

LATERAL ROYALTY OWNERS		
1	MELVIN & RENEE HOWDERSHELT	158.94 AC.±
2	MELVIN & RENEE HOWDERSHELT	71.78 AC.±
3	TOMMY & DOTTIE FREEMAN	92 AC.±
4	ELIZABETH BOLYARD ET AL.	20 AC.±
5	DAVID & MARY TINCHER	
6	JOHN T. FITZWATER ET AL.	9.77 AC.±
7	IRA G. HOVATTER ET UX	79 AC.±
8	ADAM ROHRIG JR. ET UX	83 AC.±
9	JEAN KINES	103 AC.±
10	ELIZABETH BOLYARD ET AL.	1.56 AC.±
11	DAVID & MARY TINCHER	

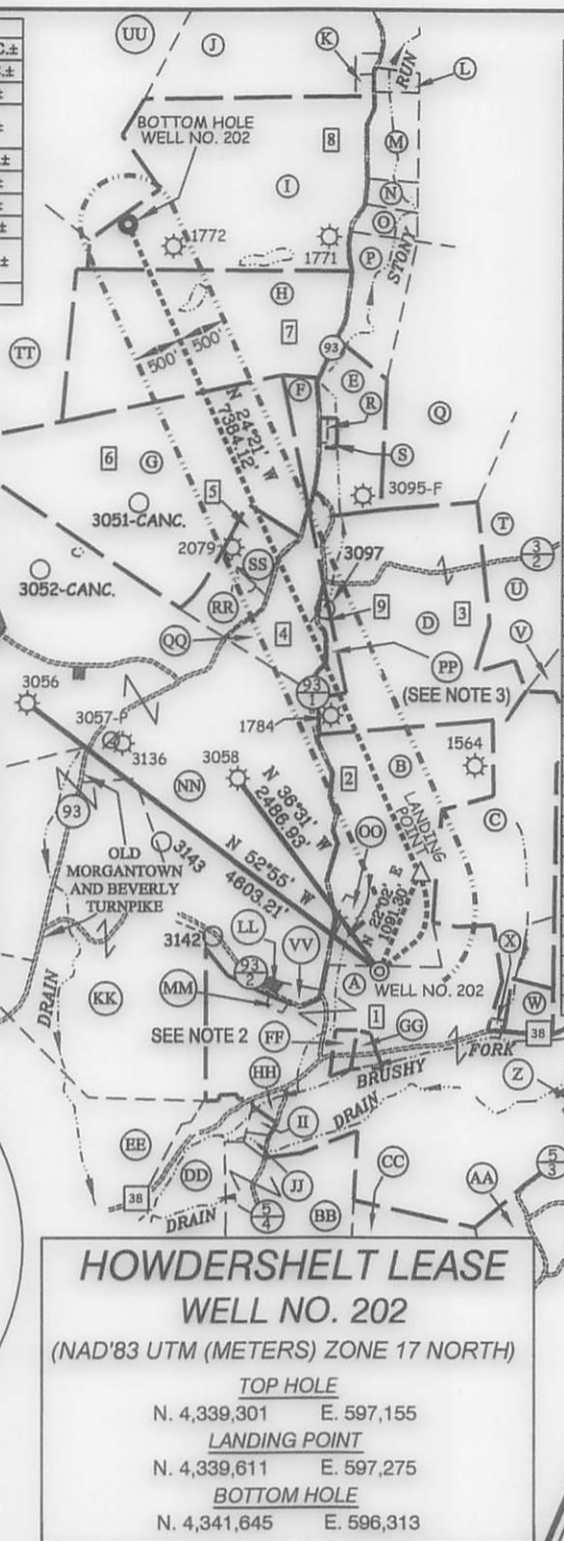
NOTES ON SURVEY

- 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.
- TAX MAPS IN THIS AREA WERE FOUND TO CONTAIN SIGNIFICANT ERROR. PROPERTY LINES SHOWN HEREON WERE TAKEN FROM DEEDS AND FIELD EVIDENCE.
- DUE TO POOR DEED DESCRIPTION AND PARTIALLY INCORRECT TAX MAPS THE ACTUAL LOCATION OF 1.56 AC. TRACT IS NOT DEFINITE. THE CURRENT LAND OWNER IS UNCERTAIN OF ITS LOCATION. TAX MAP 14 SHOWS SAID LOT NORTH OF JOHN FITZWATER. SLS BELIEVES TRACT COULD BE LOCATED WHERE INDICATED BY CIRCLED PP.
- TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD' 27.

LEGEND

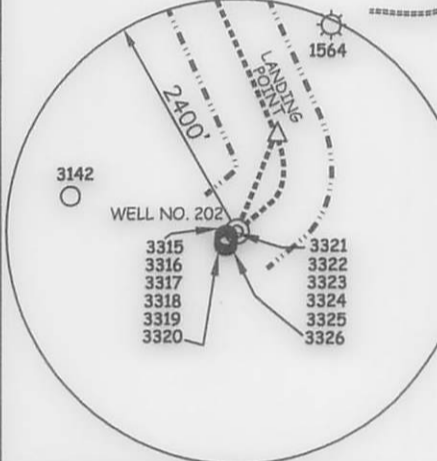
LEASE LINE	---
SURFACE LINE	----
WELL LATERAL	----
OFFSET LINE	----
WELL TIE	----
CREEK	~~~~~
ROAD	====
FENCE LINE	---x---
COUNTY ROUTE	—+—+—+—
STATE ROUTE	—+—+—+—
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP-PARCEL	00-00

NORTH



SURFACE OWNERS		
A	MELVIN & RENEE HOWDERSHELT	TM 19 PAR. 41
B	MELVIN & RENEE HOWDERSHELT	TM 19 PAR. 40
C	GLEN MOORE ET UX	TM 18 PAR. 8
D	TOMMY & DOTTIE FREEMAN	TM 19 PAR. 39.1
E	ELIZABETH BOLYARD ET AL.	TM 14 PAR. 53
F	ROBERT & BERNICE PITZER	TM 14 PAR. 37
G	IRA G. HOVATTER ET UX	TM 14 PAR. 38
