

LEGEND

LEASE LINE	---
SURFACE LINE	- - - -
WELL LATERAL	· · · · ·
OFFSET LINE	· · · · ·
WELL TIE	---
CREEK	~~~~~
ROAD	=====
FENCE LINE	---x---
COUNTY ROUTE	---x---
STATE ROUTE	---x---
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 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	THOMAS W. OWENS	TM 18 PAR. 10
J	THOMAS W. OWENS	TM 18 PAR. 9
K	MARK AND ELOISE HOLLEN	TM 18 PAR. 30
L	ELBERT McLEAN ET UX	TM 18 PAR. 39
M	PAUL AND JOHN ADAMS	TM 18 PAR. 31
N	LORETHA M. ANNON LEGACY TRUST ET AL	TM 19 PAR. 51
O	JAMES B. ANCELL	TM 26 PAR. 1
P	RONALD ALVIL	TM 19 PAR. 50
Q	BETTY L. KELLEY ET AL	TM 19 PAR. 47
R	ERIC V. HOWDERSHELT	TM 19 PAR. 41.4
S	MELVIN AND RENEE HOWDERSHELT	TM 19 PAR. 41.1
T	ELWOOD AND PENNY CANFIELD	TM 19 PAR. 41.5
U	ELWOOD CANFIELD	TM 19 PAR. 41.2
V	ERIC AND LISA EVIX	TM 19 PAR. 41.3
W	IRA G. AND CAROL HOVATTER	TM 19 PAR. 43
X	NEW HOPE VALLEY U.M. CHURCH	TM 19 PAR. 38.1
Y	NEW HOPE VALLEY CHURCH	TM 19 PAR. 42
Z	IRA G. AND CAROL HOVATTER	TM 19 PAR. 38
AA	MELVIN AND RENEE HOWDERSHELT	TM 19 PAR. 40.1
BB	ELIZABETH BOLYARD ET AL	TM 14 PAR. 38.4
CC	ELIZABETH BOLYARD ET AL	TM 14 PAR. 38.1
DD	JOHN T. FITZWATER	TM 14 PAR. 38.2
EE	JOHN T. FITZWATER	TM 14 PAR. 38.3
FF	EDSIL NESTOR ET AL	TM 14 PAR. 38.5
GG	CHURCH LOT	
HH	JOEY HOLT	TM 19 PAR. 36
II	EDSIL NESTOR	TM 14 PAR. 38
JJ	OLD DUTCH CHURCH	TM 19 PAR. 37
KK	OLD DUTCH CEMETERY	TM 19 PAR. 39

