

LEGEND

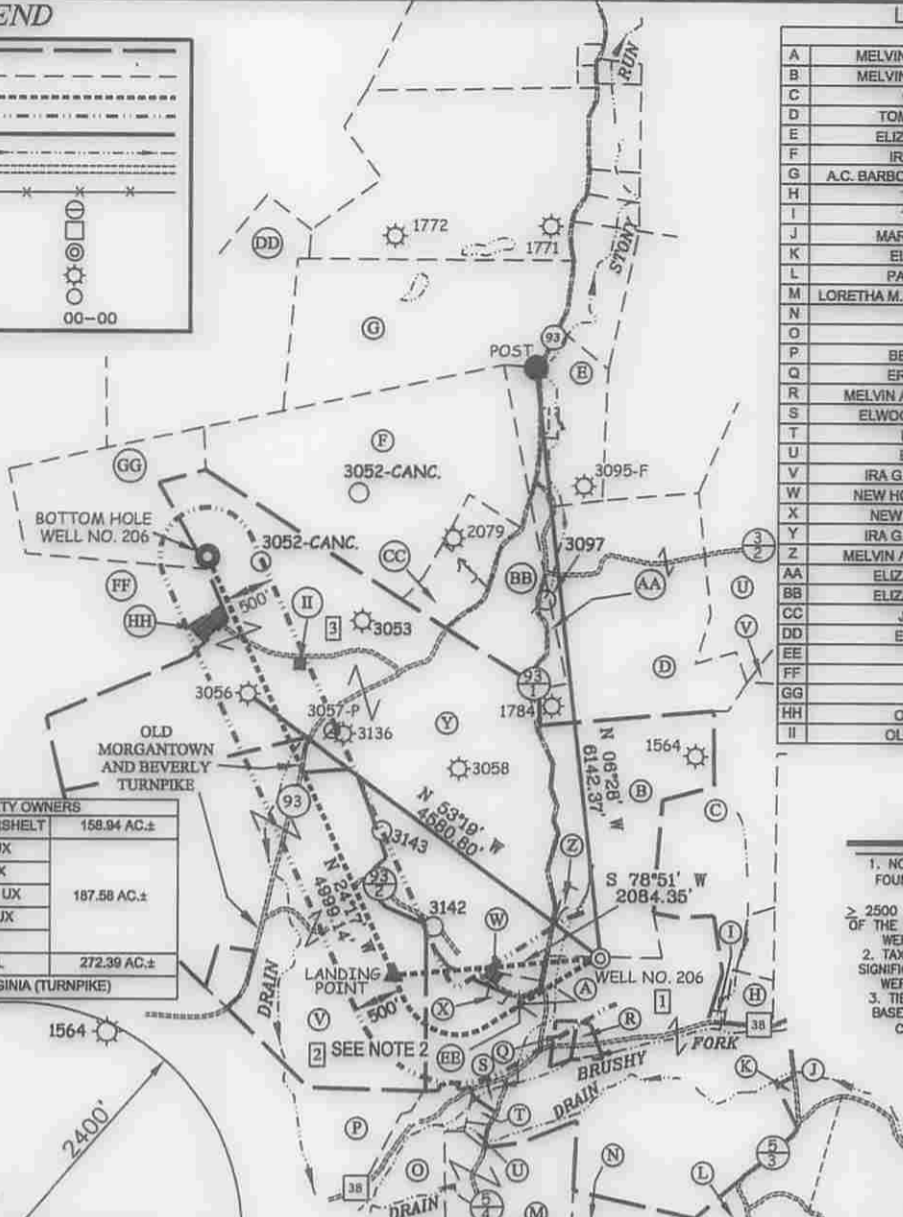
LEASE LINE	---
SURFACE LINE	---
WELL LATERAL	---
OFFSET LINE	---
WELL TIE	---
CREEK	---
ROAD	---
FENCE LINE	---
COUNTY ROUTE	---
STATE ROUTE	---
PROPOSED WELL	○
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP-PARCEL	00-00

LATITUDE 39°12'30"

