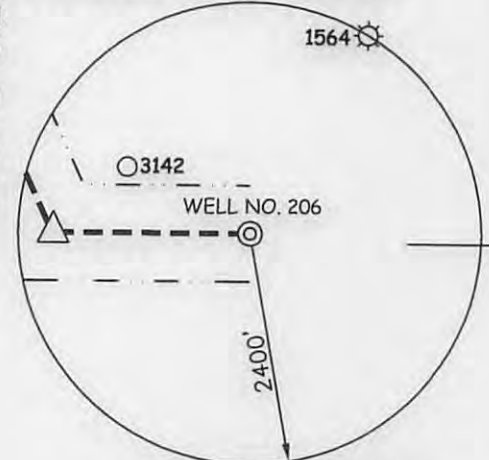
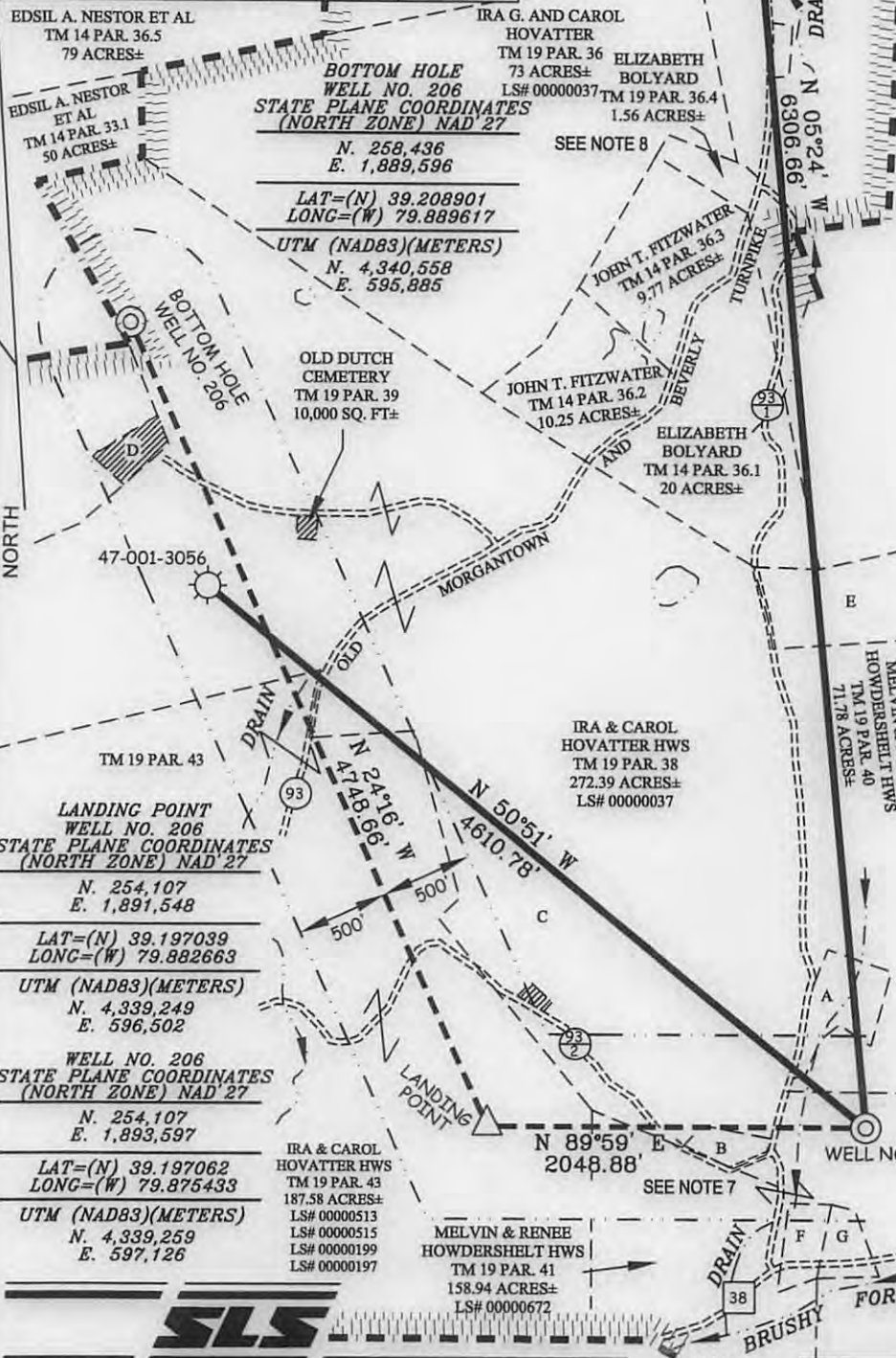


