



320 O'Bryan Lane • Van Buren, AR 72966  
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Surveying • handa-inc.com

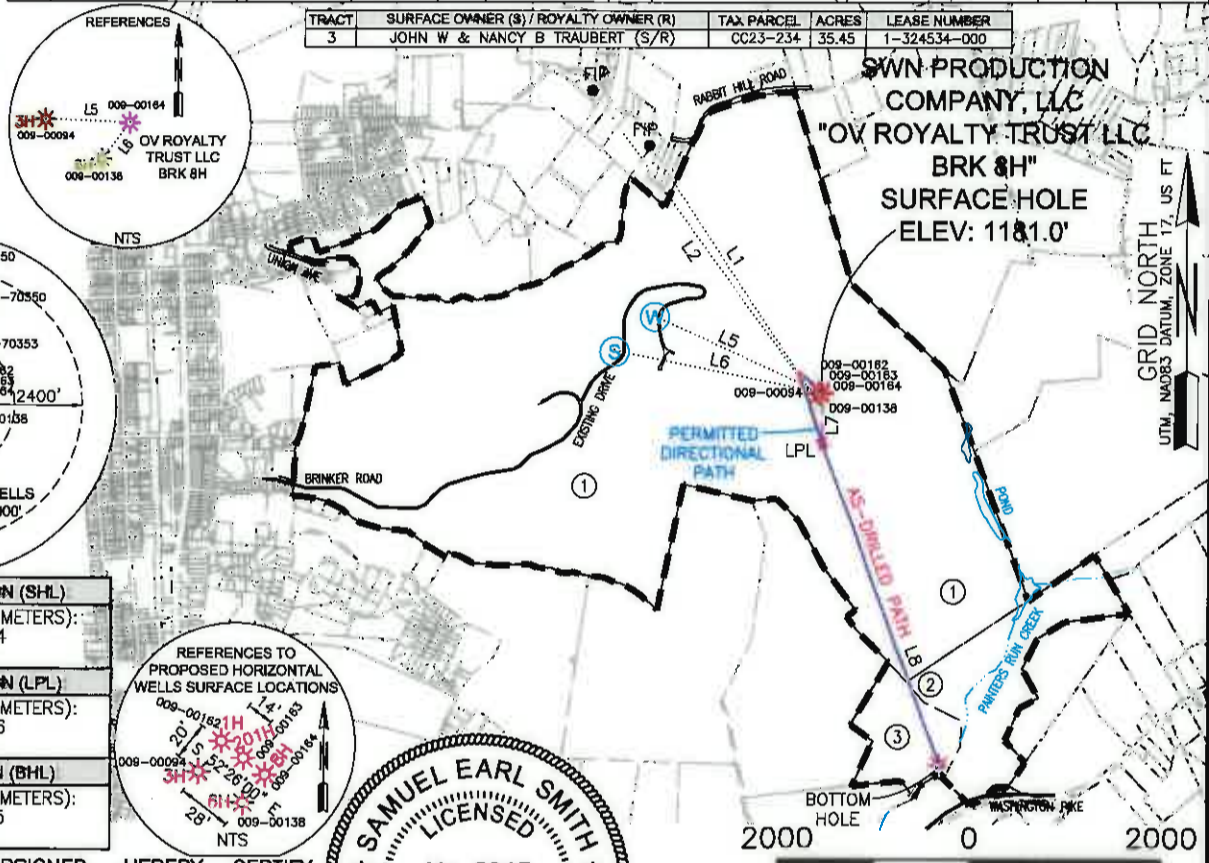
LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 33°44'55" W	3231.97'	SHL TO LANDMARK	STONE FOUND
L2	N 36°20'15" W	4036.98'	SHL TO LANDMARK	14" HICKORY FOUND
L3	N 88°06'06" W	34.90'	SHL TO REF. PNT.	OV ROYALTY TRUST LLC BRK 3H WELL HEAD 009-00094
L4	S 39°11'42" W	19.14'	SHL TO REF. PNT.	OV ROYALTY TRUST LLC BRK 6H WELL HEAD 009-00138
L5	N 65°27'57" W	1928.63'	SHL TO WATER WELL	
L6	N 78°22'36" W	2211.75'	SHL TO SPRING	

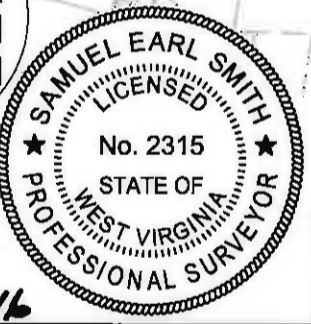
LINE	CHORD BEARING	CHORD DIST	CURVE LENGTH	DESCRIPTION
L7	S 00°52'53" E	519.44'		SHL TO LP
L8	S 20°24'58" E	3545.13'		LP TO BHL

