FORM WW 6

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.

LATITUDE 39°12'30"

26'

3,949'

LONGITUDE 79°52'30"

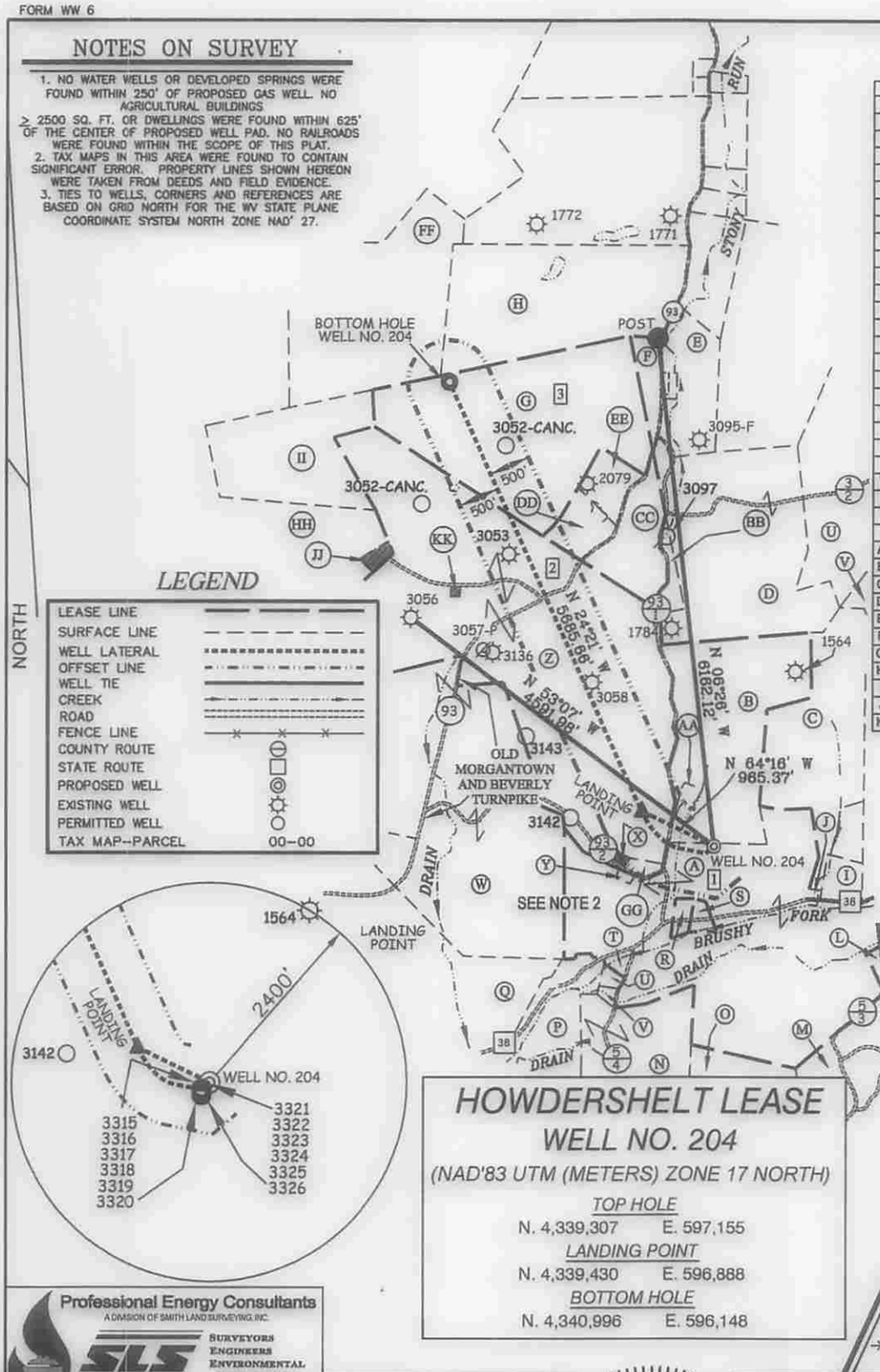
SURFACE OWNERS		
A	MELVIN & RENEE HOWDERSHELT	TM 19 PAR. 41
B	MELVIN & RENEE HOWDERSHELT	TM 19 PAR. 40
C	GLEN MOORE ET UX	TM 18 PAR. 8
D	TOMMY & DOTTIE FREEMAN	TM 19 PAR. 39.1
E	ELIZABETH BOLYARD ET AL	TM 14 PAR. 53
F	ROBERT & BERNICE PITZER	TM 14 PAR. 37
G	IRA G. HOVATTER ET UX	TM 14 PAR. 36
H	A.C. 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 AUVIL	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. 36.1
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. 36.4
CC	ELIZABETH BOLYARD ET AL	TM 14 PAR. 36.1
DD	JOHN T. FITZWATER	TM 14 PAR. 36.2
EE	JOHN T. FITZWATER	TM 14 PAR. 36.3
FF	EDSIL NESTOR ET AL	TM 14 PAR. 36.5
GG	CHURCH LOT	
HH	JOEY HOLT	TM 19 PAR. 38
II	EDSIL NESTOR	TM 14 PAR. 38
JJ	OLD DUTCH CHURCH	TM 19 PAR. 37
KK	OLD DUTCH CEMETERY	TM 19 PAR. 39

