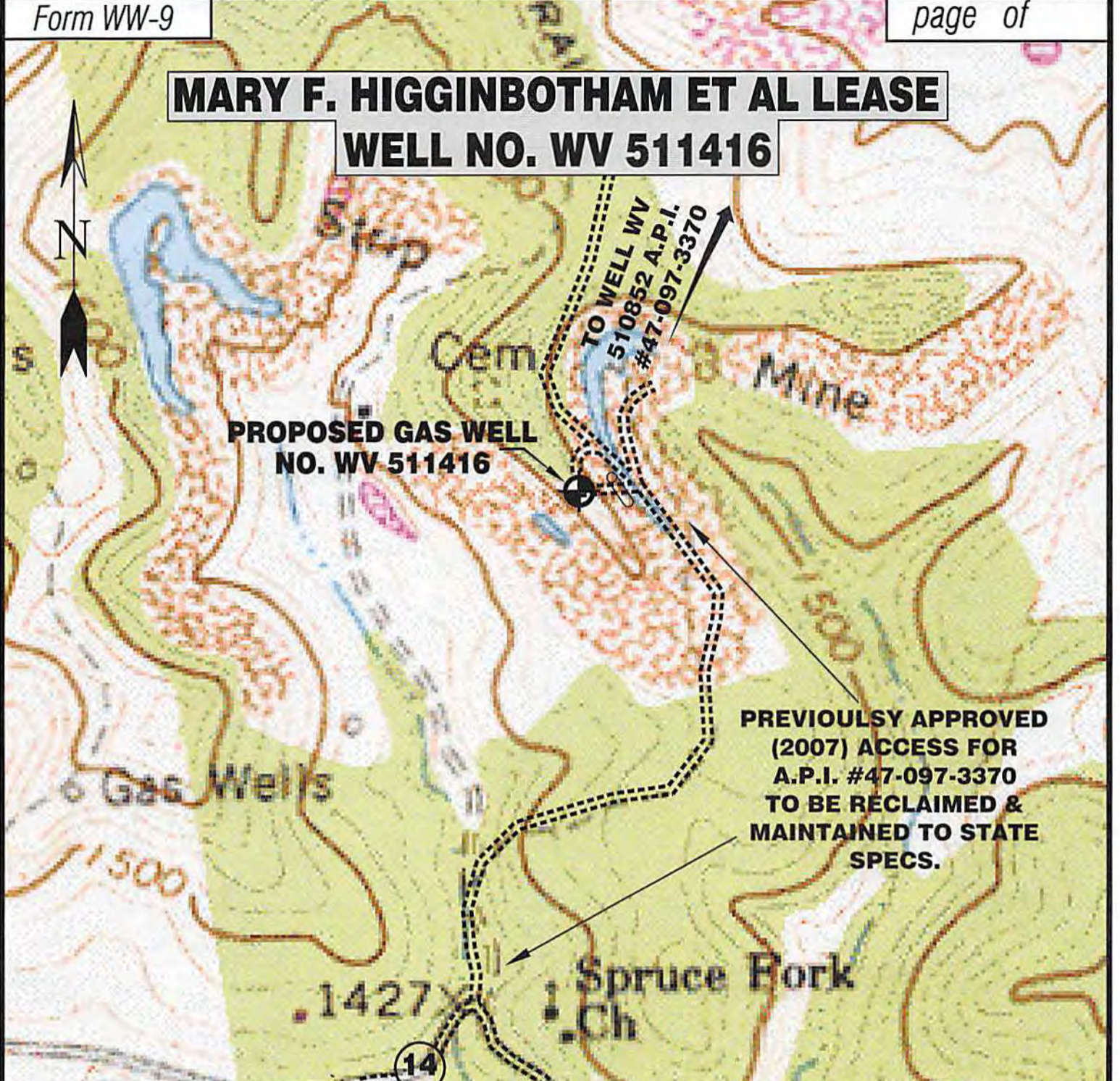
# MARY F. HIGGINBOTHAM ET AL LEASE

## WELL NO. WV 511416

**PROPOSED GAS WELL  
NO. WV 511416**

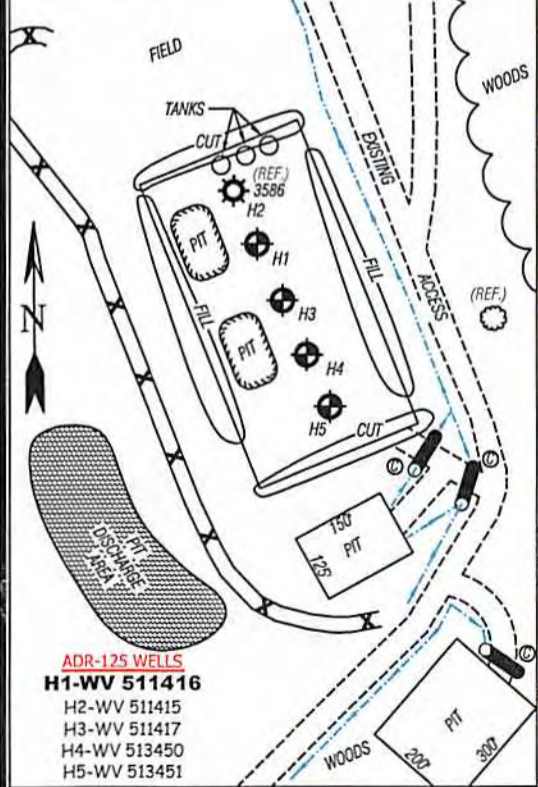
TO WELL WV  
510852 A.P.I.  
#47-097-3370

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



Detail Sketch for Proposed Well WV 511416

NOT TO SCALE



- ADR-125 WELLS**
- H1-WV 511416
  - H2-WV 511415
  - H3-WV 511417
  - H4-WV 513450
  - H5-WV 513451

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 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@sissurveys.com

DRAWN BY C.J.P.	FILE NO. 6282	DATE 04/28/11	CADD FILE: 6282REC0511416R3.DWG
--------------------	------------------	------------------	------------------------------------

TOPO SECTION OF  
USGS ADRIAN 7.5' QUADRANGLE

03/31/2014