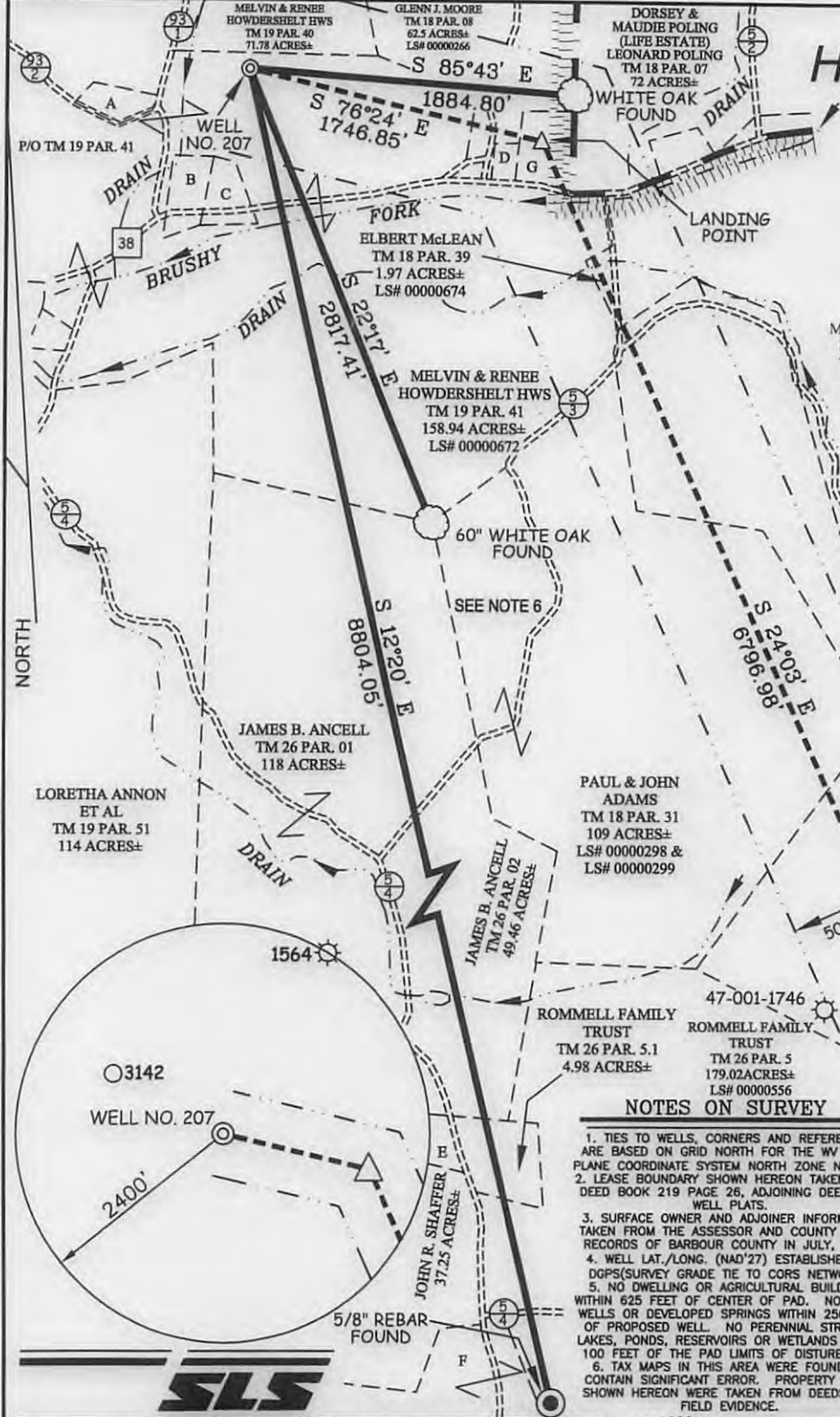
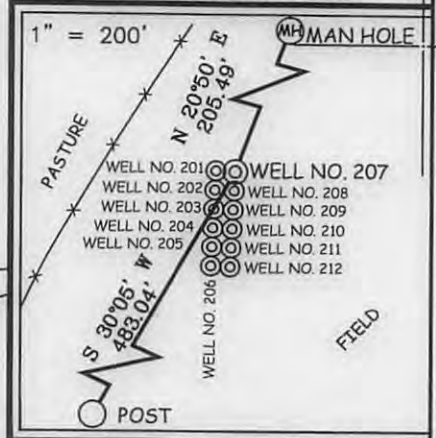


