



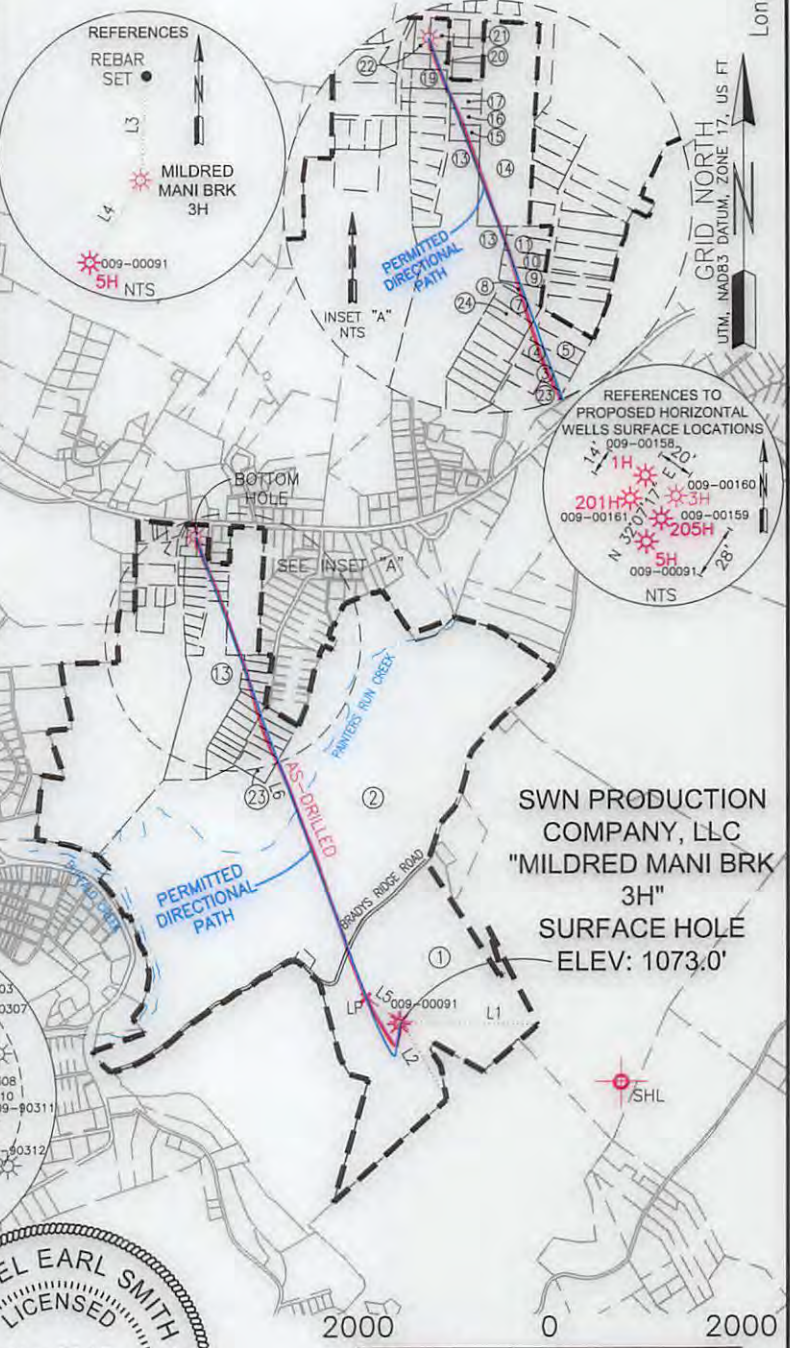
320 O'Bryan Lane • Van Buren, AR 72956  
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Surveying • handa-inc.com

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 89°02'06" E	1425.82'	SHL TO LANDMARK	FOUND IRON PIPE
L2	S 47°57'10" E	995.08'	SHL TO LANDMARK	FOUND IRON PIPE
L3	N 02°51'19" E	165.27'	SHL TO REF. PNT.	1/2"Ø REBAR SET
L4	S 31°54'52" W	27.50'	SHL TO REF. PNT.	MILDRED MANI BRK 5H WELL HEAD 009-00091
LINE	CHORD BEARING	CORD DIST.	CURVE LENGTH	DESCRIPTION
L5	N 55°29'45" W	444.23'		SHL TO LP
L6	N 20°24'48" W	5091.22'		LP TO BHL

Latitude: 40°17'30"

Longitude: 80°35'00"

