

| LATERAL ROYALTY OWNERS            |                            |            |
|-----------------------------------|----------------------------|------------|
| 1                                 | MELVIN & RENEE HOWDERSHELT | 158.94 AC± |
| 2                                 | MELVIN & RENEE HOWDERSHELT | 71.78 AC±  |
| 3                                 | TOMMY & DOTTIE FREEMAN     | 92 AC±     |
| 4                                 | GLEN MOORE ET UX           | 82.50 AC±  |
| 5                                 | ELIZABETH BOLYARD ET AL    | 28.40 AC±  |
| 6                                 | DAVID AND MARY TINCHER     |            |
| 7                                 | IRA G. AND CAROL HOVATTER  | 79 AC±     |
| 8                                 | ADAM ROHRIG JR. ET UX      | 83 AC±     |
| 9                                 | JEAN KINES                 | 103 AC±    |
| 10                                | ROBERT AND BERNICE PITZER  | 7.27 AC±   |
| STATE OF WEST VIRGINIA (TURNPIKE) |                            |            |

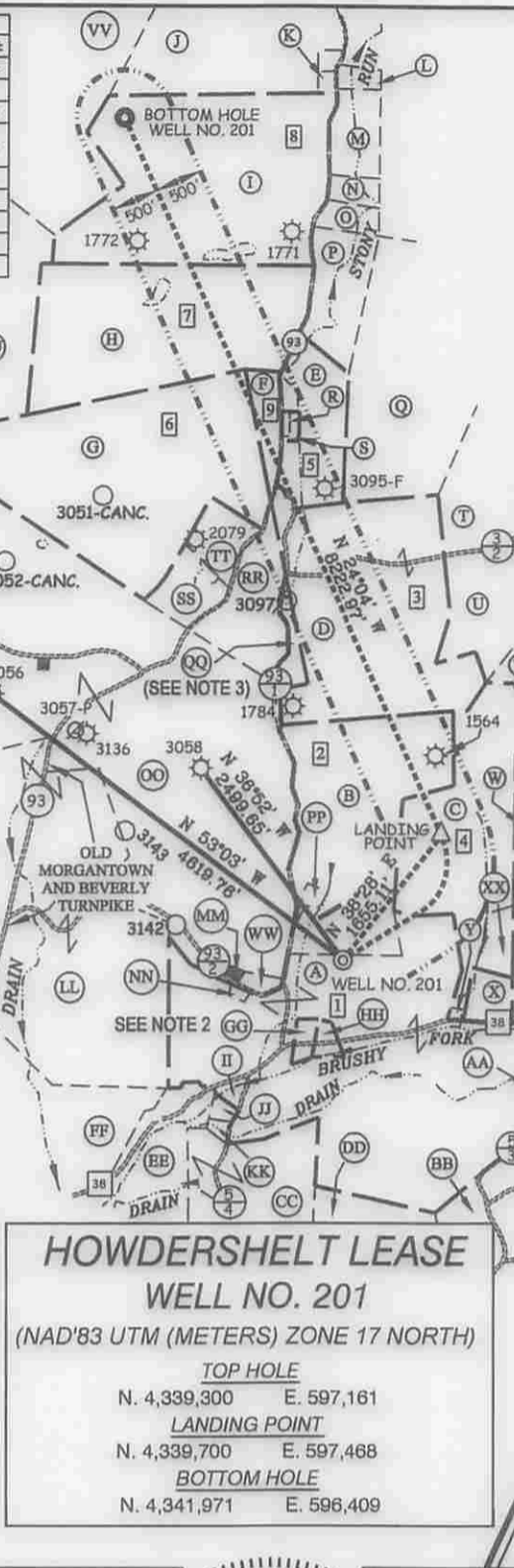
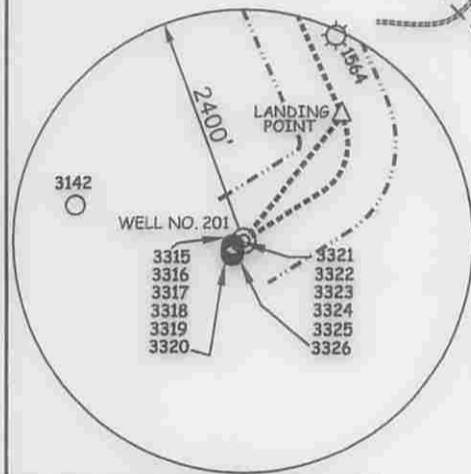
**NOTES ON SURVEY**

- NO WATER WELLS OR DEVELOPED SPRINGS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 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 QQ.
- TIES TO WELLS, CORNERS AND REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD' 27.
- PARCEL 13 ON TAX MAP 15 IS ACTUALLY LOCATED ON TAX MAP 18 NORTH OF PARCEL 10.

