

Latitude: 40°20'00"

SURFACE HOLE 10,527'

Latitude: 40°22'30" BOTTOM HOLE

3,592'

JACKSON SURVEYING INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

Table with columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT. Contains data for lines L1 through L5.

Table with columns: LOCATION TYPE, UTM (NAD83, ZONE 17, METERS), NORTHING, EASTING. Lists coordinates for SHL, LPL, AZL1-4, and BHL.

GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

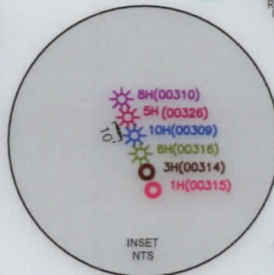
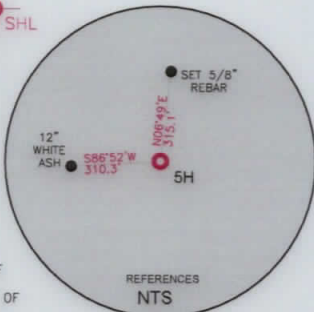
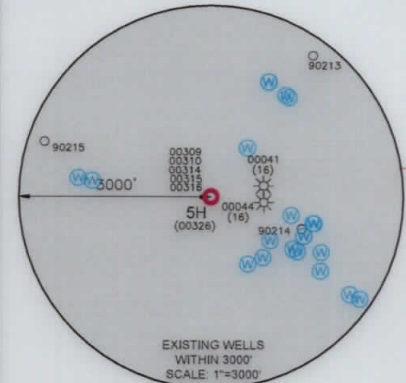


Table with columns: LOCATION TYPE, UTM (NAD83, ZONE 17, METERS), NORTHING, EASTING. Lists coordinates for SHL, LPL, AZL1-4, and BHL.



WELL RESTRICTIONS

- List of 6 well restrictions regarding distances to buildings, streams, and public water supply.

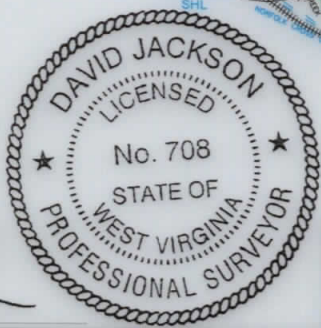
NOTES ON SURVEY

- List of 4 survey notes regarding boundaries, parcel maps, and inlets.

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

Signature of David L Jackson



COMPANY: SWN Production Company, LLC

State of West Virginia logo and address: WVDEP, OFFICE OF OIL & GAS, 601 57TH STREET, CHARLESTON, WV 25034

WELL INFORMATION: MINIMUM DEGREE OF ACCURACY: 1/200, PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

STATE OF WV DNR C BRK, OPERATOR'S WELL #: 5H, API WELL #: 47 009 00326

WELL TYPE: OIL, WASTE DISPOSAL, PRODUCTION, DEEP, GAS, LIQUID INJECTION, STORAGE, SHALLOW. WATERSHED: NORTH FORK CROSS CREEK - CROSS CREEK (HUC-10). DISTRICT: CROSS CREEK, COUNTY: BROOKE. SURFACE OWNER: NATURAL RESOURCES, PUBLIC LAND CORPORATION. OIL & GAS ROYALTY OWNER: NATURAL RESOURCES, PUBLIC LAND CORPORATION. DRILL, DRILL DEEPER, REDRILL, FRACTURE OR STIMULATE, PLUG OFF OLD FORMATION, PERFORATE NEW FORMATION. CONVERT, PLUG & ABANDON, CLEAN OUT & REPLUG, OTHER CHANGE (SPECIFY) ASDRILLED. TARGET FORMATION: MARCELLUS. ESTIMATED DEPTH: 5,612 TVD 23,093 TMD.

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC. ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200, CITY: MORGANTOWN, STATE: WV, ZIP CODE: 26508. DESIGNATED AGENT: BRITTANY WOODY. ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200, CITY: MORGANTOWN, STATE: WV, ZIP CODE: 26508.

