

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 514392

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH) NAD'27 S.P.C.(FT) N. 277,524.9 E. 1,635,867.1 NAD'27 GEO. LAT-(N) 39.254807 LONG-(W) 80.786616 NAD'83 UTM (M) N. 4,345,084.4 E. 518,425.7

LANDING POINT

NAD'27 S.P.C.(FT) N. 277,925.9 E. 1,637,448.8 NAD'27 GEO. LAT-(N) 39.255978 LONG-(W) 80.780345 NAD'83 UTM (M) N. 4,345,215.7 E. 518,966.5

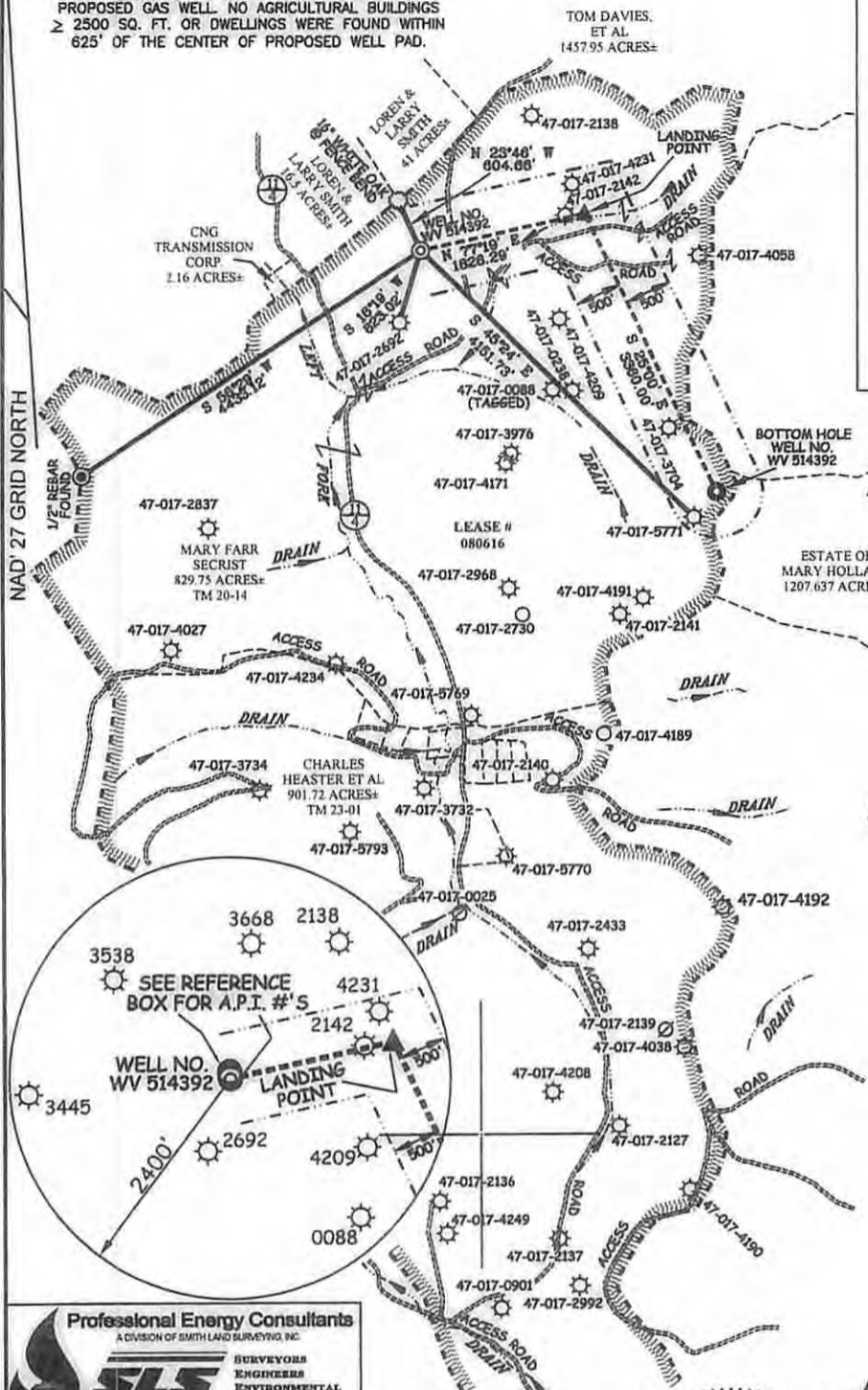
BOTTOM HOLE

NAD'27 S.P.C.(FT) N. 274,880.7 E. 1,638,868.8 NAD'27 GEO. LAT-(N) 39.247673 LONG-(W) 80.775178 NAD'83 UTM (M) N. 4,344,295.2 E. 519,414.6

NAD'27 GRID NORTH

LONGITUDE 80°45'00"

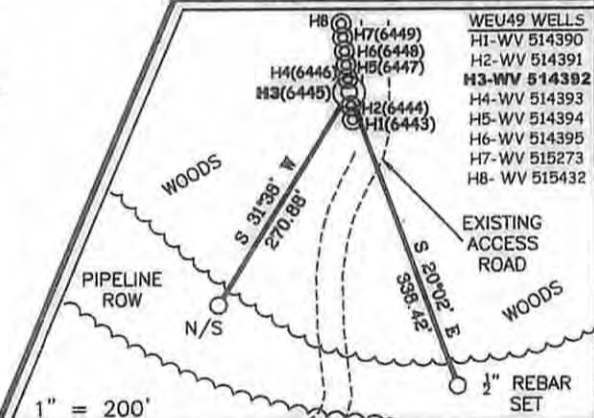
13,425'



LEGEND

Table with 2 columns: Symbol and Description. Includes LEASE LINE, SURFACE LINE, WELL LATERAL, OFFSET LINE, TIE LINE, CREEK, ROAD, TREE LINE, COUNTY ROUTE, PROPOSED WELL, EXISTING WELL, TAX MAP-PARCEL.

REFERENCES



Professional Energy Consultants logo and contact information: A DIVISION OF SMITH LAND SURVEYING, INC. SURVEYORS, ENGINEERS, ENVIRONMENTAL PROJECT MGMT. (304) 432-5534 WWW.SLSURVEYS.COM



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 514392. API WELL NO. 47-017-06445. STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7871P514392R3 SCALE 1" = 2000'. HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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