**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 |

NORTH



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              | 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 KNotts                       | 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. 63.1 |
| 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              | DORSEY POLING ET AL                   | TM 18 PAR. 7    |
| X              | THOMAS W. OWENS                       | TM 18 PAR. 10   |
| Y              | THOMAS W. OWENS                       | TM 18 PAR. 9    |
| Z              | MARK AND ELOISE HOLLEN                | TM 18 PAR. 30   |
| AA             | ELBERT McLEAN ET UX                   | TM 18 PAR. 39   |
| BB             | PAUL AND JOHN ADAMS                   | TM 18 PAR. 31   |
| CC             | LORETHA M. ANNON LEGACY TRUST ET AL   | TM 19 PAR. 51   |
| DD             | JAMES B. ANCELL                       | TM 28 PAR. 1    |
| EE             | RONALD ALVIL                          | TM 19 PAR. 60   |
| FF             | BETTY L. KELLEY ET AL                 | TM 19 PAR. 47   |
| GG             | ERIC V. HOWDERSHELT                   | TM 19 PAR. 41.4 |
| HH             | MELVIN AND RENEE HOWDERSHELT          | TM 19 PAR. 41.1 |
| II             | ELWOOD AND PENNY CANFIELD             | TM 19 PAR. 41.5 |
| JJ             | ELWOOD CANFIELD                       | TM 19 PAR. 41.2 |
| KK             | ERIC AND LISA EVIX                    | TM 19 PAR. 41.3 |
| LL             | IRA G. AND CAROL HOVATTER             | TM 19 PAR. 43   |
| MM             | NEW HOPE VALLEY U.M. CHURCH           | TM 19 PAR. 38.1 |
| NN             | NEW HOPE VALLEY CHURCH                | TM 19 PAR. 42   |
| OO             | IRA G. AND CAROL HOVATTER             | TM 19 PAR. 38   |
| PP             | MELVIN AND RENEE HOWDERSHELT          | TM 19 PAR. 40.1 |
| QQ             | ELIZABETH BOLYARD ET AL               | TM 14 PAR. 36.4 |
| RR             | ELIZABETH BOLYARD ET AL               | TM 14 PAR. 36.1 |
| SS             | JOHN T. FITZWATER                     | TM 14 PAR. 36.2 |
| TT             | JOHN T. FITZWATER                     | TM 14 PAR. 36.3 |
| UU             | EDSIL NESTOR ET AL                    | TM 14 PAR. 36.5 |
| VV             | EDSIL NESTOR ET AL                    | TM 14 PAR. 32   |
| WW             | CHURCH LOT                            |                 |
| XX             | GLEN MOORE ET UX                      | TM 15 PAR. 13   |

LONGITUDE 79°52'30"

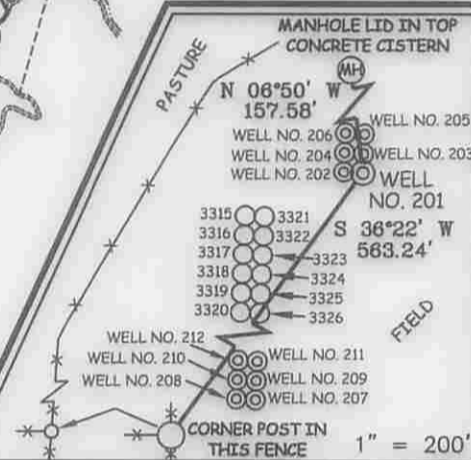
**HOWDERSHELT LEASE**

**WELL NO. 201**

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

|                      |            |
|----------------------|------------|
| <b>TOP HOLE</b>      |            |
| N. 4,339,300         | E. 597,161 |
| <b>LANDING POINT</b> |            |
| N. 4,339,700         | E. 597,468 |
| <b>BOTTOM HOLE</b>   |            |
| N. 4,341,971         | E. 596,409 |

**REFERENCES**



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

SURVEYORS  
ENGINEERS  
ENVIRONMENTAL  
PROJECT MGMT.

0514 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. 849 *C. Victor Moyers*



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

DATE JULY 14, 20 14

REVISED \_\_\_\_\_, 20 \_\_\_\_\_

OPERATORS WELL NO. 201

API WELL NO. 47-001 **MOD 03315**

STATE MD COUNTY 03315 PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 7962P201R6

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 1,578(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±

PROPOSED WORK: LEASE NO. 00000672

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 17,178'

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