# HOWDERSHOLT LEASE WELL NO. 207

A	NEW HOPE VALLEY CHURCH	0.61 AC. ±	TM 19 PAR. 42
B	ERIC HOWDERSHOLT ET AL	2.15 AC. ±	TM 19 PAR. 41.4
C	MELVIN & RENEE HOWDERSHOLT HWS	2.02 AC. ±	TM 19 PAR. 41.1
D	AVIS A. POLING OWENS	100 SQ FT. ±	TM 18 PAR. 9
E	HARRY T. SHAFFER ET AL	2 AC. ±	TM 26 PAR. 3
F	GERTRUDE A. HALLER	43.76 AC. ±	TM 28 PAR. 4
G	AVIS A. POLING OWENS (LS# 00000279)	6.64 AC. ±	TM 18 PAR. 10

## REFERENCES



MARK & ELOISE HOLLEN HWS  
TM 18 PAR. 30  
70 ACRES±  
LS# 00002147

THOMAS & RAMILE POLING HWS  
TM 18 PAR. 32  
174 ACRES±  
LS# 00002148

KEVIN KLINGENSMITH ET AL  
TM 26 PAR. 6  
111 ACRES±  
LS# 00000269 & LS# 00000270

PAUL & JOHN ADAMS  
TM 18 PAR. 31  
109 ACRES±  
LS# 00000298 & LS# 00000299

ROMMELL FAMILY TRUST  
TM 26 PAR. 5.1  
4.98 ACRES±

ROMMELL FAMILY TRUST  
TM 26 PAR. 5  
179.02 ACRES±  
LS# 00000556

LORETHA ANNON ET AL  
TM 19 PAR. 51  
114 ACRES±

JAMES B. ANCELL  
TM 26 PAR. 01  
118 ACRES±

JAMES B. ANCELL  
TM 26 PAR. 02  
49.46 ACRES±

MELVIN & RENEE HOWDERSHOLT HWS  
TM 19 PAR. 41  
158.94 ACRES±  
LS# 00000672

ELBERT MCLEAN  
TM 18 PAR. 39  
1.97 ACRES±  
LS# 00000674

MELVIN & RENEE HOWDERSHOLT HWS  
TM 19 PAR. 40  
71.78 ACRES±

GLENN J. MOORE  
TM 18 PAR. 08  
62.5 ACRES±  
LS# 00000266

### NOTES ON SURVEY

1. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD 27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 219 PAGE 26, ADJOINING DEED AND WELL PLATS.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF BARBOUR COUNTY IN JULY, 2013.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SURVEY GRADE TIE TO CORS NETWORK).
5. NO DWELLING OR AGRICULTURAL BUILDINGS WITHIN 625 FEET OF CENTER OF PAD. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE PAD LIMITS OF DISTURBANCE.
6. TAX MAPS IN THIS AREA WERE FOUND TO CONTAIN SIGNIFICANT ERROR. PROPERTY LINES SHOWN HEREON WERE TAKEN FROM DEEDS AND FIELD EVIDENCE.

### WELL NO. 207 STATE PLANE COORDINATES (NORTH ZONE) NAD 27

N. 254,205  
E. 1,893,622

LAT=(N) 39.197334  
LONG=(W) 79.875347

### UTM (NAD83)(METERS)

N. 4,339,289  
E. 597,133

### LANDING POINT WELL NO. 207 STATE PLANE COORDINATES (NORTH ZONE) NAD 27

N. 253,795  
E. 1,895,319

LAT=(N) 39.196225  
LONG=(W) 79.869351

### UTM (NAD83)(METERS)

N. 4,339,172  
E. 597,653

### BOTTOM HOLE WELL NO. 207 STATE PLANE COORDINATES (NORTH ZONE) NAD 27

N. 247,587  
E. 1,898,089

LAT=(N) 39.19213  
LONG=(W) 79.859492

### UTM (NAD83)(METERS)

N. 4,337,295  
E. 598,528

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 21, 20 13  
 OPERATORS WELL NO. 207  
 API WELL NO. 47-001-0332146A  
 STATE 47 COUNTY 001 PERMIT 0332146A