A	MELVIN & RENEE HOWDERSHELT HWS	1.22 AC. ±	TM 19 PAR. 40.1
B	NEW HOPE VALLEY CHURCH LS# 00001390	20,000 SQ. FT	TM 19 PAR. 42
C	NEW HOPE VALLEY CHURCH	0.81 AC. ±	TM 19 PAR. 38.1
D	OLD DUTCH CHURCH	2 AC. ±	TM 19 PAR. 37
E	TOMMY & DOTTIE FREEMAN	92 AC. ±	TM 19 PAR. 39.1
F	ERIC HOWDERSHELT ET AL	2.15 AC. ±	TM 19 PAR. 41.4
G	MELVIN & RENEE HOWDERSHELT HWS	2.02 AC. ±	TM 19 PAR. 41.1

ADAM ROHRIG JR. ET AL
TM 14 PAR. 38
83 ACRES ±

HOWDERSHELT LEASE WELL NO. 206

LATITUDE 39°12'30"



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 DEEDS 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. THIS SECTION OF COUNTY ROUTE 93 IS KNOWN AS PART OF THE OLD MORGANTOWN AND BEVERLY TURNPIKE. A STRIP OF GROUND (POSSIBLY 60 FEET OR MORE IN WIDTH) CLAIMED IN FEE BY WEST VIRGINIA DEPARTMENT OF HIGHWAYS.
6. 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.
7. TAX MAPS IN THIS AREA WERE FOUND TO CONTAIN SIGNIFICANT ERROR. PROPERTY LINES SHOWN HEREON WERE TAKEN FROM DEEDS AND FIELD EVIDENCE.
8. DUE TO POOR DEED DESCRIPTION AND ERRONEOUS TAX MAPS THE ACTUAL LOCATION OF 1.56 AC. TRACT COULD NOT BE DETERMINED. HOWEVER FOR INFORMATIONAL PURPOSES SHOWN HEREON PER TAX MAP 14, WHICH MAY OR MAY NOT BE CORRECT.

REFERENCES



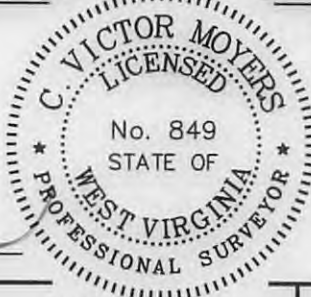
BOTTOM HOLE WELL NO. 206
STATE PLANE COORDINATES (NORTH ZONE) NAD 27
N. 258,436
E. 1,889,596
LAT=(N) 39.208901
LONG=(W) 79.889617
UTM (NAD83)(METERS)
N. 4,340,558
E. 595,885

LANDING POINT WELL NO. 206
STATE PLANE COORDINATES (NORTH ZONE) NAD 27
N. 254,107
E. 1,891,548
LAT=(N) 39.197039
LONG=(W) 79.882663
UTM (NAD83)(METERS)
N. 4,339,249
E. 596,502

WELL NO. 206
STATE PLANE COORDINATES (NORTH ZONE) NAD 27
N. 254,107
E. 1,893,597
LAT=(N) 39.197062
LONG=(W) 79.875433
UTM (NAD83)(METERS)
N. 4,339,259
E. 597,126

IRA & CAROL HOVATTER HWS
TM 19 PAR. 43
187.58 ACRES ±
LS# 00000513
LS# 00000515
LS# 00000199
LS# 00000197

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



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. 206
API WELL NO. 47-001-03320 H6A
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7962P206R2
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 1,560'(GROUND) 1,558'(PROPOSED) WATERSHED BRUSHY FORK OF TETER CREEK
DISTRICT COVE COUNTY BARBOUR QUADRANGLE NESTORVILLE 7.5'

SURFACE OWNER MELVIN AND RENEE HOWDERSHELT ACREAGE 158.94±

ROYALTY OWNER MELVIN & RENEE HOWDERSHELT (158.94 AC.±), IRA G. & CAROL HOVATTER (272.39 AC.± & 187.58 AC.±), EDISON J. SHAW ET AL (187.58 AC.±), NEW HOPE CHURCH (10,000 SQ. FT. LOT)

