

LATITUDE 39°12'30"

SURFACE OWNERS		
A	MELVIN AND RENEE HOWDERSHOLT	TM 19 PAR. 41
B	MELVIN AND RENEE HOWDERSHOLT	TM 19 PAR. 40
C	IRA G. AND CAROL HOVATTER	TM 19 PAR. 38
D	NEW HOPE VALLEY CHURCH	TM 19 PAR. 42
E	NEW HOPE VALLEY U.M. CHURCH	TM 19 PAR. 38.1
F	CHURCH LOT	
G	IRA G. AND CAROL HOVATTER	TM 19 PAR. 43
H	BETTY L. KELLEY ET AL	TM 19 PAR. 47
I	RONALD AUVIL	TM 19 PAR. 50
J	ELWOOD AND PENNY CANFIELD	TM 19 PAR. 41.5
K	ELWOOD CANFIELD	TM 19 PAR. 41.2
L	ERIC AND LISA EVIX	TM 19 PAR. 41.3
M	ERIC HOWDERSHOLT	TM 19 PAR. 41.4
N	MELVIN AND RENEE HOWDERSHOLT	TM 19 PAR. 41.1
O	LORETHA M. ANNON LEGACY TRUST ET AL	TM 19 PAR. 51
P	GLEN MOORE ET UX	TM 18 PAR. 08
Q	DORSEY AND MAUDIE POLING ET AL	TM 18 PAR. 07
R	THOMAS W. OWENS	TM 18 PAR. 10
S	THOMAS W. OWENS	TM 18 PAR. 09
T	ELBERT McLEAN ET UX	TM 18 PAR. 39
U	MARK AND ELOISE HOLLEN	TM 18 PAR. 30
V	THOMAS AND RAMILE POLING	TM 18 PAR. 32
W	PAUL AND JOHN ADAMS	TM 18 PAR. 31
X	JAMES B. ANCELL	TM 26 PAR. 01
Y	JAMES B. ANCELL	TM 26 PAR. 02
Z	ROMMELL FAMILY TRUST	TM 26 PAR. 05
AA	ROMMELL FAMILY TRUST	TM 26 PAR. 05.1
BB	KEVIN KLINGENSMITH ET AL	TM 26 PAR. 06
CC	JOHN SHAFFER ET UX	TM 26 PAR. 03.1
DD	HARRY T. SHAFFER ET AL	TM 26 PAR. 03
EE	GERTRUDE HALLER	TM 26 PAR. 04
FF	MARY MOCCIO	TM 04 PAR. 06
GG	MARY MOCCIO	TM 04 PAR. 05
HH	BRIAN PURKEY ET AL	TM 04 PAR. 01
II	JERRY D. HALLER ET UX	TM 26 PAR. 4.1
JJ	DOWARD MATLUCK ET UX	TM 25 PAR. 41
KK	DOWARD MATLUCK ET UX	TM 25 PAR. 43
LL	JEAN G. MARSH ET AL	TM 25 PAR. 40.3
MM	GARY A. MARSH	TM 25 PAR. 40
NN	GLEN MOORE ET UX	TM 15 PAR. 13

LONGITUDE 79°52'30"

NOTES ON SURVEY

1. NO WATER WELLS OR DEVELOPED SPRINGS 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. NO RAILROADS WERE FOUND WITHIN THE SCOPE OF THIS PLAT.
2. TAX MAPS IN THIS AREA WERE FOUND TO CONTAIN SIGNIFICANT ERROR. PROPERTY LINES SHOWN HEREON WERE TAKEN FROM DEEDS AND FIELD EVIDENCE.
3. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD' 27.
4. PARCEL 13 ON TAX MAP 15 IS ACTUALLY LOCATED ON TAX MAP 18 NORTH OF PARCEL 10.

HOWDERSHOLT LEASE WELL NO. 210

(NAD'83 UTM (METERS) ZONE 17 NORTH)

TOP HOLE

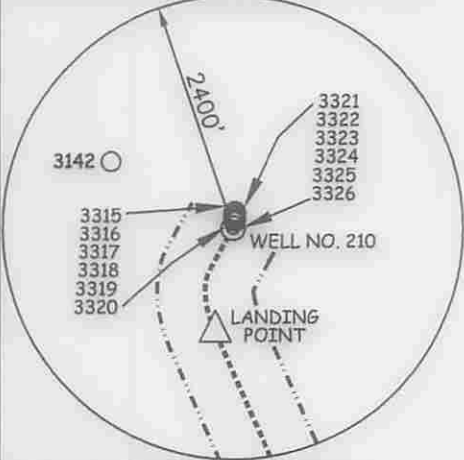
N. 4,339,235 E. 597,122

LANDING POINT

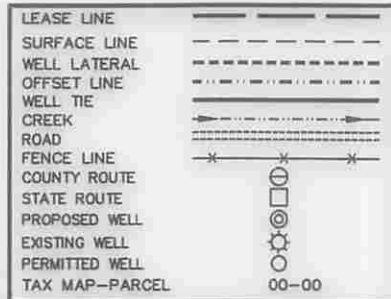
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BOTTOM HOLE