TRACT	SURFACE OWNER (S) ROYALTY OWNER (R)	TAX PARCEL	ACRES	LEASE NUMBER
1	MILDRED MANI (S/R)	B27-26	95.00	1-324207-001
1	MILES BAUER (R)	B27-26	95.00	1-324207-002
1	ERIK PHILIP BAUER (S/R)	B27-26	95.00	1-329350-002
2	MILDRED MANI (S/R)	B27-21	204.94	1-324207-001
2	MILES BAUER (R)	B27-21	204.94	1-324207-002
2	ERIK PHILIP BAUER (S/R)	B27-21	204.94	1-329350-002
3	GERALD E. WELLMAN, JR. (S/R)	B27L-42	0.853	1-329373-000
4	DONALD R. MYERS, II & LISA R. MYERS (S/R)	B27L-43	0.840	47-000482-000
5	THOMAS W. SHRINER & BARBARA J. SHRINER (S/R)	B27L-44	0.830	1-329506-000
7	RANDY J. WEAVER & CYNTHIA G. WEAVER (S/R)	B27L-31	0.690	47-000171-000
8	JAMES WEAVER (S)	B27L-30	0.680	
8	JAMES WEAVER, a widower (R)	B27L-30	0.680	47-000277-000
9	JOHN M. WHITE & TONIE A. WHITE (S/R)	B27L-29	0.688	47-000053-000
10	JOHN J. ECKERSBERG (S/R)	B27L-28	0.688	1-345226-000
11	TIMOTHY J. DAVIS SPECIAL NEEDS TRUST (S)	B27L-27	0.690	
11	ARTHUR APITZSCH & RENEE APITZSCH (R)	B27L-27	0.690	47-000604-000
13	DAVID E. SMITH (S/R)	B27G-40	18.60	1-329401-002
13	JAMES LOUIS WEAVER (S)	B27G-40	18.60	
13	JAMES WEAVER, a widower (R)	B27G-40	18.60	1-329401-001
14	THE MALONEY FAMILY TRUST (S/R)	B27G-49	11.21	47-000498-000
15	JEREMIAH J. STEIN (S/R)	B27G-41	0.420	47-000355-000
16	GARY E. SEAVOLT (S/R)	B27G-42	0.420	47-000357-000
17	GARY L. WILSON & DIANE L. WILSON (S/R)	B27G-43	0.420	47-000234-000
19	CARLENE S. MORGAN (S/R)	B27G-30.1	0.243	47-000226-000
20	FINLEY C. AMOS & NAOMI R. AMOS (S/R)	B27G-29	0.410	1-329231-000
21	WILLIAM MARK CIPOLETTI & DEBORAH K. CIPOLETTI (S/R)	B27G-28	0.520	47-000539-000
22	EUGENE CIPOLETTI & JUDY LYNN CIPOLETTI (S/R)	B27G-27	0.560	47-000512-000
23	STACE ANN WEST, TRUSTEE FOR THE KYANKO KEYSTONE INHERITANCE TRUST, DATED JUNE 25, 2009	B27L-40	1.950	1-313935-000
24	PATRICIA T. HARRIS (S/R)	B27L-32	0.670	1-329497-000



- 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 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.

<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,024.703 EASTING: 534,907.106
<b>LANDING POINT (LP):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,101.403 EASTING: 534,795.525
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4,457,555.759 EASTING: 534,254.269

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



GRAPHIC SCALE IN FEET

COMPANY: **SWN** Production Company, LLC

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>COMPANY: MILDRED MANI BRK</p> <p>OPERATOR'S WELL #: 3H</p> <p>API WELL #: 47 09 00160</p> <p>STATE COUNTY PERMIT</p>
	<p>WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/></p> <p>WATERSHED: BUFFALO CREEK</p> <p>DISTRICT: BUFFALO COUNTY: BROOKE</p> <p>SURFACE OWNER: MILDRED MANI &amp; ERIK PHILIP BAUER</p> <p>OIL &amp; GAS ROYALTY OWNER: MILDRED MANI &amp; ERIK PHILIP BAUER</p> <p>DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/></p> <p>CONVERT <input type="checkbox"/> PLUG &amp; ABANDON <input type="checkbox"/> CLEAN OUT &amp; REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED</p> <p>TARGET FORMATION: MARCELLUS</p>	<p>ELEVATION: 1073.0'</p> <p>QUADRANGLE: STUEBENVILLE EAST WV.</p> <p>ACREAGE: 95.00±</p> <p>ACREAGE: 95.00±</p>

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

DESIGNATED AGENT: DEE SOUTHALL ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378

<b>LEGEND:</b>	<b>REVISIONS:</b>	<b>DATE:</b> 10-21-2015
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	△ REVISED SHL, LP, & BHL FOR ASDRILLED	
⊙ EXISTING / PRODUCING WELLHEAD	— DIRECTIONAL PATH 11-04-2015	
⊘ ABANDONED WELL	△ REVISED ASDRILLED & PERMITTED DIRECTIONAL PATH	<b>DRAWN BY:</b> J. HARNESS
⊙ PLUGGED & ABANDONED WELL	— COLOR, ADDED LP COORDINATES. 01-29-2016	<b>SCALE:</b> 1" = 200'
△ CUT CONDUCTOR		<b>DRAWING NO:</b> 59392
		<b>WELL LOCATION PLAT</b>