LEGEND: PROPOSED SURFACE HOLE / BOTTOM HOLE, EXISTING / PRODUCING WELLHEAD, LPL: LANDING POINT LOCATION, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, ASDRILLED PATH, PROPOSED PATH, AZL: AZMUTH POINT LOCATION. REVISIONS: DATE: 07-09-2021. DRAWN BY: N. MANO, SCALE: 1" = 3000', DRAWING NO., WELL LOCATION PLAT.

JACKSON SURVEYING

INC.

2413 EAST PIKE ST. # 112

Clarksburg, WV 26302

304-623-5851



09/10/2021



| | | | |
|------------|----------------------------------|----------------|----------------------|
| REVISIONS: | COMPANY: | | |
| | | | |
| | OPERATOR'S STATE OF WV DNR C BRK | API #: | DATE: 07-09-2021 |
| | WELL #: 5H | 047-009-00326 | DRAWN BY: N. MANO |
| | DISTRICT: CROSS CREEK | COUNTY: BROOKE | SCALE: N/A |
| | | STATE: WV | DRAWING NO: |
| | | | WELL LOCATION PLAT 2 |

JACKSON SURVEYING
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 Clarksburg, WV 26302
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WELL BORE TRACTS

| TRACT | SURFACE OWNER (S) / ROYALTY OWNER (R) | TAX PARCEL |
|-------------------|--|-------------|
| 1 | STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S/R) | 4-CC20-06 |
| SURFACE OWNER (S) | | |
| 2 | EDWARD L. CARTER & DEBORAH C. CARTER (S) | 4-CC20-18 |
| 3 | EDWARD L. CARTER & DEBORAH C. CARTER (S) | 4-CC20-17 |
| 4 | ERIC T. GALIANO (S) | 4-CC20-16 |
| 5 | ERIC T. GALIANO (S) | 4-CC20-14 |
| 6 | ERIC T. GALIANO (S) | 4-CC20-15 |
| 7 | LINDY L. GALIANO & SANTY GALIANO (S) | 4-CC20-19.1 |
| 8 | WILLIAM MORGAN ROUSE & DORIS J. ROUSE (S) | 4-CC20-20 |
| 9 | COLLIER'S SPORTSMAN CLUB (S) | 4-CC20-21 |
| 10 | SUSAN D. BREEN & DENNIS M. BREEN (S) | 4-CC20-22 |
| 11 | SUSAN D. BREEN & DENNIS BREEN (S) | 4-CC20-23.1 |
| 12 | SUSAN BREEN & KELLY HANNAOUI, TRUSTEES OF THE WILLIAM C. SAUNDERS 2019 IRREVOCABLE TRUST DATED NOVEMBER 21, 2019 (S) | 4-CC20-23 |
| 13 | COLLIER'S SPORTSMAN CLUB (S) | 4-CC20-24 |
| 14 | STACI BREEN & PATRICIA BREEN (S) | 4-CC20-03 |
| 15 | SUSAN BREEN & KELLY HANNAOUI, TRUSTEES OF THE WILLIAM C. SAUNDERS 2019 IRREVOCABLE TRUST DATED NOVEMBER 21, 2019 (S) | 4-CC20-02 |
| 16 | STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S) | 4-CC16-06 |
| 17 | PETER D. BLASKOVICH & RUTH M. BLASKOVICH (S) | 4-CC15-71 |
| 18 | LENORA J. RINEHART (S) | 4-CC15-74 |
| 19 | RONALD A. REED (S) | 4-CC15-68.3 |
| 20 | LARRY E. REED (S) | 4-CC15-68.1 |
| 21 | ROSE VAN HEMERT (S) | 4-C15H-12 |
| 22 | GORDON KIGER (S) | 4-C15H-13 |
| 23 | FRANK PAESANO & CYNTHIA PASEANO (S) | 4-C15H-14 |
| 24 | MIKE E. BAILEY & MARY E. BLAKE (S) | 4-C15H-15 |
| 25 | DALE W. GAYNOR JR. (S) | 4-C15H-16 |
| 26 | VAL JEAN DELONG, TRUSTEE OF THE DELONG FAMILY KEYSTONE TRUST DATED DECEMBER 30, 2016 (S) | 4-C15D-40 |
| 27 | WILLIAM C. BLACK (S) | 4-C15D-39 |
| 28 | GLENN THOMPSON (S) | 4-C15D-36 |
| 29 | BURL DELEF WARRICK & JAMES KENNETH WARRICK (S) | 4-C15D-35 |
| 30 | JOSHUA A. ROBERTS (S) | 4-C15D-34 |
| 31 | DESIRRAE W. WELLS, ET AL (LE-LAURA RIGGS) (S) | 4-C15D-04 |
| 32 | DESIRRAE W. WELLS, ET AL (LE-HOBERT & LAURA RIGGS) (S) | 4-C15D-06 |
| 33 | MADLINE C. BROZSTEK (S) | 4-C15D-07 |
| 34 | MADLINE C. BROZSTEK (S) | 4-C15D-8.1 |
| 35 | CLIFFORD MILLER (S) | 4-C15D-08 |
| 36 | CLIFFORD LEE MILLER (S) | 4-C15D-10 |
| 37 | TROY A. LUCAS (S) | 4-C11S-23 |
| 38 | RAMON L. BOWEN, TRUSTEE OF THE RAMON L. BOWEN IRREVOCABLE TRUST DATED FEBRUARY 3, 2020 (S) | 4-CC11-91 |
| 39 | RAMON L. BOWEN & YVONNE BOWEN (S) | 4-CC11-90 |
| 40 | RAMON L. BOWEN & YVONNE BOWEN (S) | 4-CC11-89 |
| 41 | RAMON L. BOWEN & YVONNE BOWEN (S) | 4-CC11-88 |

