



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

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 89°30'22" E	1433.14'	SHL TO LANDMARK	FOUND IRON PIPE
L2	S 47°45'53" E	975.39'	SHL TO LANDMARK	FOUND IRON PIPE
L3	N 05°04'41" E	177.42'	SHL TO REF. PNT.	1/2" Ø REBAR SET
L4	S 31°09'47" W	13.65'	SHL TO REF. PNT.	MILDRED MANI BRK 5H WELL HEAD 009-00091
LINE	CHORD BEARING	CHORD DIST.	CURVE LENGTH	DESCRIPTION
L5	N 58°01'15" E	1355.51'		SHL TO LP
L6	N 21°50'09" W	4575.76'		LP TO BHL

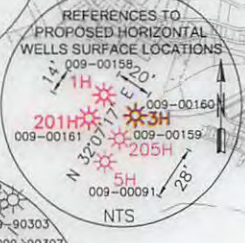
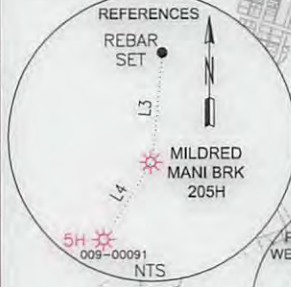
Latitude: 40°17'30"

Longitude: 80°35'00"

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.

TRACT	SURFACE OWNER (S) ROYALTY OWNER (R)	TAX PARCEL	ACRES	LEASE NUMBER
1	ERIC PHILIP BAUER (S/R)	B27-26	95.00	1-329350-002
1	MILDRED MANI (S/R)	B27-26	95.00	1-324207-001
1	MILES BAUER (R)	B27-26	95.00	1-324207-002
2	STARVAGGI INDUSTRIES (S/R)	B27-22	167.00	1-324527-000
3	LARRY B. ARACICH & SHELLY D. ARACICH (S/R)	B27-23	5.44	47-000011-000
4	ERIC PHILIP BAUER (S/R)	B27-21	207.00	1-329350-002
4	MILDRED MANI (S/R)	B27-21	207.00	1-324207-001
4	MILES BAUER (R)	B27-21	207.00	1-324207-002
5	WILLIAM C. HARVEY & MARY B. HARVEY (S/R)	B27H-23	0.360	47-000524-000
6	PATRICIA A. ANTAL (S/R)	B27H-25	0.300	1-343033-000
7	BARRY L. KIRKLEY (S/R)	B27H-29	1.334	47-000558-000
9	BERNARD J. DINARDO JR & IRENE A. DINARDO (S)	B27H-32	1.320	47-002708-000



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,021.304 EASTING: 534,904.876
LANDING POINT (LP): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,456,240.118 EASTING: 535,255.335
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,457,534.746 EASTING: 534,736.580



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

(+) 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 SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	COMPANY: SWN Production Company, LLC MILDRED MANI BRK OPERATOR'S WELL #: 205H API WELL #: 47 09 00159 STATE COUNTY PERMIT
	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"/>	WATERSHED: BUFFALO CREEK DISTRICT: BUFFALO COUNTY: BROOKE SURFACE OWNER: MILDRED MANI & ERIK PHILIP BAUER OIL & GAS ROYALTY OWNER: MILDRED MANI & ERIK PHILIP BAUER

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"/> CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED TARGET FORMATION: MARCELLUS DEPTH: 5,700' TMD TO 9,911' TMD	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
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LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD ⊗ ABANDONED WELL ⊗ PLUGGED & ABANDONED WELL △ CUT CONDUCTOR	--- LEASE BOUNDARY --- AS-DRILLED PATH --- PERMITTED DIRECTIONAL PATH --- DIRECTIONAL PATH --- ABANDONED PATH	REVISIONS: △ REVISED SHL, LP, & BHL FOR ASDRILLED DIRECTIONAL PATH 11-04-2015 △ REVISED ASDRILLED & PERMITTED DIRECTIONAL PATH COLOR, ADDED LP COORDINATES. 01-29-2016	DATE: 10-21-2015 DRAWN BY: J. HARNESS SCALE: 1" = 2000' DRAWING NO: 59394 WELL LOCATION PLAT
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