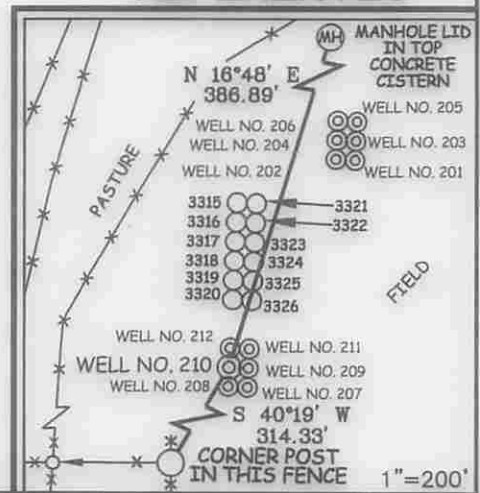
N. 4,337,025 E. 597,948



LATERAL ROYALTY OWNERS		
1	MELVIN HOWDERSHOLT ET UX	158.94 AC±
2	JAMES ANCEL ET UX	49.46 AC± & 116 AC±
3	ROMMELL FAMILY TRUST	111 AC±
4	V. ERIC HOWDERSHOLT	2.15 AC±



REFERENCES



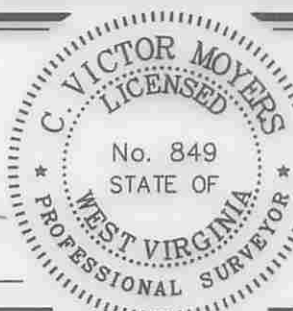
Professional Energy Consultants
A DIVISION OF SMITH LANG SURVEYING, INC.

SURVEYORS
ENGINEERS
ENVIRONMENTAL
PROJECT MGMT.

(204) 682-6534 WWW.SLSURVEYS.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 JULY 14, 20 14
REVISED _____, 20 _____
OPERATORS WELL NO. 210
API WELL NO. 47-001-03324 *MOL*
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 7962P210R5
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 X LIQUID INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: ELEVATION 1,564'(GROUND) 1,557'(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 AND RENEE HOWDERSHOLT ACREAGE 158.94±

