

JACKSON SURVEYING

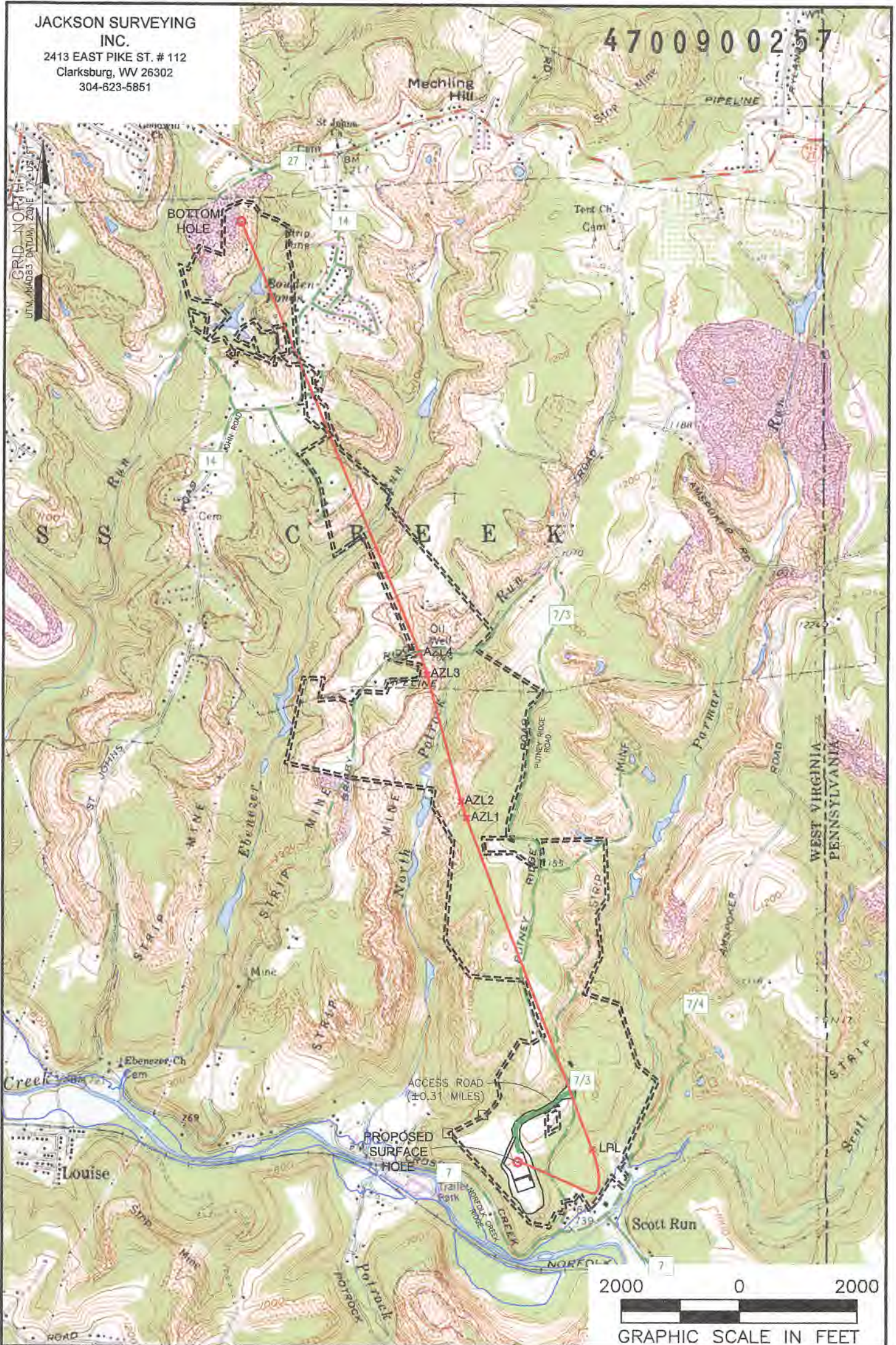
INC.

2413 EAST PIKE ST. # 112

Clarksburg, WV 26302

304-623-5851

4700900257



NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL X LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- AZL X AZMUTH POINT LOCATION

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC

ADDRESS:
1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508

SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION

WELL (FARM) NAME:
STATE OF WV DNR C BRK

COUNTY - CODE
BROOKE - 009

USGS 7 1/2 QUADRANGLE MAP NAME
STUEBENVILLE EAST, WV

WELL # 5H **SERIAL #**

DISTRICT:
CROSS CREEK

API #:
047-009-00257

Latitude: 40°20'00"

SURFACE HOLE 10527

Latitude: 40°22'30" BOTTOM HOLE

3574'

