

NOTES ON SURVEY

- 1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.

TOM DAVIES, ET AL  
1457.95 ACRES±

**EQT PRODUCTION COMPANY  
LEWIS MAXWELL LEASE  
2,654 ACRES±  
WELL NO. WV 514390**

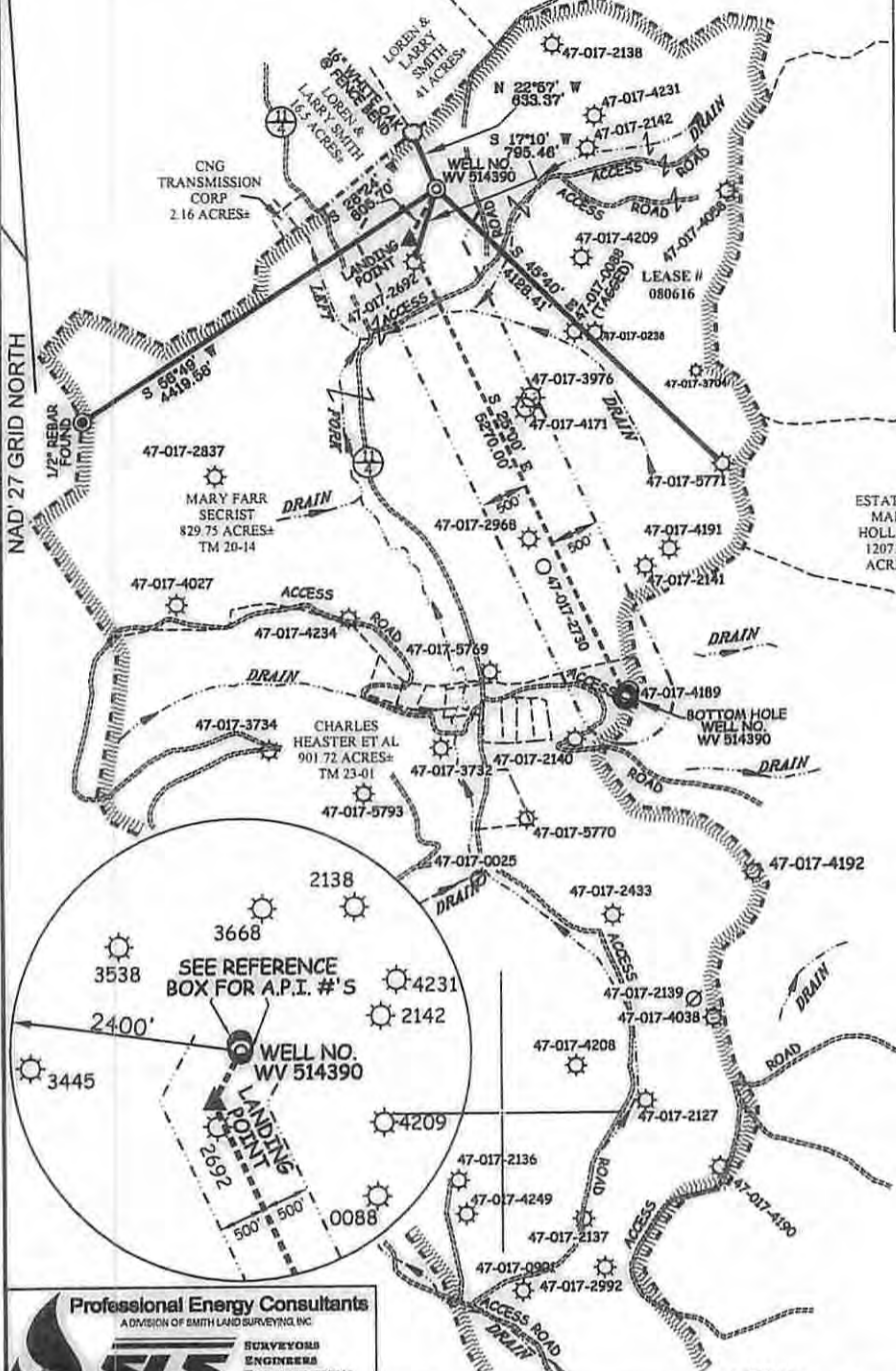
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
 NAD'27 S.P.C.(FT) N. 277,495.1 E. 1,635,670.5  
 NAD'27 GEO. LAT-(N) 39.254725 LONG-(W) 80.786603  
 NAD'83 UTM (M) N. 4,345,075.4 E. 518,426.9

**LANDING POINT**

NAD'27 S.P.C.(FT) N. 276,962.3 E. 1,635,382.5  
 NAD'27 GEO. LAT-(N) 39.253251 LONG-(W) 80.787593  
 NAD'83 UTM (M) N. 4,344,911.6 E. 518,341.8