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7962P207R2  
 PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

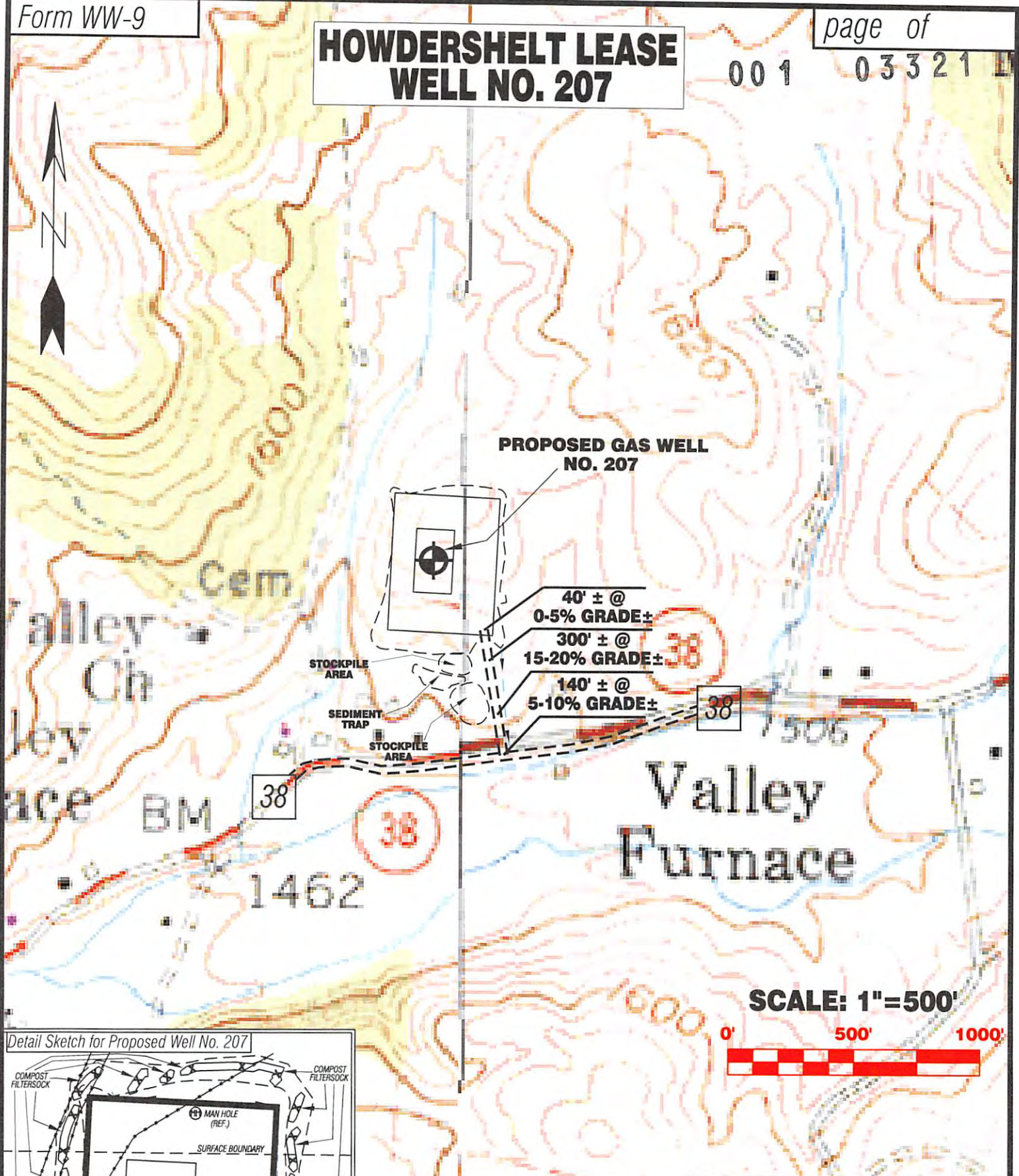
STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1,570'(GROUND) 1,558'(PROPOSED) WATERSHED BRUSHY FORK OF TETER CREEK  
 DISTRICT COVE COUNTY BARBOUR QUADRANGLE NESTORVILLE 7.5'  
 SURFACE OWNER MELVIN AND RENEE HOWDERSHOLT ACREAGE 158.94±  
 ROYALTY OWNER MELVIN & RENEE HOWDERSHOLT (158.94 AC.±), GLENN MOORE ET AL (62.50 AC.± & 6.102 AC.±), MARK HOLLEN (70 AC.±), HARRY T. SHAFFER ET AL (111 AC.±), THOMAS POLING ET UX (174 AC.±), PAUL & JOHN ADAMS (109 AC.±), ROMMELL FAMILY TRUST (179.02 AC.±), ELBERT MCLEAN (1.97 AC.±), THOMAS W. OWENS (6.64 AC.±)  
 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 7,845' / TMD 15,584'