H	A.C. BARBOUR, LLC C/O LINDA K. ROHRIG	TM 14 PAR. 38
I	RUTH ANTONELLI	TM 14 PAR. 39
J	PATRICIA RICOTTILLI LRJ LLC	TM 14 PAR. 40
K	TRUSTEES KASSON U.M. CHURCH	TM 14 PAR. 40.1
L	TRUSTEES DANVILLE CHURCH	TM 14 PAR. 50
M	LAWRENCE KNOTT	TM 14 PAR. 51
N	BILLIE POLING ET AL.	TM 14 PAR. 51.1
O	BILLIE POLING ET AL.	TM 14 PAR. 51.2
P	PAUL AND ERICA HALLER	TM 14 PAR. 52
Q	PAUL AND ERICA HALLER	TM 15 PAR. 04
R	DAVID L. TINCHER	TM 14 PAR. 53.1
S	DAVID L. TINCHER	TM 14 PAR. 53.2
T	DAVID AND MELISSA SHELTON	TM 15 PAR. 5
U	TOMMY AND DOTTIE FREEMAN ET AL.	TM 15 PAR. 4.1
V	LEOTA O'NEAL ET AL.	TM 18 PAR. 1
W	THOMAS W. OWENS	TM 18 PAR. 10
X	THOMAS W. OWENS	TM 18 PAR. 9
Y	MARK AND ELOISE HOLLEN	TM 18 PAR. 30
Z	ELBERT McLEAN ET UX	TM 18 PAR. 39
AA	PAUL AND JOHN ADAMS	TM 18 PAR. 31
BB	LORETHA M. ANNON LEGACY TRUST ET AL.	TM 19 PAR. 51
CC	JAMES B. ANCELL	TM 28 PAR. 1
DD	RONALD ALVIL	TM 19 PAR. 50
EE	BETTY L. KELLEY ET AL.	TM 19 PAR. 47
FF	ERIC V. HOWDERSHELT	TM 19 PAR. 41.4
GG	MELVIN AND RENEE HOWDERSHELT	TM 19 PAR. 41.1
HH	ELWOOD AND PENNY CANFIELD	TM 19 PAR. 41.5
II	ELWOOD CANFIELD	TM 19 PAR. 41.2
JJ	ERIC AND LISA EVIX	TM 19 PAR. 41.3
KK	IRA G. AND CAROL HOVATTER	TM 19 PAR. 43
LL	NEW HOPE VALLEY U.M. CHURCH	TM 19 PAR. 38.1
MM	NEW HOPE VALLEY CHURCH	TM 19 PAR. 42
NN	IRA G. AND CAROL HOVATTER	TM 19 PAR. 38
OO	MELVIN AND RENEE HOWDERSHELT	TM 19 PAR. 40.1
PP	ELIZABETH BOLYARD ET AL.	TM 14 PAR. 38.4
QQ	ELIZABETH BOLYARD ET AL.	TM 14 PAR. 36.1
RR	JOHN T. FITZWATER	TM 14 PAR. 38.2
SS	JOHN T. FITZWATER	TM 14 PAR. 38.3
TT	EDSIL NESTOR ET AL.	TM 14 PAR. 36.5
UU	EDSIL NESTOR ET AL.	TM 14 PAR. 32
VV	CHURCH LOT	