09/10/2021

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|------------|------------|---|---------------|----------------------|
| REVISIONS: | COMPANY: |   | | |
| | OPERATOR'S | STATE OF WV DNR C BRK | API #: | DATE: 07-09-2021 |
| | WELL #: | 5H | 047-009-00326 | DRAWN BY: N. MANO |
| | DISTRICT: | CROSS CREEK | COUNTY: | SCALE: N/A |
| | | | STATE: | DRAWING NO: |
| | | | WV | WELL LOCATION PLAT 3 |



JACKSON SURVEYING
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| ADJOINING OWNERS TABLE | | |
|------------------------|--|-------------|
| TRACT | SURFACE OWNERS | TAX PARCEL |
| A | JOHN ERNEST MILLER & JESSE ANDREW MILLER | 4-CC20-04 |
| B | GRETCHEN MOORE LANGEVIN, TRUSTEE & WESTBANCO BANK, INC. | 4-CC20-05 |
| C | STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION | 4-CC19-168 |
| D | JASON P. NUZUM | 4-CC19-113 |
| E | JASON P. NUZUM | 4-CC15-70 |
| F | GARY LEE LOAR & SANDRA L. LOAR | 4-CC15-52 |
| G | RUTH M. BLASKOVICH | 4-CC15-69 |
| H | PETER D. BLAKOVICH & HELEN S. BLASKOVICH | 4-CC15-72 |
| I | RYAN POWELL, & KELLY POWELL | 4-CC15-73 |
| J | FRANK REED LARKEY | 4-CC15-68.2 |
| K | LARRY REED | 4-CC15-67 |
| L | LARRY REED | 4-C15H-09 |
| M | BETTY S. LANCASTER & LINDA K. LANCASTER | 4-C15H-11 |
| N | LARRY E. REED | 4-C15H-20 |
| O | CHARLIE I. DULANEY & ANGELA J. DULANEY | 4-C15H-08 |
| P | CHARLIE I. DULANEY & ANGELA J. DULANEY | 4-C15H-07 |
| Q | REVA AMANDA ALLMAN YOST | 4-C15H-06 |
| R | LARRY ALLEN HOOD | 4-C15H-03 |
| S | JOHN MESTER | 4-C15H-02 |
| T | LARRY D. PRATT & JOYCE E. PRATT | 4-C15H-01 |
| U | ROBERT L. DODSON III | 4-C15H-17 |
| V | HAROLD WAYNE BEATTY JR. & NATALIE ROSE BEATTY | 4-C15D-49 |
| W | GERALD L. ARACICH | 4-C15D-43 |
| X | JAMES A. RAHR & GERALDINE A. RAHR | 4-C15D-41 |
| Y | DONNA DELONG | 4-C15D-01 |
| Z | DONNA DELONG | 4-C15D-02 |
| A2 | JIM HEIDENREICH | 4-C15D-03 |
| B2 | THOMAS G. MOORE & KATHY J MOORE | 4-C15C-04 |
| C2 | GARY A. DENNIS & LORI ANN DENNIS | 4-C15C-05 |
| D2 | GARY E. DENNIS & LORI ANN DENNIS | 4-C15C-06 |
| E2 | TYRA CLARK | 4-C15D-05 |