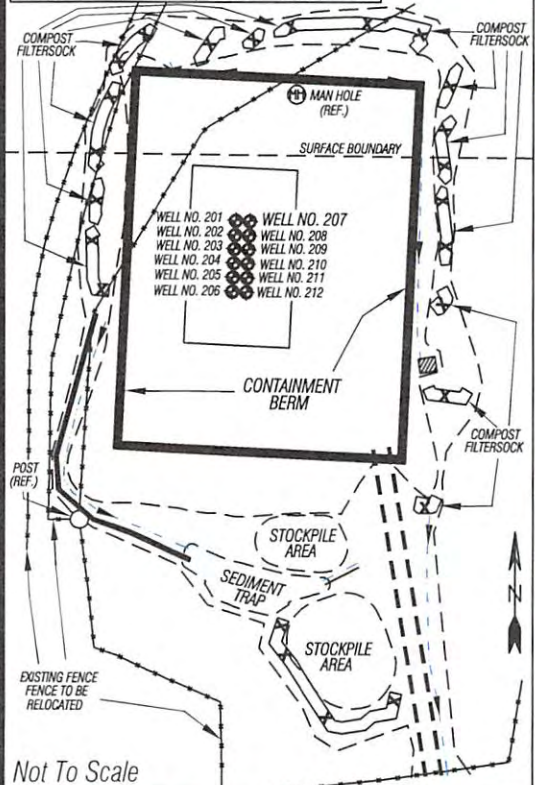
WELL OPERATOR MOUNTAINEER KEYSTONE LLC DESIGNATED AGENT NATHAN SKEEN  
 ADDRESS 1111 VAN VOORHIS ROAD, SUITE G ADDRESS 1111 VAN VOORHIS ROAD, SUITE G  
MORGANTOWN, WV 26505 MORGANTOWN, WV 26505 **01/10/2014**



# HOWDERSHOLT LEASE WELL NO. 207



Detail Sketch for Proposed Well No. 207



Not To Scale

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 PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLICABLE).

LEGEND:  
- EXISTING CULVERT  
- PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED

Office of Oil and Gas  
Department of Environmental Protection

NESTORVILLE 7.5' QUAD  
COLEBANK 7.5' QUAD

**Professional Energy Consultants**  
A DIVISION OF SMITH LAND SURVEYING

SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL

226 West Main St. P.O. Box 150 Glenville, WV 26351 (304) 462-5634  
56065 Dilles Bottom Road Shady Side, OH 43947 (740) 671-9911

HONESTY, INTEGRITY, QUALITY

DRAWN BY: K.D.W. FILE NO.: 7962 DATE: 08/26/13 CADD FILE: 7962REC207.dwg

TOPO SECTION OF NESTORVILLE 7.5' & COLEBANK 7.5' USGS TOPO QUADRANGLES

01/10/2014