LATERAL ROYALTY OWNERS		
1	MELVIN HOWDERSHELT ET UX	158.94 AC.±
2	IRA HOVATTER ET UX	272.39 AC.±
3	IRA HOVATTER ET UX	79 AC.±
STATE OF WEST VIRGINIA (TURNPIKE)		

NORTH

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



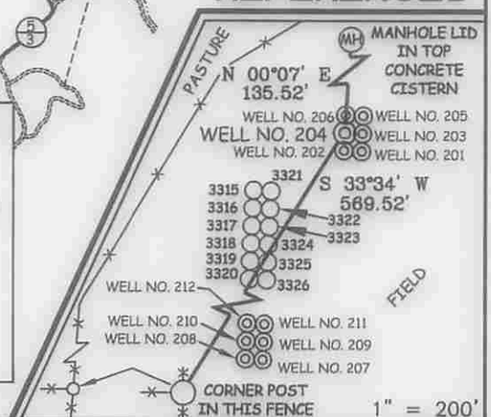
HOWDERSHELT LEASE
WELL NO. 204
(NAD'83 UTM (METERS) ZONE 17 NORTH)

TOP HOLE
N. 4,339,307 E. 597,155

LANDING POINT
N. 4,339,430 E. 596,888

BOTTOM HOLE
N. 4,340,996 E. 596,148

REFERENCES



Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING, INC.
SLS SURVEYORS ENGINEERS ENVIRONMENTAL PROJECT MGMT.
(304) 462-5634 WWW.SLSSURVEYS.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

C. VICTOR MOYERS LICENSED No. 849 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE JULY 14 , 20 14

REVISED , 20

OPERATORS WELL NO. 204

API WELL NO. 47 — 001 — 03318 MOD
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7962P204R5

SCALE 1" = 2000'

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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 & RENEE HOWDERSHELT ACREAGE 158.94±

ROYALTY OWNER MELVIN & RENEE HOWDERSHELT ACREAGE 158.94±

PROPOSED WORK : LEASE NO. 00000672

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 14,056'

COUNTY NAME PERMIT

WELL OPERATOR MOUNTAINEER KEYSTONE LLC
ADDRESS 1111 VAN VOORHIS ROAD, SUITE G
MORGANTOWN, WV 26505

DESIGNATED AGENT NATHAN SKEEN
ADDRESS 1111 VAN VOORHIS ROAD, SUITE G
MORGANTOWN, WV 26505

12/12/14

SLS 124888