WELL TYPE: OIL GAS X INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION X STORAGE DEEP SHALLOW X. LOCATION: ELEVATION 1,164'(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 X CONVERT DRILL DEEPER REDRILL Office of 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 TVD 6,622'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

12/12/14

COUNTY NAME PERMIT

EQT PRODUCTION COMPANY LEWIS MAXWELL LEASE WELL NO. WV 514392



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' ± @
0-5% GRADE ±

PROPOSED
18" CMP

EXISTING
GAS LINE

MATCH
LINE

Gas
Well

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)

Office of Oil and Gas
WV Dept. of Environmental Protection

EXISTING CULVERT

⊕ = PROPOSED CULVERT
15' MIN UNLESS OTHERWISE NOTED

⊗ = PROPOSED STREAM CROSSING

○ = APPROXIMATE LIMITS OF DISTURBANCE

Professional Energy Consultants
A DIVISION OF SURVEYING LAND SURVEYING

SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL

724 Third Street SE
P.O. Box 130
Charleston, WV 25301
(204) 462-7634

16000 Oakes Bottom Road
Shawnee, OH 43067
(740) 671-9911

INTEGRITY. INTEGRITY. QUALITY.

DRAWN BY K.D.W.	FILE NO. 7871	DATE 12/04/13	CADD FILE: 7871RECS14392.dwg
--------------------	------------------	------------------	---------------------------------

TOPO SECTION OF WEST UNION 7.5'
USGS TOPO QUADRANGLE

12/12/14