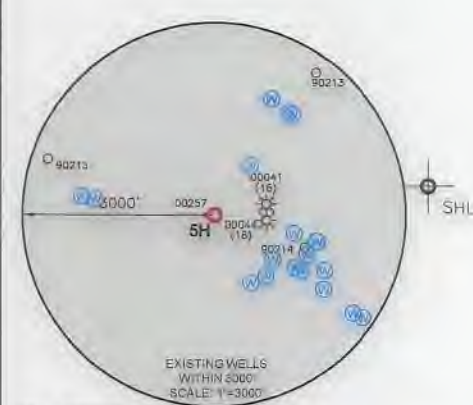
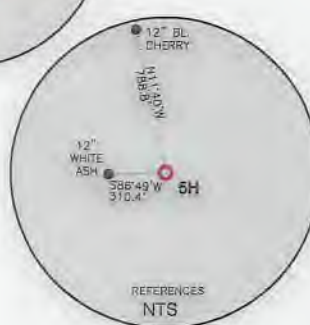
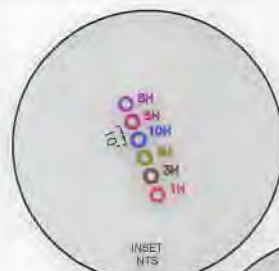
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304-623-5851

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

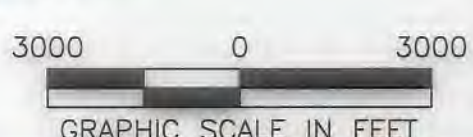
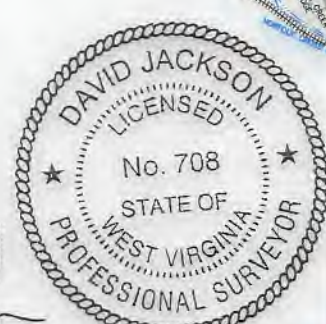
Table listing coordinates for SURFACE HOLE LOCATION (SHL), LANDING POINT LOCATION (LPL), and four AZIMUTH POINT LOCATIONS (AZL1-AZL4).

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



- WELL RESTRICTIONS
1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

- NOTES ON SURVEY
1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.



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.
David L Jackson

Table with well information: COMPANY (SWN Production Company, LLC), STATE OF WV DNR C BRK, OPERATOR'S WELL # (5H), API WELL # (47 STATE, 009 COUNTY, 00257 PERMIT).

Table with well type and location details: WELL TYPE (OIL, WASTE DISPOSAL, PRODUCTION, DEEP, GAS, LIQUID INJECTION, STORAGE, SHALLOW), WATERSHED (NORTH FORK CROSS CREEK - CROSS CREEK), DISTRICT (CROSS CREEK), COUNTY (BROOKE), SURFACE OWNER (STATE OF WEST VIRGINIA), OIL & GAS ROYALTY OWNER (STATE OF WEST VIRGINIA), DRILL (FRAC), DRILL DEEPER, REDRILL, FRACTURE OR STIMULATE, PLUG OFF OLD FORMATION, PERFORATE NEW FORMATION, CONVERT, PLUG & ABANDON, CLEAN OUT & REPLUG, OTHER CHANGE, TARGET FORMATION (MARCELLUS), ESTIMATED DEPTH (5,632 TVD, 23,134 TMD).

Table with well operator and designated agent information: 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).

Table with legend and revisions: LEGEND (PROPOSED SURFACE HOLE, EXISTING / PRODUCING WELLHEAD, LPL, EXISTING WATER WELL, EXISTING SPRING, SURVEYED BOUNDARY, DRILLING UNIT, LEASE BOUNDARY, PROPOSED PATH, AZL), REVISIONS, DATE (05-07-2020), 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



47-009-00257 MAD

REVISIONS:	COMPANY:		 	
	OPERATOR'S STATE OF WV DNR C BRK		API #:	DATE: 05-07-2020
	WELL #: 5H		047-009-00257	DRAWN BY: N. MANO
	DISTRICT: CROSS CREEK	COUNTY: BROOKE	STATE: WV	SCALE: N/A
				DRAWING NO: WELL LOCATION PLAT 2



JACKSON SURVEYING
INC.

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

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 DELEE 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	MADELINE C. BROZSTEK (S)	4-C15D-07
34	MADELINE 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

47-009-00257 MOD

REVISIONS:	COMPANY:		
			
	OPERATOR'S STATE OF WV DNR C BRK	API #:	DATE: 05-07-2020
	WELL #:	047-009-00257	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	SCALE: N/A
	CROSS CREEK	BROOKE	DRAWING NO:
		STATE:	WELL LOCATION PLAT 3
		WV	



**JACKSON SURVEYING
INC.**

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

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



47-009-00257 Mod

REVISIONS:	COMPANY:		 	
	OPERATOR'S STATE OF WV DNR C BRK		API #:	DATE: 05-07-2020
	WELL #:		047-009-00257	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	CROSS CREEK	BROOKE	WV	DRAWING NO: WELL LOCATION PLAT 4

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

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

47-009-00257 MOD

REVISIONS:	COMPANY:		
			
	OPERATOR'S	STATE OF WV DNR C BRK	API #:
	WELL #:	5H	047-009-00257
	DISTRICT:	CROSS CREEK	COUNTY:
		STATE:	WV
		DATE:	05-07-2020
		DRAWN BY:	N. MANO
		SCALE:	N/A
		DRAWING NO:	
		WELL LOCATION	PLAT 5