- NOTES ON SURVEY**
- COORDINATE SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
  - 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.
  - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
  - NO OCCUPIED DWELLINGS AND AGRICULTURE BUILDINGS GREATER THAN 2500 SQ. FT. WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
  - NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
  - NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
  - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
  - NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES	LEASE NUMBER	TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES	LEASE NUMBER
1	THE TRUST OF GENE VALENTINE (S/R)	CC22-41	494.38	1-324547-000	2	SCHIAPPA AND COMPANY INC (S/R)	CC28-2	38.68	1-382381-001
	ALICIA HOWARD (R)			1-382626-001		ALICIA HOWARD (R)			1-382626-001
	JAMES BRUCE & DIANA MIDCAP (R)			1-382626-002		JAMES BRUCE & DIANA MIDCAP (R)			1-382626-002
	PAUL ALAN & ERIKA MIDCAP (R)			1-382626-003		PAUL ALAN & ERIKA MIDCAP (R)			1-382626-003
	GARNET MIDCAP (R)			1-382626-004		GARNET MIDCAP (R)			1-382626-004
	BETTY JANE MIDCAP (R)			1-382626-006		BETTY JANE MIDCAP (R)			1-382626-006
	JERRY WAYNE MIDCAP (R)			47-0000306-001		JERRY WAYNE MIDCAP (R)			47-0000306-001
	CYNTHIA MCCLOSKEY & PATRICK MCCLOSKEY (R)			47-0000289-001		CYNTHIA MCCLOSKEY & PATRICK MCCLOSKEY (R)			47-0000289-001
	MARTHA L GODDARD (R)			47-0000877-001		MARTHA L GODDARD (R)			47-0000877-001
	STEPHANIE MAKARA & JAN CHAMBERLAIN (R)			47-0000713-001		STEPHANIE MAKARA & JAN CHAMBERLAIN (R)			47-0000713-001
	GEORGE MICHAEL MAKARA (R)			47-0001332-001		GEORGE MICHAEL MAKARA (R)			47-0001332-001
	D BRENT QUEEN (R)			47-0000680-001		D BRENT QUEEN (R)			47-0000680-001
	DOUGLAS RAY LAUCK (R)			47-0000830-001		DOUGLAS RAY LAUCK (R)			47-0000830-001
	DEBORAH C COLLINS & RICHARD L COLLINS (R)			47-0000829-001		DEBORAH C COLLINS & RICHARD L COLLINS (R)			47-0000829-001
	CURTIS JAMES LAUCK (R)			47-0000825-001		CURTIS JAMES LAUCK (R)			47-0000825-001
	FREDRICK SCOTT MAKARA & DIANA M MAKARA (R)			47-0000678-001		FREDRICK SCOTT MAKARA & DIANA M MAKARA (R)			47-0000678-001
	LAWRENCE ROBERT MIDCAP (R)			47-0000844-001		LAWRENCE ROBERT MIDCAP (R)			47-0000844-001
	MARY BETH BARRETT (R)			47-0001331-001		MARY BETH BARRETT (R)			47-0001331-001
	JUDY A SNOODGRASS (R)			47-0001254-001		JUDY A SNOODGRASS (R)			47-0001254-001
	GRACE MARGARET MIDCAP (R)			47-0000853-001		GRACE MARGARET MIDCAP (R)			47-0000853-001
	BRIAN MAKARA & TAMMY MAKARA (R)			47-0001282-001		BRIAN MAKARA & TAMMY MAKARA (R)			47-0001282-001
	DOUGLAS WHEELER & MARTA WHEELER (R)			47-0001253-001		DOUGLAS WHEELER & MARTA WHEELER (R)			47-0001253-001
	AARON WHEELER (R)			47-0000986-001		AARON WHEELER (R)			47-0000986-001
	EMMITT WHEELER & BONNIE WHEELER (R)			47-0000845-001		EMMITT WHEELER & BONNIE WHEELER (R)			47-0000845-001
	BURTON R LAUCK & WANDA LAUCK (R)			47-0000874-001		BURTON R LAUCK & WANDA LAUCK (R)			47-0000874-001
	RANDALL JAY LAUCK (R)			1-120115-001		RANDALL JAY LAUCK (R)			1-120115-001
	SHANNON WHEELER & CHRISTOPHER SIEBERT (R)			1-120115-002		SHANNON WHEELER & CHRISTOPHER SIEBERT (R)			1-120115-002
	RUTH ELLEN YAZAVEC (R)			1-120115-004		RUTH ELLEN YAZAVEC (R)			1-120115-004
	ALFRED C LEIST & BRENDA K LEIST (R)			1-120115-006		ALFRED C LEIST & BRENDA K LEIST (R)			1-120115-006
	EDWARD WHEELER (R)			1-120115-005		EDWARD WHEELER (R)			1-120115-005
	TARA KEELEY (R)					TARA KEELEY (R)			



<b>SURFACE HOLE LOCATION (SHL)</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,459,553.734 EASTING: 535,337.565
<b>LANDING POINT LOCATION (LPL)</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,459,395.426 EASTING: 535,340.000
<b>BOTTOM HOLE LOCATION (BHL)</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,458,382.745 EASTING: 535,716.938



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. 2315 *[Signature]* 07-27-16

COMPANY: **SWN** Production Company, LLC

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	OV ROYALTY TRUST LLC BRK
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #: 8H API WELL #: 47 09 00164 STATE COUNTY PERMIT

WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW

WATERSHED: BUFFALO CREEK ELEVATION: 1181.0'

DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STUEBENVILLE EAST WV.

SURFACE OWNER: THE TRUST OF GENE VALENTINE ACREAGE: ±494.38

OIL & GAS ROYALTY OWNER: THE TRUST OF GENE VALENTINE ACREAGE: ±494.38

DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS DEPTH: 5,777' TVD 9,829' 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

<b>LEGEND:</b>	<b>REVISIONS:</b>	<b>DATE:</b> 08-18-2015
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	▲ REVISED TR 1 & 2 LEASE NO. 07-17-2015	DRAWN BY: S. HUTSON SCALE: 1" = 2000' DRAWING NO: 59285 WELL LOCATION PLAT
⊗ EXISTING / PRODUCING WELLHEAD	▲ UPDATED WITH AS-DRILLED DIRECTIONAL PATH, 11-17-2015	
⊗ ABANDONED WELL	▲ UPDATED PER. DIR. PATH, ADDED LPL COORDS 07-25-2016	
⊗ PLUGGED & ABANDONED WELL		
△ CUT CONDUCTOR		