

Mod 1 & 2
3,766'

**EQT PRODUCTION COMPANY
LEEMAN MAXWELL LEASE
1000 ACRES±
WELL NO. WV 514662**
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

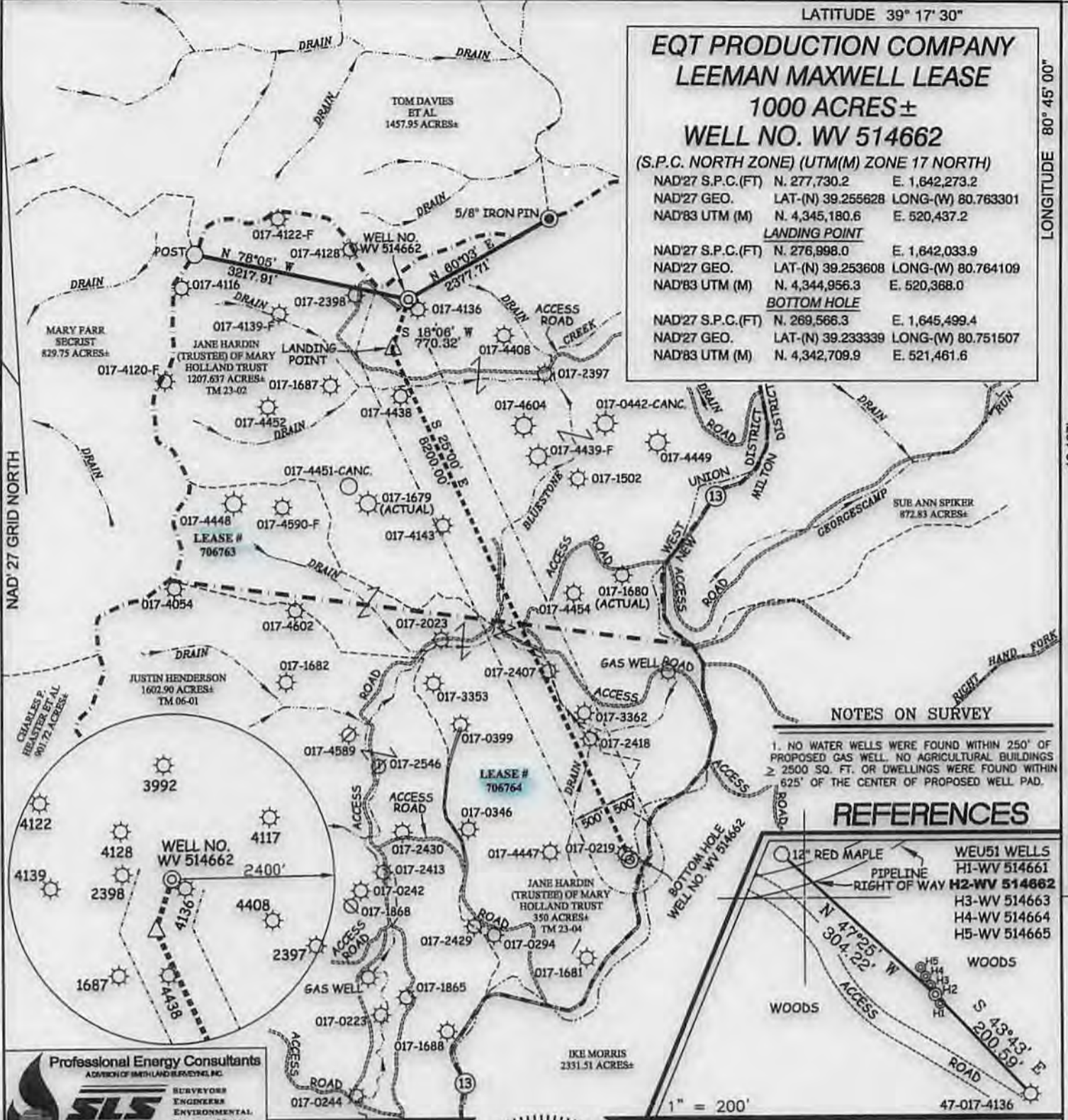
NAD'27 S.P.C.(FT)	N. 277,730.2	E. 1,642,273.2
NAD'27 GEO.	LAT.(N) 39.255628	LONG.(W) 80.763301
NAD'83 UTM (M)	N. 4,345,180.6	E. 520,437.2