| ADJOINING OWNERS TABLE | | |
|------------------------|---|---------------|
| TRACT | SURFACE OWNERS | TAX PARCEL |
| F2 | MICHAEL J. CLARK SR. & TYRA S. CLARK | 4-C15D-09 |
| G2 | MICHAEL J. CLARK SR. & TYRA S. CLARK | 4-C15D-50 |
| H2 | JAMES E. HEIDENREICH & DEBRA R. ARTHUR | 4-C15C-03 |
| I2 | RAMON MARSHALL BOWEN | 4-C15C-02 |
| J2 | CHARLES DAVID JOHNSON & SANDRA K. JOHNSON | 4-C15C-22 |
| K2 | CHAD A. RICCELLI | 4-C15C-22.1 |
| L2 | RAYMOND MARSHALL BOWEN | 4-C15C-01 |
| M2 | FRED WELSHANS JR. & CHRIS E. WELSHANS | 4-CC11-95 |
| N2 | DONALD E. SIPPEL & DOREEN E. SIPPEL | 4-CC11-94 |
| O2 | JACK KAROL BOWEN | 4-CC11-97 |
| P2 | DONALD E. SIPPEL & DOREEN E. SIPPEL | 4-CC11-93 |
| Q2 | DONALD G. CONAWAY | 4-CC11-92 |
| R2 | DWIGHT & MARY DICKEY | 4-C11L-14 |
| S2 | ST. JOHN'S CEMETERY CO. | 4-C11S-01 |
| T2 | WILLIAM A. HERCULES & VICKY L. HERCULES | 4-C11S-9.1 |
| U2 | WVMP LLC | 4-C11S-10 |
| V2 | ROGER BENNETT & LAURA BENNETT | 4-C11S-12 |
| W2 | ANDREA N. DOMICK | 4-C11S-13 |
| X2 | GERALD GOURLEY (L/E: GLORIA F KIGER) | 4-C11S-14 |
| Y2 | TRAVIS CORBIN | 4-C11S-15 |
| Z2 | STEVEN D. MORAN & BETHANY A. MORAN | 4-C11S-20 |
| A3 | WILLIAM H. MORAN JR. & JOSIE L. MORAN | 4-C11S-20.1 |
| B3 | KODY GREEN | 4-C11S-21 |
| C3 | VALERIE A. WELLS, ET AL (LE- LAURA RIGGS) | 4-C11S-22 |
| D3 | CHRISTOPHER E. SMITH | 4-C15D-20 |
| E3 | EMURI HOME AND GARDEN, LLC. (L/C: SHERRY TACKETT) | 4-C15D-21 |
| F3 | TROY A. LUCAS | 4-C15D-23 |
| G3 | CHARLES D. BEATTY JR. | 4-C15D-26 |
| H3 | SHAFFER FAMILY IRREVOCABLE INCOME ONLY TRUST | 4-C15D-27 |
| I3 | KEITH R. SHAFFER | p/o 4-C15D-27 |
| J3 | KEITH RICHARD SHAFFER & MARY JO SHAFFER | 4-C15D-29 |
| K3 | DOUGLAS SWAIN | 4-C15D-30.3 |
| L3 | WILLIAM THOMAS LAW & JANE LAW | 4-C15D-33 |