**BOTTOM HOLE**

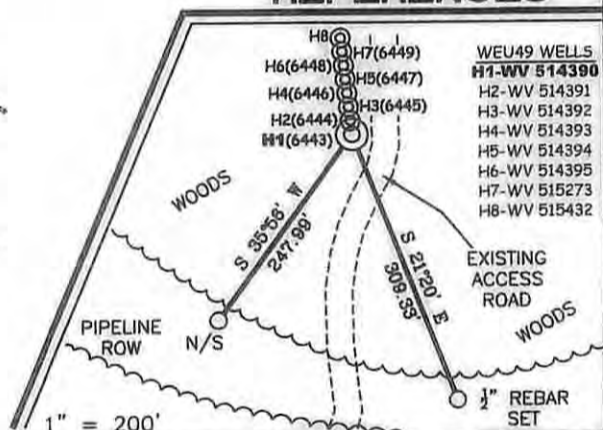
NAD'27 S.P.C.(FT) N. 272,186.1 E. 1,637,609.7  
 NAD'27 GEO. LAT-(N) 39.240226 LONG-(W) 80.779489  
 NAD'83 UTM (M) N. 4,343,467.8 E. 519,044.6



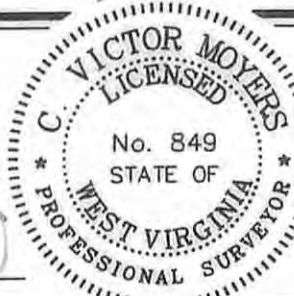
**LEGEND**

LEASE LINE	---
SURFACE LINE	----
WELL LATERAL	----
OFFSET LINE	----
TIE LINE	----
CREEK	~~~~~
ROAD	==>
TREE LINE	~~~~~
COUNTY ROUTE	----
PROPOSED WELL	⊙
EXISTING WELL	⊙
TAX MAP-PARCEL	00-00

**REFERENCES**



**Professional Energy Consultants**  
 A DIVISION OF SMITH LAND SURVEYING INC.  
**SLS**  
 SURVEYORS  
 ENGINEERS  
 ENVIRONMENTAL  
 PROJECT MGMT.  
 (304) 482-6834 WWW.SLSURVYS.COM



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 SEPTEMBER 09, 20 13  
 REVISED 12/02/13, 07/01/14 & 07/31/14  
 OPERATORS WELL NO. WV 514390  
 API WELL NO. 47-017-016443 MOD  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7871P514390R3  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) 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 1,166'(GROUND) 1,130'(PROPOSED) WATERSHED LEFT FORK OF ARNOLD CREEK  
 DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE WEST UNION 7.5'

SURFACE OWNER MARY FARR SECRIST ACREAGE 829.75±  
 ROYALTY OWNER LEWIS MAXWELL HRS ACREAGE 2654±  
 LEASE NO. 080616

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 TVD 6,622'

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  
 12/12/14

LONGITUDE 80°45'00" COUNTY NAME PERMIT

# EQT PRODUCTION COMPANY LEWIS MAXWELL LEASE WELL NO. WV 514390



50  
42

EXISTING GATE

APPROXIMATE END  
END OF CO. RT. 50/42

**NOTE:**  
SEE DESIGN FOR WEU 49 WELLS  
FOR A MORE DETAILED EXHIBIT OF PROPOSED  
CROSSING & LOCATION OF UTILITIES ETC.

EXISTING WELL

EXISTING GAS LINES

TO WEU 2 WELLS

EXISTING WELL

EXISTING ROAD (PREVIOUSLY UTILIZED)  
TO BE RESHAPED AND REGARDED

EXISTING GAS LINES

EXISTING WELL

TO WEU 1 WELLS

340' ± @  
15-20% GRADE ±

600' ± @  
5-10% GRADE ±

350' ± @  
4-5% GRADE ±

PROPOSED  
18" CMP

EXISTING GAS LINE

Gas Well

MATCH LINE

Gas Well

**SHEET 1 OF 2**  
**SCALE: 1"=500'**



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 15" MIN. UNLESS OTHERWISE NOTED

⊗ - PROPOSED STREAM CROSSING  
○ - APPROXIMATE LIMITS OF DISTURBANCE

Office of Oil and Gas  
WV Dept. of Environmental Protection  
AUG 5 2014

TOPO SECTION OF WEST UNION 7.5'  
USGS TOPO QUADRANGLE



Professional Energy Consultants  
A DIVISION OF BARTH LAND SURVEYING

SURVEYORS  
PROJECT MGMT.

**SLS**

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ENVIRONMENTAL

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Shelbyville, OH 42967  
(615) 671-9511

HONESTY. INTEGRITY. QUALITY.

DRAWN BY  
K.D.W.

FILE NO.  
7871

DATE  
12/04/13

CADD FILE:  
7871RECS14390.dwg

12/12/14