LANDING POINT

NAD'27 S.P.C.(FT)	N. 276,998.0	E. 1,642,033.9
NAD'27 GEO.	LAT.(N) 39.253608	LONG.(W) 80.764109
NAD'83 UTM (M)	N. 4,344,956.3	E. 520,368.0

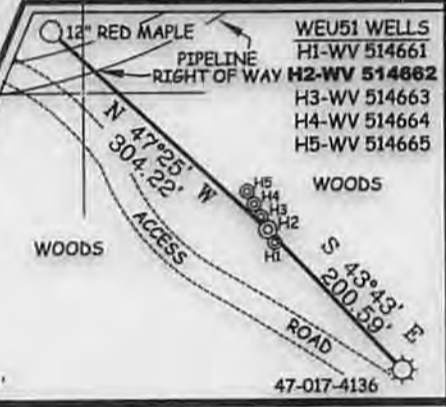
BOTTOM HOLE

NAD'27 S.P.C.(FT)	N. 269,566.3	E. 1,645,499.4
NAD'27 GEO.	LAT.(N) 39.233339	LONG.(W) 80.751507
NAD'83 UTM (M)	N. 4,342,709.9	E. 521,461.6



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.

REFERENCES



Professional Energy Consultants
DIVISION OF SMITH AND BERNARD, INC.
SLS
SURVEYORS
ENGINEERS
ENVIRONMENTAL
PROJECT MGMT.
DOI 402-8884 WWW.SLSURVCON.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.
677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE OCTOBER 1, 20 13
REVISED FEBRUARY 25, 20 14
OPERATORS WELL NO. WV 514662
API WELL NO. 47 - 017 - 06386
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8051P514662 ALT
SCALE 1" = 2,000'
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

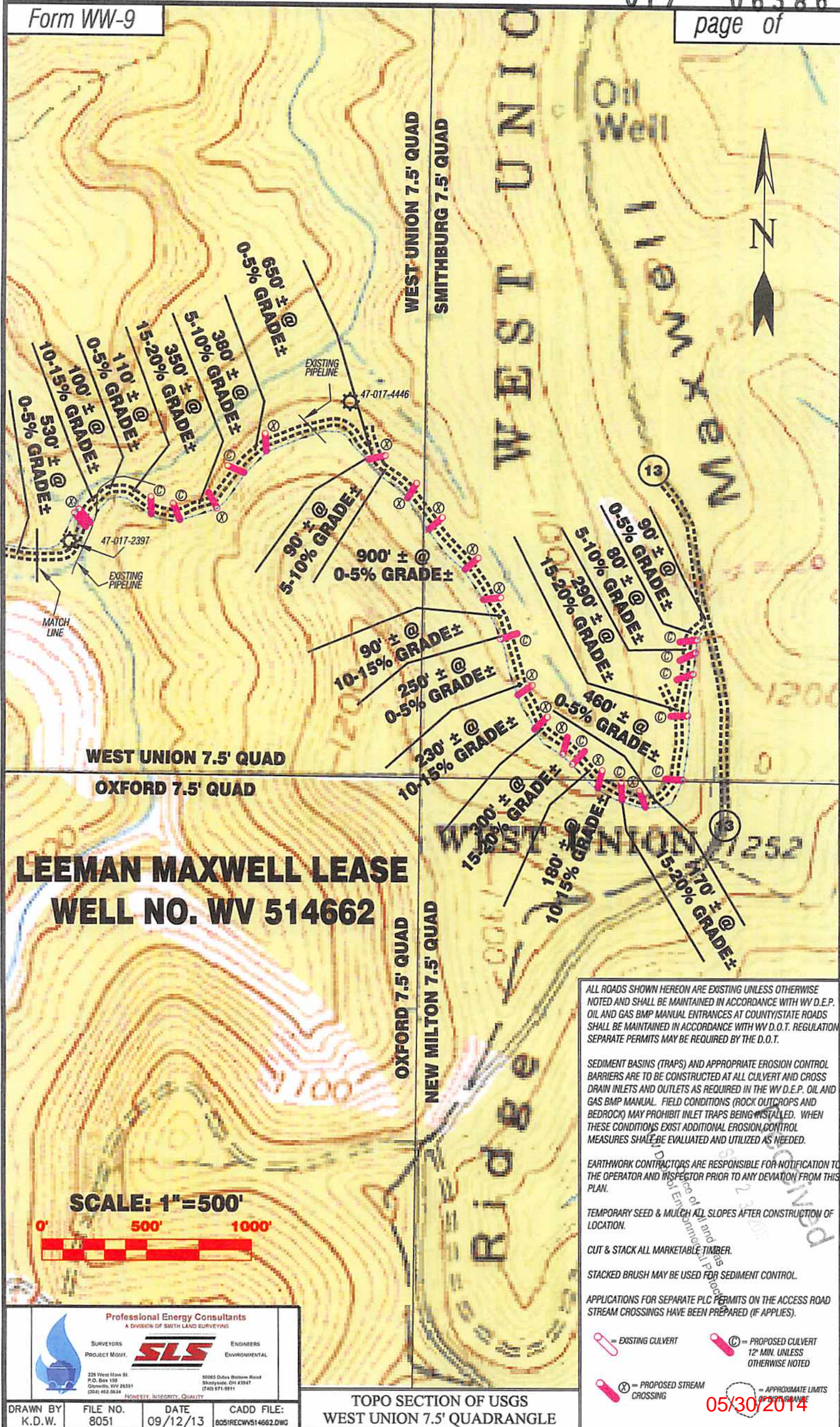
STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



