

Latitude: 39°32'30"

SURFACE HOLE 5037'

BOTTOM HOLE 10712'

Latitude: 39°30'00"

JACKSON SURVEYING INC.

P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

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

DAVID C. FRIEND &
RACHEL M. FRIEND
05-19-33.2
47.0

R. & J. FARM LLC.
05-19-29
76.8317

SHUMAN INC. & JAMES L.
LAURITA FAMILY LIMITED
PARTNERSHIP
05-18-17
282.54

DONALD W. TEETS &
MARY M. TEETS
05-23-57
84.80

WILLIAM SWEITER,
ET AL
05-24-06
86.50

Table with 4 rows: SURFACE HOLE LOCATION (SHL), TURNING POINT LOCATION (LPL), LANDING POINT (LPL), BOTTOM HOLE LOCATION (BHL). Each row lists UTM coordinates (Northings and Eastings).

WELL RESTRICTIONS

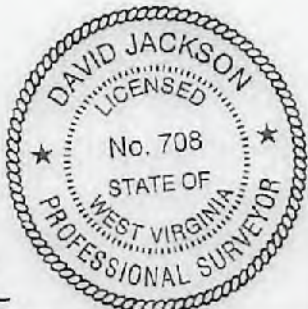
- 1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 1000 FEET OF THE 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.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.
4. 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

David L Jackson



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

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

COMPANY: SWN Production Company, LLC

RELiance MINERALS INC MON
OPERATOR'S WELL #: 6H
API WELL #: 47 061 01786 HGA
STATE COUNTY PERMIT

WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [x] DEEP [] GAS [x] LIQUID INJECTION [] STORAGE [] SHALLOW [x]
WATERSHED: MAYS RUN OF BOOTH'S CREEK OF UPPER MONONGAHELA RIVER (HUC-10) ELEVATION: 1328.5'
DISTRICT: CLINTON COUNTY: MONONGALIA QUADRANGLE: MORGANTOWN SOUTH, WV
SURFACE OWNER: RELIANCE MINERALS, INC. ACREAGE: ±43.50
OIL & GAS ROYALTY OWNER: RELIANCE MINERALS, INC. ACREAGE: ±43.50
DRILL [x] DRILL DEEPER [] REDRILL [] FRACTURE OR STIMULATE [x] PLUG OFF OLD FORMATION [] PERFORATE NEW FORMATION [x]
CONVERT [] PLUG & ABANDON [] CLEAN OUT & REPLUG [] OTHER CHANGE [] (SPECIFY)
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,392 TVD 19,904 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

Table with 2 columns: LEGEND (Proposed Surface Hole, Existing Wellhead, LPL, Existing Water Well, Existing Spring) and REVISIONS/DATE.

**JACKSON SURVEYING
INC.**



P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 89°36'42" W	1089.88'	SHL TO LANDMARK	1" PIPE FD.
L2	S 00°16'28" W	1228.63'	SHL TO LANDMARK	1" PIPE FD.
L3	S 79°50'25" E	986.67'	SHL TO TPL	TPL
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L4	S 25°43'14" E	588.09'	605.97'	TPL TO LP

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	RELIANCE MINERALS, INC. (S)/(R)	05-19-51	43.50
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	RELIANCE MINERALS, INC. (S)	05-19-52.1	12.73
3	JAMES L. LAURITA FAMILY LIMITED PARTNERSHIP (S)	05-19-52	12.72
4	RELIANCE MINERALS, INC. (S)	05-19-46.1	739.984
5	RELIANCE MINERALS, INC. (S)	05-19-53	70.10
6	RELIANCE MINERALS, INC. (S)	05-23-69	98.33
7	RELIANCE MINERALS, INC. (S)	05-23-73	198.57
8	WILLIAM SWEITZER, MARIE GEMAS REPPERT, MARVIN GEMAS, ROBERT GEMAS, & RICHARD GEMAS A/K/A PAUL R. GEMAS (S)	05-23-74	50.00
9	WILLIAM SWEITZER, MARIE GEMAS REPPERT, MARVIN GEMAS, ROBERT GEMAS, & RICHARD GEMAS A/K/A PAUL R. GEMAS (S)	05-24-7	104.50