LONGITUDE 79°52'30"



HOWDERSHELT LEASE
WELL NO. 202
 (NAD'83 UTM (METERS) ZONE 17 NORTH)

TOP HOLE
 N. 4,339,301 E. 597,155

LANDING POINT
 N. 4,339,611 E. 597,275

BOTTOM HOLE
 N. 4,341,645 E. 596,313

CANCELLED REFERENCES



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

SLS
 SURVEYORS
 ENGINEERS
 ENVIRONMENTAL
 PROJECT MGMT.

(304) 462-6634 WWW.SLSURVEYS.COM



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JULY 14, 20 14

REVISED _____, 20 _____

OPERATORS WELL NO. 202

API CANCELLED MOD

WELL NO. 47-001-03316

STATE _____ COUNTY _____ PERMIT _____

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. C. Victor Moyers
 849

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7962P202R6

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 INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: ELEVATION 1,578'(GROUND) 1,557'(PROPOSED) WATERSHED BRUSHY FORK OF TETER CREEK

DISTRICT COVE COUNTY BARBOUR QUADRANGLE NESTORVILLE 7.5'

SURFACE OWNER MELVIN & RENEE HOWDERSHELT ACREAGE 158.94±

ROYALTY OWNER MELVIN & RENEE HOWDERSHELT ACREAGE 158.94± LEASE NO. 00000672

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 15,838'

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

COUNTY NAME PERMIT

01/15/2016



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

January 12, 2016

FINAL INSPECTION REPORT

Well Permit Cancelled

MOUNTAINEER KEYSTONE, LLC,

The FINAL INSPECTION REPORT for the CANCELLED permit, API Well Number: 47-103316, issued to MOUNTAINEER KEYSTONE, LLC, and listed below has been received in this office. The permit has been cancelled as of 1/11/2016.

James Martin
Chief

Operator: MOUNTAINEER KEYSTONE, LLC
Operator's Well No: HOWDERSHELT 202
Farm Name: HOWDERSHELT, MELVIN & REN
API Well Number: 47-103316
Date Issued: 01/09/2014

Date Cancelled: 01/11/2016

Promoting a healthy environment.