09/10/2021



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| | OPERATOR'S | STATE OF WV DNR C BRK | API #: | DATE: 07-09-2021 |
| | WELL #: | 5H | 047-009-00326 | DRAWN BY: N. MANO |
| | DISTRICT: | CROSS CREEK | COUNTY: | SCALE: N/A |
| | | | BROOKE | DRAWING NO: |
| | | | STATE: | WV |
| | | | | WELL LOCATION PLAT 4 |

JACKSON SURVEYING
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| ADJOINING OWNERS TABLE | | |
|------------------------|--|-------------|
| TRACT | SURFACE OWNERS | TAX PARCEL |
| M3 | VAUGHN R. DAVIS & MARY L. DAVIS | 4-C15D-32 |
| N3 | GLENN THOMPSON | 4-C15D-37 |
| O3 | LAURA J. STEUDEBAKER & STUART STEUDEBAKER | 4-C15D-30 |
| P3 | REED-GEHLING FAMILY TRUST DATED 10/17/08 | 4-CC16-32 |
| Q3 | THE DENNIS PALFALVY III IRREVOCABLE TRUST | 4-CC16-5 |
| R3 | STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION | 4-CC16-8.1 |
| S3 | STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION | 4-CC16-7.1 |
| T3 | DAVID C. DAMI | 4-CC20-1.1 |
| U3 | DAVID C. DAMI | 4-CC20-2.1 |
| V3 | FREDA M. DUNN - (LIFE) SAUNDRA L. DUNN & ROBERT W. DUNN | 4-CC20-01 |
| W3 | COLLIERS SPORTSMAN CLUB | 4-CC20-45 |
| X3 | STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION | 4-CC20-25.1 |
| Y3 | STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION | 4-CC20-25 |
| Z3 | DEBORAH K. SLIDAY | 4-CC20-32 |
| A4 | NICKOLES 3, LLC. | 4-CC20-33 |
| B4 | ROBERT CLINE & DELORIS CLINE | 4-CC20-34 |
| C4 | WILLIAM MARINO & MILDRED T. MARINO | 4-CC20-35 |
| D4 | MILDRED T. MARINO & WILLIAM MARINO | 4-CC20-36 |
| E4 | WAYNE L. HENDERSON & BETHANY A. HENDERSON | 4-CC20-37 |
| F4 | SANTY GALIANO & LINDY GALIANO | 4-CC20-38 |
| G4 | ERIC T. GALIANO | 4-CC20-13 |
| H4 | BARBARA A. SMITH | 4-CC20-12 |
| I4 | ERIC T. GALIANO | 4-CC20-19 |
| J4 | KEVIN MCCONNELL | 4-CC20-11 |
| K4 | BARBARA J. MCCONNELL | 4-CC20-10 |
| L4 | SUSAN K. PRONCHIK | 4-CC20-08 |
| M4 | STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION | 4-CC19-169 |
| N4 | STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION | 4-CC19-168 |
| O4 | LINDY L. BLACK | 4-CC20-07 |

09/10/2021

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| REVISIONS: | COMPANY: | |   | |
| | OPERATOR'S STATE OF WV DNR C BRK | | API #: | DATE: 07-09-2021 |
| | WELL #: 5H | | 047-009-00326 | DRAWN BY: N. MANO |
| | DISTRICT: | COUNTY: | STATE: | SCALE: N/A |
| | CROSS CREEK | BROOKE | WV | DRAWING NO: WELL LOCATION PLAT 5 |