ADJOINING OWNERS TABLE				W	R & J FARM, LLC	05-19-26	35.1821
TRACT	SURFACE OWNER	TAX PARCEL	ACRES	X	ROBERTA J. SMITH	05-19-33.9	29.038
A	MARCUS R. HAMDEN	05-19-51.1	4.00	Y	ELIAS HISHMEH	05-19-45	29.59
B	JAMES L. LAURITA FAMILY LIMITED PARTNERSHIP	05-19-52.2	25.35	Z	SORA, LLC	05-19-44	26.25
C	JOSEPH N. SOOS, JR & ADAM SOOS	05-19-48	33.37	AA	SORA, LLC	05-12-76	57.96
D	JUNIOR LESLIE KEATON & GOLDIE KEATON	05-19-49	49.418	BB	SWANSON INDUSTRIES, INC.	05-19-46.4	0.52
E	JULIE SMITH	05-19-58	10.06	CC	SWANSON INDUSTRIES, INC.	05-19-46.3	0.4227
F	CLIFFARD A. DALTON (LIFE DORA CATHERINE BEALL)	05-18-17.1	33.75	DD	SWANSON INDUSTRIES, INC.	05-19-46	3.003
G	JOSEPH MICHAEL CLOSE	05-23-71	26.25	EE	SWANSON INDUSTRIES, INC.	05-19-46.5	0.226
H	EDWARD SAMUEL HOSE & DEBRA KAY HOSE	05-23-70	6.90	FF	LINDA YODER	05-12-53	82.77
I	WANDA A. HARTLEY	05-23-72	1.00	GG	LINDA YODER	05-12-53.2	3.00
J	ELIZABETH ELSIE STEVENS & WILLIAM, GEORGE, & THOMAS RAY	05-24-1	41.25	HH	CHARLES D. NCEL	05-12-54	129.75
K	GEORGE B. STEVENS ESTATE	05-24-3	36.75	II	CHARLES R. BAISDEN & HELEN E. BAISDEN	05-18-1	28.503
L	GREGORY FAMILY TRUST	05-24-4	18.00	JJ	APRIL LOVE WINTERMOYER	05-19C-6.1	4.90
M	MATTIO J. MUGNANO	05-18-28	53.54	KK	KERRY WALTER BARTLETT & MARIE BRUNO CHRISTINE	05-19C-7	2.95
N	WILLIAM SWEITZER ET AL	05-24-9	28.00	LL	KERRY WALTER BARTLETT & MARIE BRUNO CHRISTINE	05-19C-8	1.16
O	ROBERT TAFT, JR. & LOUISE TAFT	05-27-1.1	93.36	MM	KEITH STRAIGHT & ANGELA STRAIGHT	05-19C-7.2	1.475
P	THREE ARROWS LLC	05-24-8	18.50	NN	KEITH STRAIGHT & ANGELA STRAIGHT	05-19C-7.1	1.475
Q	ROSEMARIE JACOBS	05-23-77	98.80	OO	THOMAS R. HUGGINS & DOLORES G. HUGGINS	05-19C-5	2.645
R	DONALD L. STANSBERRY, PATRICIA ANN MOSER & SHIRLEY J. BROWN	05-23-75	15.49	PP	MARLIN UPTON & ROSEMARIE UPTON	05-18-2	8.00
S	RICHARD L. WILLIAMS, JR & M. KRISTI WILLIAMS	05-23-79	36.75	QQ	MARLIN UPTON & ROSEMARIE UPTON	05-18-3	25.146
T	DONALD W. TEETS & MARY M. TEETS & ERNEST J TEETS	05-23-67.1	4.10	RR	MARLIN UPTON & ROSEMARIE UPTON	05-18-5	43.0812
U	RELIANCE MINERALS, INC.	05-23-68	50.00	SS	RELIANCE MINERALS, INC.	05-18-6.2	22.086
V	MARY ELLIS & VIRGINIA M. ELLIS	05-19-25	44.03	TT	RELIANCE MINERALS, INC.	05-18-7	25.1893
				UU	MATTHEW ROBERT PHILLIPS TRUST	05-18-8.1	12.01
				VV	MARY F. BOYLES & ROBERT BOYLES ET AL, LIFE SHIRLEY BOYLES	05-19-50	26.814

09/22/2017

REVISIONS:	COMPANY:	 	
	OPERATOR'S	RELiance MINERALS, INC. MON	DATE: 06-29-2017
	WELL #:	6H	DRAWN BY: N. MANO
	DISTRICT:	CLINTON	SCALE: N/A
	COUNTY:	MONONGALIA	DRAWING NO:
	STATE:	WV	WELL LOCATION PLAT 2