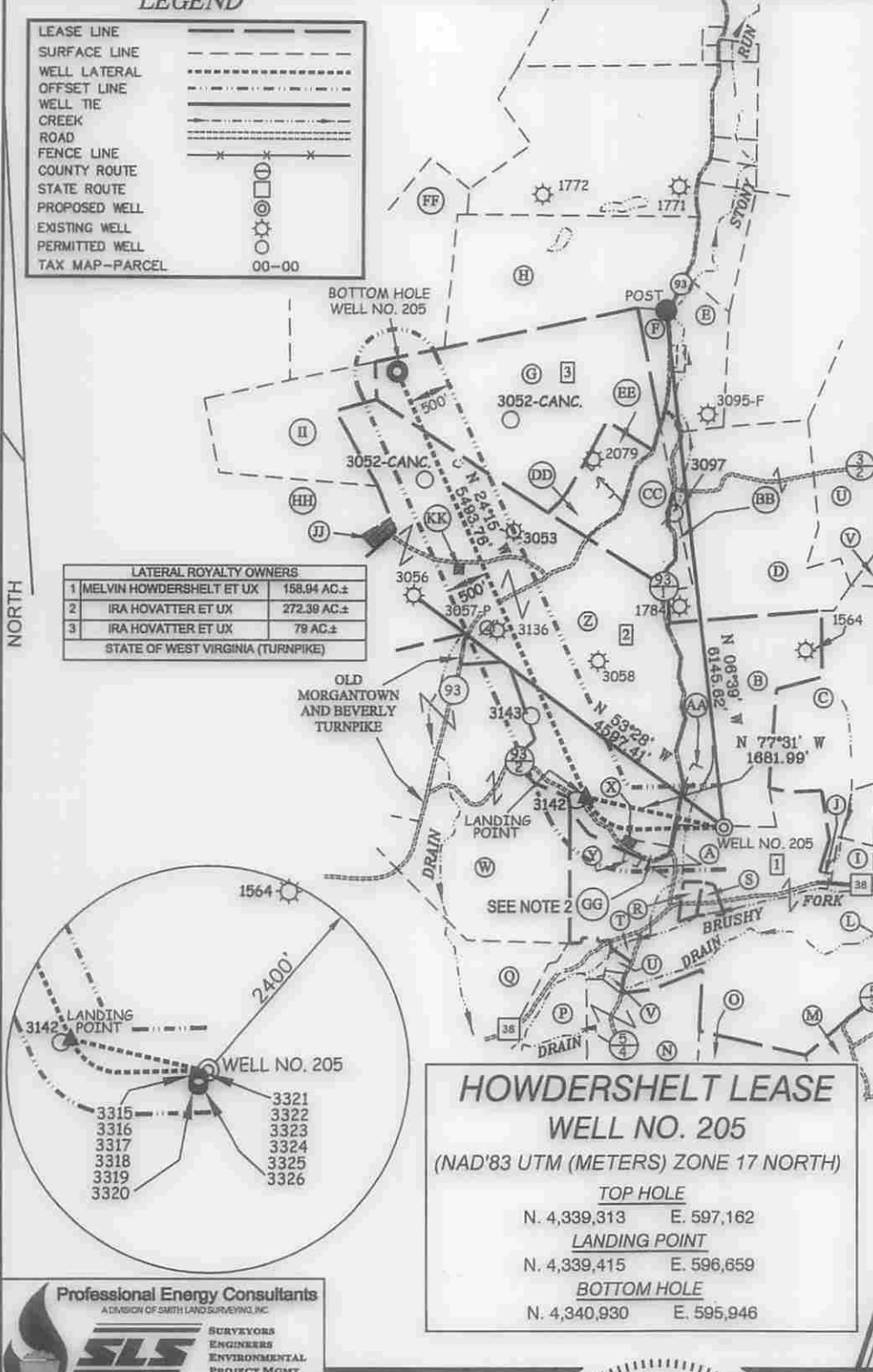
LONGITUDE 79°52'30"

LATERAL ROYALTY OWNERS

1	MELVIN HOWDERSHELT ET UX	158.94 AC.±
2	IRA HOVATTER ET UX	272.39 AC.±
3	IRA HOVATTER ET UX	78 AC.±

STATE OF WEST VIRGINIA (TURNPIKE)

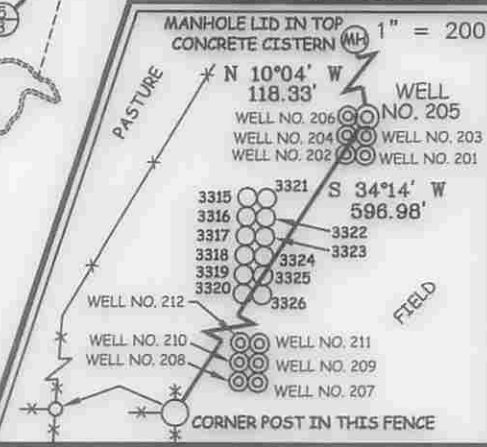
NORTH



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.
- TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD' 27.

REFERENCES



**HOWDERSHELT LEASE
WELL NO. 205**

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

TOP HOLE

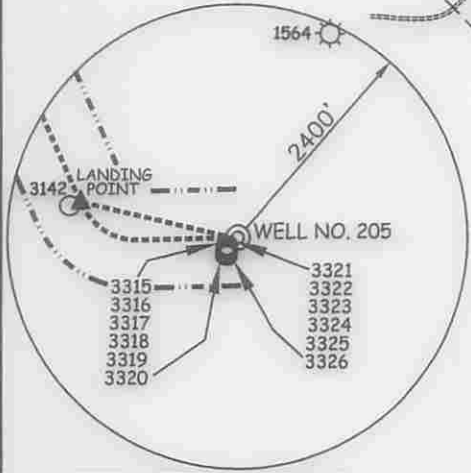
N. 4,339,313 E. 597,162

LANDING POINT

N. 4,339,415 E. 596,659

BOTTOM HOLE

N. 4,340,930 E. 595,946



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

SLS
SURVEYORS
ENGINEERS
ENVIRONMENTAL
PROJECT MGMT.

(304) 452-9524 WWW.SLSURVEYS.COM



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

DATE JULY 14, 20 14

REVISED _____, 20 _____

OPERATORS WELL NO. 205

API WELL NO. 47-001-03319 MOD

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. 7962P205R5

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 "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,562'(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 14,378'

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

02/13/2015

COUNTY NAME PERMIT