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 BOLDYARD ET AL	TM 14 PAR. 53
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	THOMAS W. OWENS	TM 18 PAR. 10
I	THOMAS W. OWENS	TM 18 PAR. 9
J	MARK AND ELOISE HOLLEN	TM 18 PAR. 30
K	ELBERT McLEAN ET UX	TM 18 PAR. 39
L	PAUL AND JOHN ADAMS	TM 18 PAR. 31
M	LORETHA M. ANNON LEGACY TRUST ET AL	TM 19 PAR. 51
N	JAMES B. ANCELL	TM 28 PAR. 1
O	RONALD ALVIL	TM 19 PAR. 50
P	BETTY L. KELLEY ET AL	TM 19 PAR. 47
Q	ERIC V. HOWDERSHELT	TM 19 PAR. 41.4
R	MELVIN AND RENEE HOWDERSHELT	TM 19 PAR. 41.1
S	ELWOOD AND PENNY CANFIELD	TM 19 PAR. 41.5
T	ELWOOD CANFIELD	TM 19 PAR. 41.2
U	ERIC AND LISA EVIX	TM 19 PAR. 41.3
V	IRA G. AND CAROL HOVATTER	TM 19 PAR. 43
W	NEW HOPE VALLEY U.M. CHURCH	TM 19 PAR. 38.1
X	NEW HOPE VALLEY CHURCH	TM 19 PAR. 42
Y	IRA G. AND CAROL HOVATTER	TM 19 PAR. 38
Z	MELVIN AND RENEE HOWDERSHELT	TM 19 PAR. 40.1
AA	ELIZABETH BOLDYARD ET AL	TM 14 PAR. 36.4
BB	ELIZABETH BOLDYARD ET AL	TM 14 PAR. 36.1
CC	JOHN T. FITZWATER	TM 14 PAR. 38.2
DD	EDSIL NESTOR ET AL	TM 14 PAR. 38.5
EE	CHURCH LOT	
FF	JOEY HOLT	TM 19 PAR. 36
GG	EDSIL NESTOR	TM 14 PAR. 38
HH	OLD DUTCH CHURCH	TM 19 PAR. 37
II	OLD DUTCH CEMETERY	TM 19 PAR. 39

LONGITUDE 80°29'6.7"

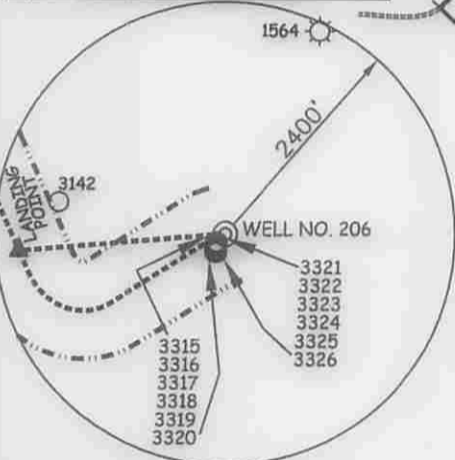
NORTH



LATERAL ROYALTY OWNERS		
1	MELVIN & RENEE HOWDERSHELT	158.94 AC.±
	EDISON J. SHAW ET UX	
	ROBERT SHAW ET UX	
2	CHARLES RUSH JR. ET UX	187.58 AC.±
	PORTER SHAHAN ET UX	
	ANNA L. VANSOY	
3	IRA HOVATTER ET AL	272.39 AC.±
	STATE OF WEST VIRGINIA (TURNPIKE)	

NOTES ON SURVEY

- NO WATER WELLS OR DEVELOPED SPRINGS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS.
- NO 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.
- TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD' 27.



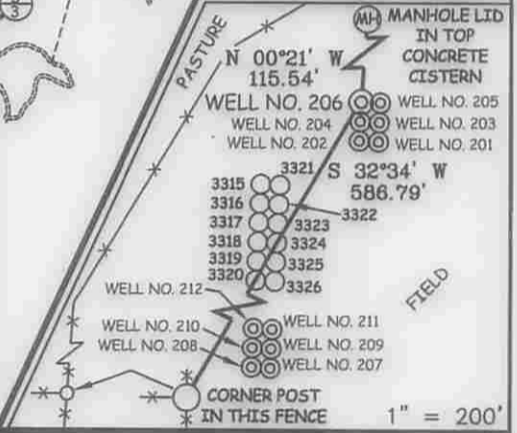
HOWDERSHELT LEASE
WELL NO. 206
 (NAD'83 UTM (METERS) ZONE 17 NORTH)

TOP HOLE
 N. 4,339,313 E. 597,155

LANDING POINT
 N. 4,339,180 E. 596,534

BOTTOM HOLE
 N. 4,340,558 E. 595,885

REFERENCES



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

SLS SURVEYORS
 ENGINEERS
 ENVIRONMENTAL
 PROJECT MGMT.

(304) 462-5634 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. *C. Victor Moyers*
 849

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

DATE JULY 14, 20 14

REVISED _____, 20 _____

OPERATORS WELL NO. 206

API WELL NO. 47-001-63320 **MOD**

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7962P206R5

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 LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,560'(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 7,970'(PILOT) / TVD 7,845'(LATERAL) / TMD 14,292'

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

12/12/14

COUNTY NAME PERMIT