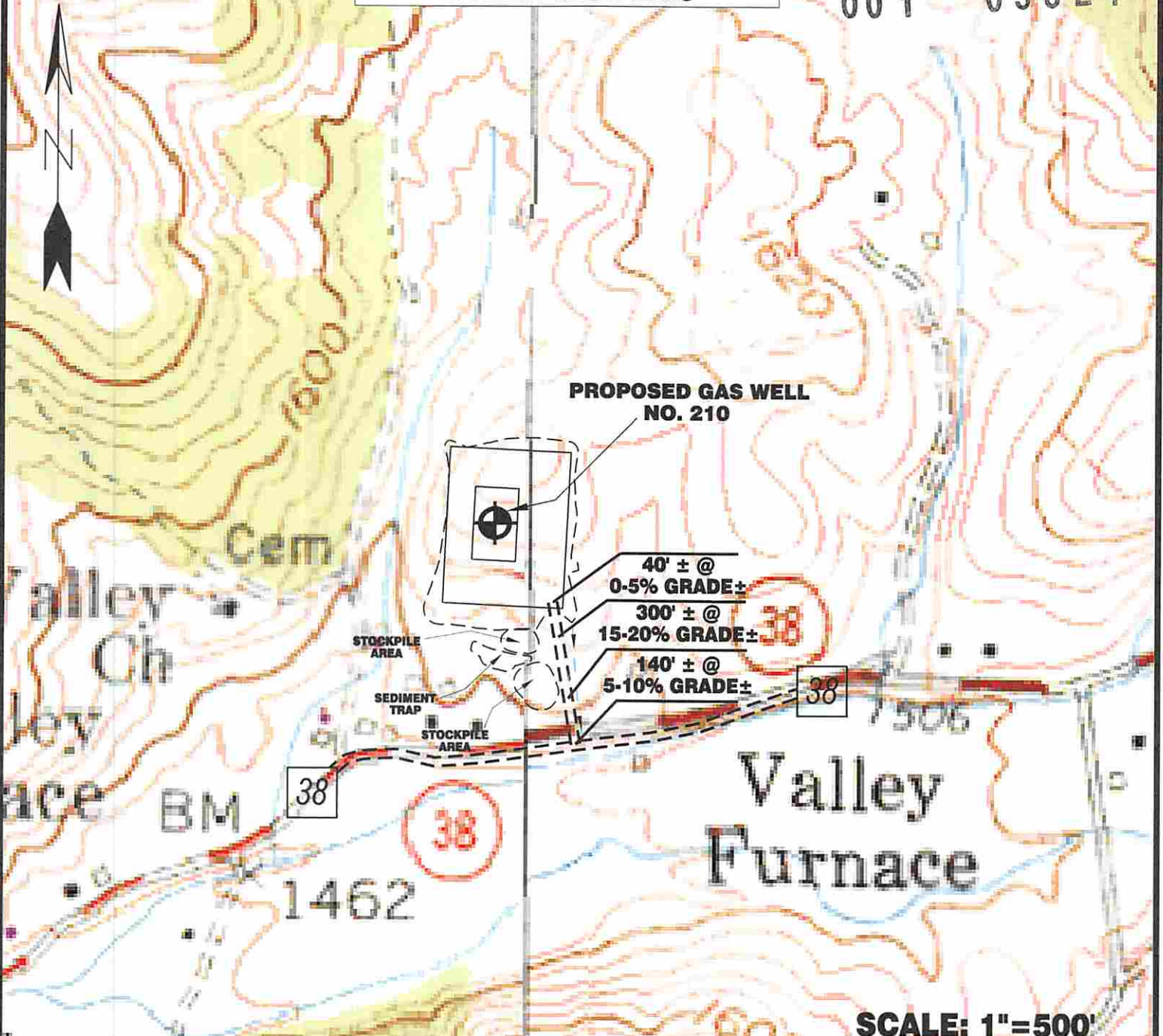
PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD _____
FORMATION _____ PERFORATE NEW FORMATION _____ PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____ OTHER _____
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
ESTIMATED DEPTH TVD 7,845' / TMD 15,166'

WELL OPERATOR MOUNTAINEER KEYSTONE LLC DESIGNATED AGENT NATHAN SKEEN
ADDRESS 1111 VAN VOORHIS ROAD, SUITE G MORGANTOWN, WV 26505 ADDRESS 1111 VAN VOORHIS ROAD, SUITE G MORGANTOWN, WV 26505 **01/02/2015**

COUNTY NAME PERMIT

HOWDERSHOLT LEASE WELL NO. 210

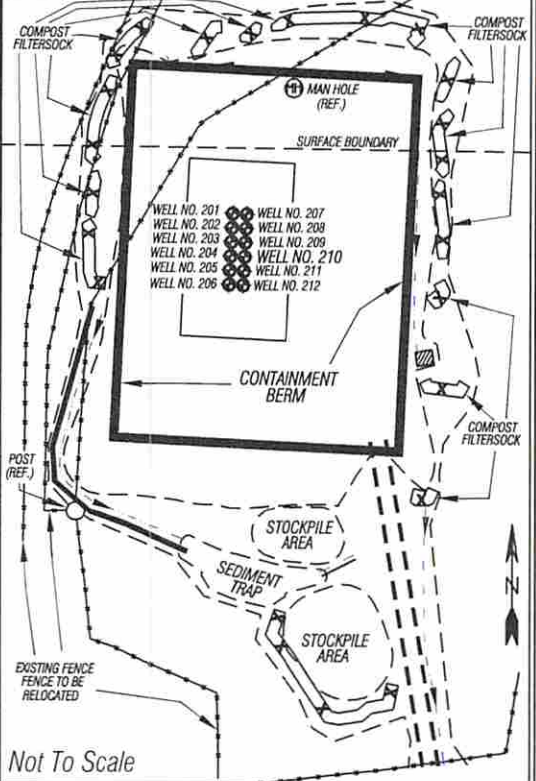
001 03324



SCALE: 1"=500'



Detail Sketch for Proposed Well No. 210



NESTORVILLE 7.5' QUAD
COLEBANK 7.5' QUAD

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

- = EXISTING CULVERT
- = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING

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HONESTY, INTEGRITY, QUALITY

DRAWN BY: K.D.W. FILE NO.: 7962 DATE: 08/22/13 CADD FILE: 7962REC210.dwg

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

Office of Oil and Gas
WV Dept. of Environmental Protection

APPROXIMATE LIMITS OF DISTURBANCE

01/02/2015