WELL TYPE:	OIL <input type="checkbox"/>	GAS <input checked="" type="checkbox"/>	LIQUID INJECTION <input type="checkbox"/>	WASTE DISPOSAL <input type="checkbox"/>	IF "GAS" PRODUCTION <input checked="" type="checkbox"/>	STORAGE <input type="checkbox"/>	DEEP <input type="checkbox"/>	SHALLOW <input checked="" type="checkbox"/>
LOCATION:	ELEVATION <u>1,224'(GROUND) 1,208'(PROPOSED)</u> WATERSHED <u>BLUESTONE CREEK</u>							
	DISTRICT <u>WEST UNION</u>		COUNTY <u>DODDRIDGE</u>		QUADRANGLE <u>WEST UNION 7.5'</u>			
SURFACE OWNER	<u>JANE HARDIN (TRUSTEE) OF MARY HOLLAND TRUST</u>							ACREAGE <u>1207.637±</u>
ROYALTY OWNER	<u>LEEMAN MAXWELL HEIRS (1000 AC.±) (2164 AC.±)</u>							LEASE NO. <u>706763 / 706764</u>
PROPOSED WORK:	DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD <input type="checkbox"/>							
	FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG <input type="checkbox"/> OTHER <input type="checkbox"/>							PHYSICAL CHANGE IN WELL (SPECIFY) _____
	TARGET FORMATION <u>MARCELLUS</u>							ESTIMATED DEPTH <u>6661'</u>

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
05/30/2014

COUNTY NAME PERMIT



**LEEMAN MAXWELL LEASE
WELL NO. WV 514662**

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 12' MIN. UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING
- = APPROXIMATE LIMITS OF DISTURBANCE

Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING

SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL

226 West Main St. P.O. Box 100 Glenville, WV 26035 (204) 482-5634

50065 Dilux Bottom Road Sharpside, OH 43947 (740) 871-9911

HONESTY. INTEGRITY. QUALITY.

DRAWN BY: K.D.W. FILE NO.: 8051 DATE: 09/12/13 CADD FILE: 8051RECWV514662.DWG

TOPO SECTION OF USGS WEST UNION 7.5' QUADRANGLE

05/30/2014