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

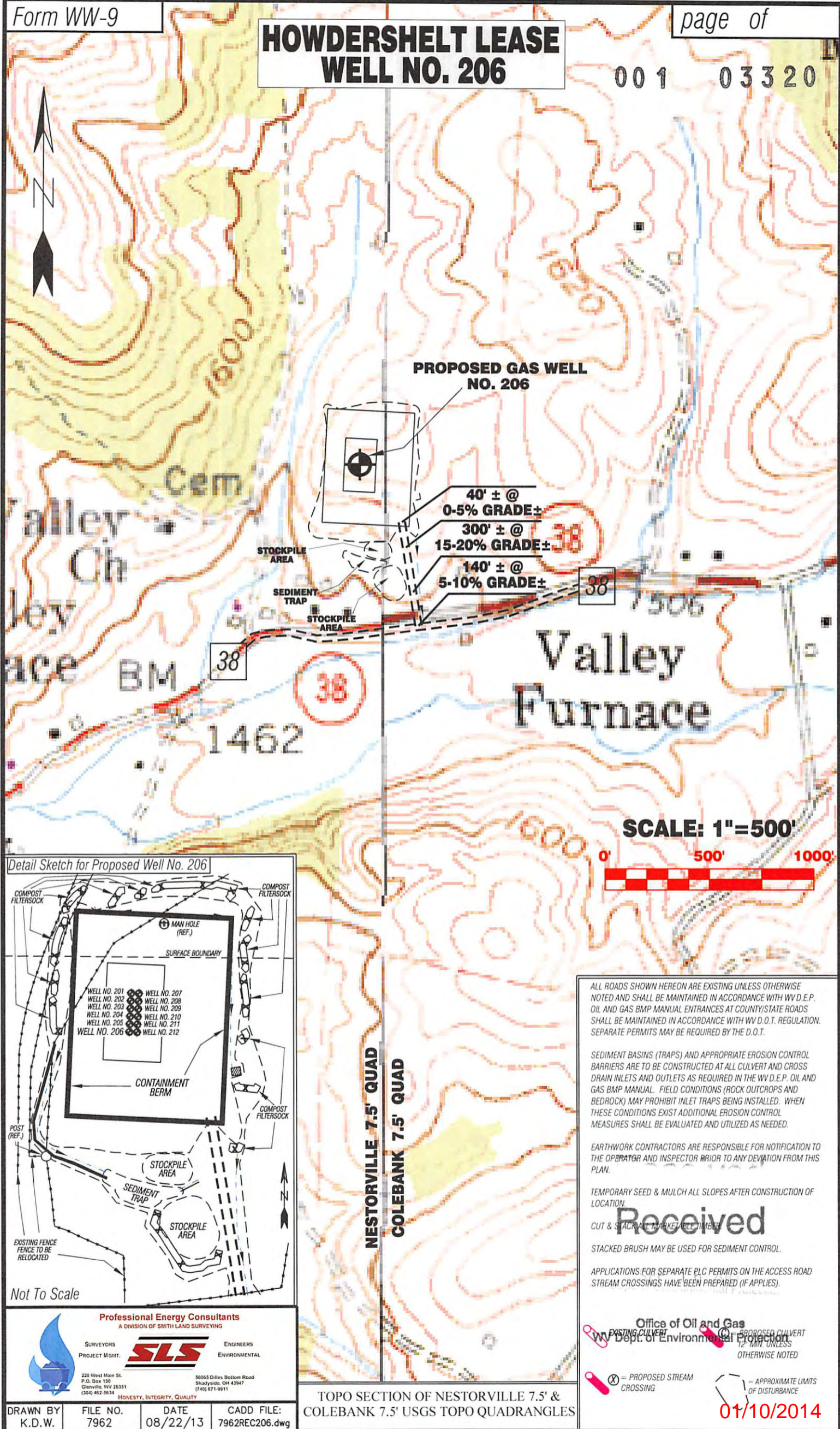
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
ESTIMATED DEPTH TVD 7,845' / TMD 13,739'

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

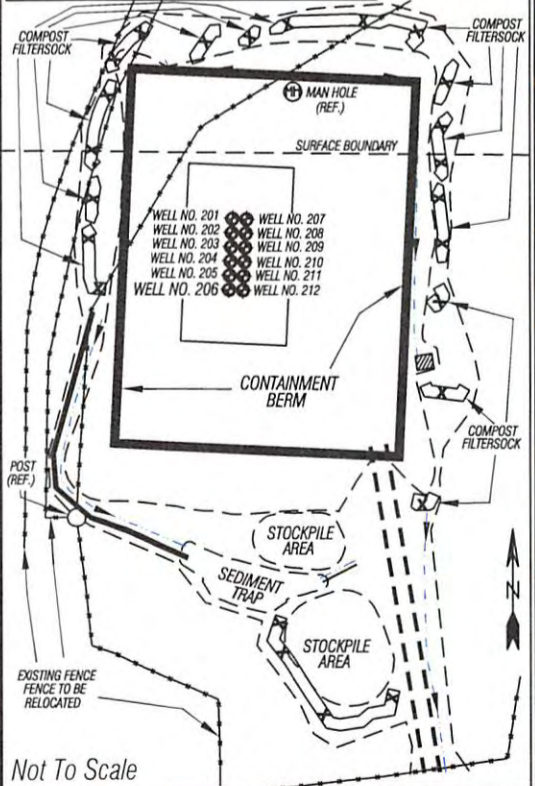
01/10/2014

HOWERSHELT LEASE WELL NO. 206

001 03320



Detail Sketch for Proposed Well No. 206



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

PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED

EXISTING CULVERT

⊗ = PROPOSED STREAM CROSSING

○ = APPROXIMATE LIMITS OF DISTURBANCE

Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING

SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL

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P.O. Box 150
Cherryville, WV 26351
(304) 462-5834

56055 Diles Bottom Road
Shady Side, OH 43947
(740) 871-9911

HONESTY. INTEGRITY. QUALITY

DRAWN BY K.D.W.	FILE NO. 7962	DATE 08/22/13	CADD FILE: 7962REC206.dwg
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TOPO SECTION OF NESTORVILLE 7.5' & COLEBANK 7.5' USGS TOPO QUADRANGLES

01/10/2014