

NOTES ON SURVEY

CANCELLED

LATITUDE 39°12'30"

LONGITUDE 79°52'30"

1. NO WATER WELLS OR DEVELOPED SPRINGS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS.
2. TAX MAPS IN THIS AREA WERE FOUND TO CONTAIN SIGNIFICANT ERROR. PROPERTY LINES SHOWN HEREON WERE TAKEN FROM DEEDS AND FIELD EVIDENCE.
3. 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 CC.
4. TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD' 27.

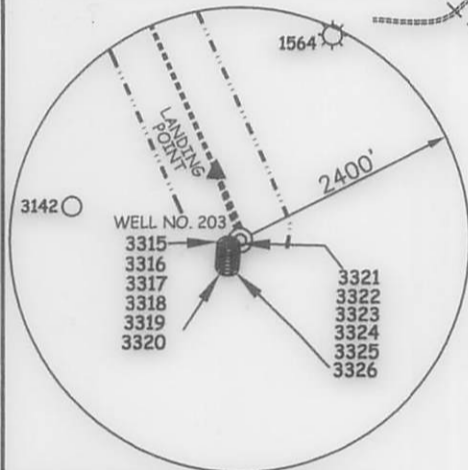
SURFACE OWNERS		
A	MELVIN & RENEE HOWDERSHELT	TM 19 PAR. 41
B	MELVIN & RENEE HOWDERSHELT	TM 19 PAR. 40
C	GLEN MOORE ET UX	TM 18 PAR. 8
D	TOMMY & DOTTIE FREEMAN	TM 19 PAR. 39.1
E	ROBERT & BERNICE PITZER	TM 14 PAR. 37
F	IRA G. HOVATTER ET UX	TM 14 PAR. 36
G	A.C. BARBOUR, LLC C/O LINDA K. ROHRIG	TM 14 PAR. 38
H	RUTH ANTONELLI	TM 14 PAR. 39
I	PAUL AND ERICA HALLER	TM 14 PAR. 52
J	THOMAS W. OWENS	TM 18 PAR. 10
K	THOMAS W. OWENS	TM 18 PAR. 9
L	MARK AND ELOISE HOLLEN	TM 18 PAR. 30
M	ELBERT McLEAN ET UX	TM 18 PAR. 39
N	PAUL AND JOHN ADAMS	TM 18 PAR. 31
O	LORETHA M. ANNON LEGACY TRUST ET AL	TM 19 PAR. 51
P	JAMES B. ANCELL	TM 26 PAR. 1
Q	RONALD AUVIL	TM 19 PAR. 50
R	BETTY L. KELLEY ET AL	TM 19 PAR. 47
S	ERIC V. HOWDERSHELT	TM 19 PAR. 41.4
T	MELVIN AND RENEE HOWDERSHELT	TM 19 PAR. 41.1
U	ELWOOD AND PENNY CANFIELD	TM 19 PAR. 41.5
V	ELWOOD CANFIELD	TM 19 PAR. 41.2
W	ERIC AND LISA EVIX	TM 19 PAR. 41.3
X	IRA G. AND CAROL HOVATTER	TM 19 PAR. 43
Y	NEW HOPE VALLEY U.M. CHURCH	TM 19 PAR. 38.1
Z	NEW HOPE VALLEY CHURCH	TM 19 PAR. 42
AA	IRA G. AND CAROL HOVATTER	TM 19 PAR. 38
BB	MELVIN AND RENEE HOWDERSHELT	TM 19 PAR. 40.1
CC	ELIZABETH BOLDYARD ET AL	TM 14 PAR. 38.4
DD	ELIZABETH BOLDYARD ET AL	TM 14 PAR. 36.1
EE	JOHN T. FITZWATER	TM 14 PAR. 38.2
FF	JOHN T. FITZWATER	TM 14 PAR. 38.3
GG	EDSIL NESTOR ET AL	TM 14 PAR. 36.5
HH	CHURCH LOT	
II	JOEY HOLT	TM 19 PAR. 38
JJ	EDSIL NESTOR	TM 14 PAR. 33.1
KK	OLD DUTCH CHURCH	TM 19 PAR. 37
LL	OLD DUTCH CEMETERY	TM 19 PAR. 39

LATERAL ROYALTY OWNERS		
1	MELVIN HOWDERSHELT ET UX	158.94 AC±
2	MELVIN HOWDERSHELT ET UX	1.22 AC± & 71.78 AC±
	ELIZABETH BOLDYARD	
3	DAVID & MARY TINCHER	20 AC±
4	IRA HOVATTER ET UX	272.39 AC±
5	IRA HOVATTER ET UX	79 AC±
6	ADAM ROHRIG JR. ET UX	83 AC±
7	JOHN FITZWATER	10.25 AC±

STATE OF WEST VIRGINIA (TURNPIKE)

LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- WELL TIE
- CREEK
- ROAD
- FENCE LINE
- COUNTY ROUTE
- STATE ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP--PARCEL

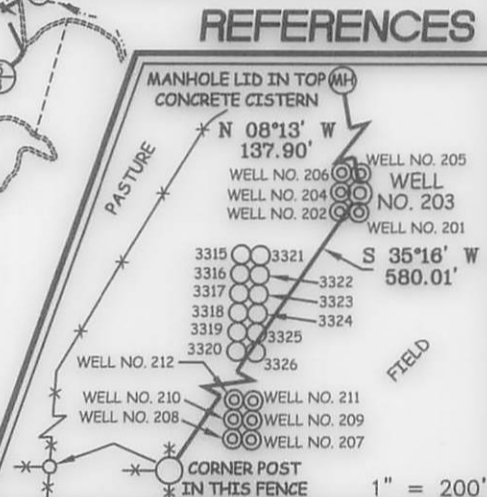


HOWDERSHELT LEASE
WELL NO. 203
 (NAD'83 UTM (METERS) ZONE 17 NORTH)

TOP HOLE
 N. 4,339,307 E. 597,161

LANDING POINT
 N. 4,339,520 E. 597,082

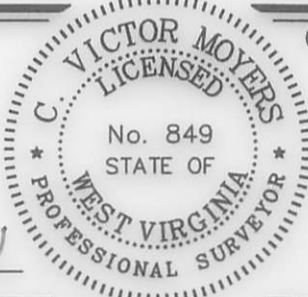
BOTTOM HOLE
 N. 4,341,374 E. 596,205



Professional Energy Consultants
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SLS
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 PROJECT MGMT.

(304) 462-5634 WWW.SLSURVEYS.COM



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

DATE JULY 14, 20 14

REVISED _____, 20 _____

OPERATORS WELL NO. 203

API WELL NO. 47-001-03317

STATE WV COUNTY BARBOUR PERMIT MOD

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7962P203R5

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 INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,579'(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±

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 14,949'

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 TIME PERMIT



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: 47-103317, 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 203
Farm Name: HOWDERSHELT, MELVIN & REN
API Well Number: 47-103317
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 & RENEE
 TO DATE: _____ DEPTHS: _____ Well No: HOWDERSHELT 203
 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

Lenora Chapman
 INSPECTOR'S SIGNATURE

RECORD INSPECTIONS TO THIS WELL ON PAGE 2