01/15/2016

INSPECTORS PERMIT SUMMARY FORM

GPS YES [] NO []

DATE STARTED/LOCATION: _____ OPERATOR: MOUNTAINEER KEYSTONE, LLC
 DRILLING COMMENCED: _____ FARM: HOWDERSHELT, MELVIN & RENE
 TO DATE: _____ DEPTHS: _____ Well No: HOWDERSHELT 202
 WATER DEPTHS: _____ COAL DEPTHS _____

QUESTIONS FOR THIS REPORT ARE IN ACCORDANCE OF WV CODE 22-6-30 AND REGULATIONS 35CSR 4-12.1 AND 35CSR 4-16 AND THE GENERAL WATER POLLUTION CONTROL PERMIT.

POINTS ARE TO BE GIVEN UP TO MAXIMUM AS SHOWN BASED ON PERFORMANCE.

1. DID OPERATOR GIVE PROPER NOTICE TO INSPECTOR BEFORE THE FOLLOWING:
 - A. CONSTRUCTION YES [] NO [] (2_PTS) (4_PTS) _____
 - B. DRILLING YES [] NO [] (2_PTS)
2. WAS THE TIMBER CUT, STACKED, AND BRUSH USED FOR SEDIMENT BARRIERS BEFORE DIRT WORK STARTED? YES [] NO [] (2_PTS) (4_PTS) _____
3. ARE ALL LOCATION AND/OR ROAD BANKS BEING SLOPED? YES [] NO [] (4_PTS) (4_PTS) _____
4. CONSTRUCTIONS: WERE THE FOLLOWING SEDIMENT CONTROL STRUCTURES PROPERLY INSTALLED/MAINTAINED?
 - A. ROAD DITCHES (1)_ (2)_ (3)_ (4)_ (PTS) B. CROSS DRAINS (1)_ (2)_ (3)_ (4)_ (5)_ (PTS)
 - C. CULVERTS (1)_ (2)_ (3)_ (4)_ (5)_ (PTS) D. CREEK CROSSINGS (1)_ (2)_ (3)_ (PTS)
 - E. DIVERSION DITCHES (1)_ (2)_ (3)_ (PTS) F. BARRIERS (1)_ (2)_ (3)_ (PTS)
 - G. TEMPORARY SEEDING YES [] NO [] (10_PTS)

POINTS AVAILABLE FOR QUESTION 4: (33_PTS) _____

5. HAS TOP SOIL (IF ANY) BEEN STOCKED PILED? YES [] NO [] (2_PTS) (2_PTS) _____
6. IS THE PIT PROPERLY INSTALLED AND MAINTAINED? YES [] NO [] (9_PTS) (9_PTS) _____
7. RECLAMATION:
 - A. ROADWAY (1)_ (2)_ (3)_ (PTS) B. LOCATION (1)_ (2)_ (3)_ (PTS)
 - C. PITS (1)_ (2)_ (3)_ (PTS) D. PIPELINES (1)_ (2)_ (3)_ (PTS)
 - E. TANK DIKES (1)_ (2)_ (3)_ (PTS) F. API INSTALLED YES [] NO [] (3_PTS)
 - G. ADEQUATE SEEDING MATERIALS (1)_ (2)_ (3)_ (PTS)
 - H. WAS SEED BED ADEQUATE (1)_ (2)_ (3)_ (PTS)

POINTS AVAILABLE FOR QUESTION 7: (24_PTS) _____

8. WAS RECLAMATION COMPLETED WITHIN:
 - 6 MTHS OF TD 6_PTS ONLY; 4 MTHS OF TD 12_PTS ONLY; 2 MTHS OF TD 19_PTS ONLY;
- POINTS AVAILABLE FOR QUESTION 8: (19_PTS) _____

TOTAL MAXIMUM POSSIBLE SCORE OF 99.

TOTAL RECLAMATION SCORE: _____

1-11-16
 DATE RELEASED
 CANCELLED

Samuel Reynolds
 INSPECTOR'S SIGNATURE

RECORD INSPECTIONS TO THIS WELL ON PAGE 2