

THRASHER

THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

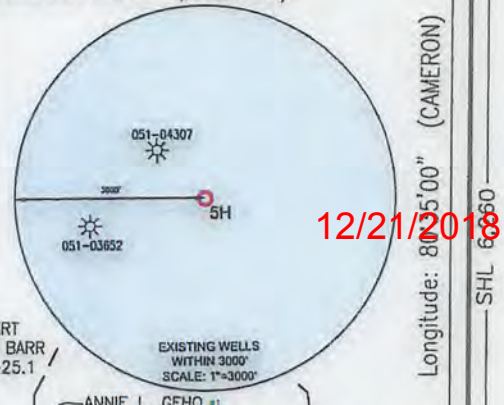
NOTES ON SURVEY

- COORDINATES 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 FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS 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, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

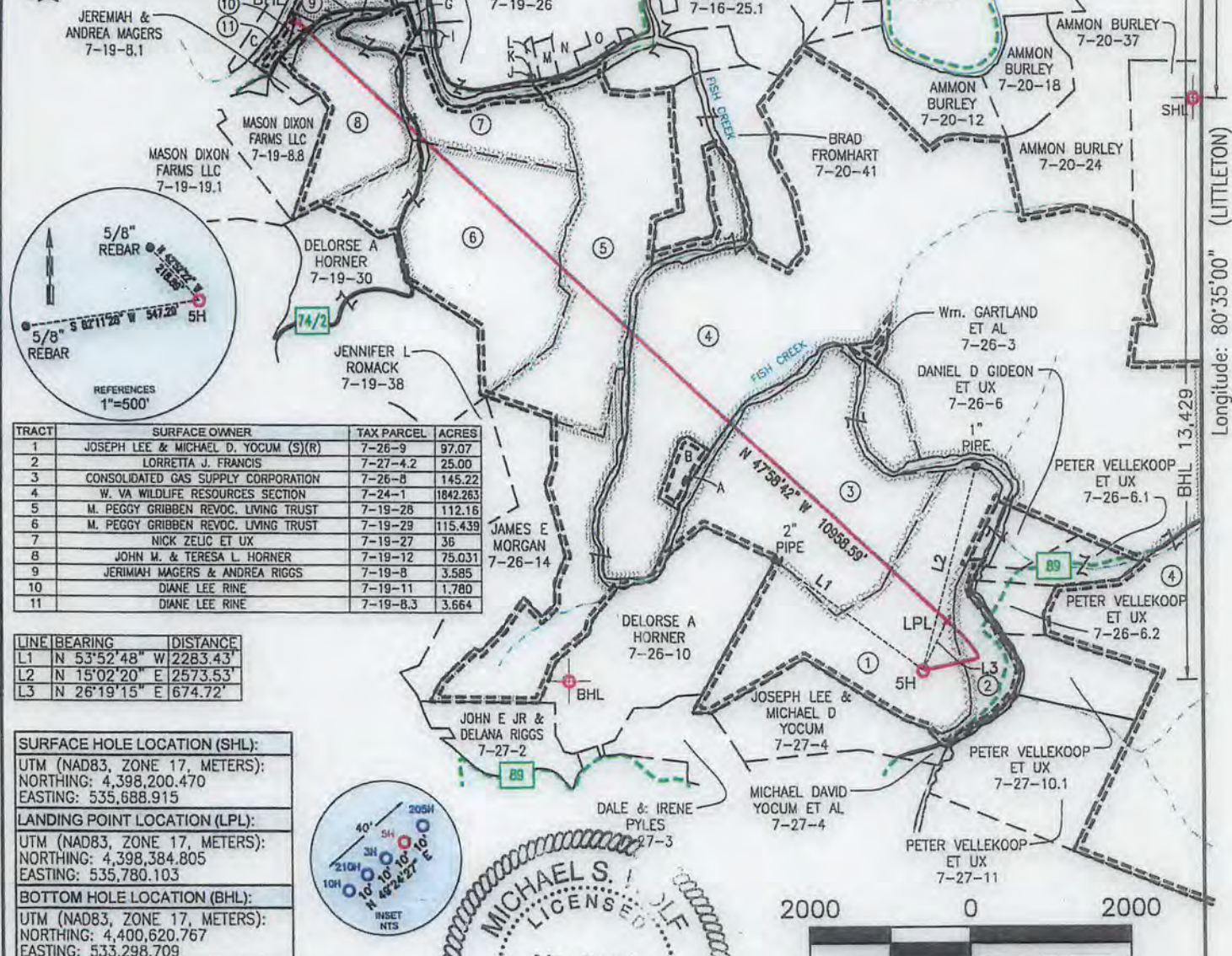
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

TRACT	SURFACE OWNER	TAX PARCEL
A	JOHN M & USA A BUTLER	7-26-11.1
B	HUNTER RESOURCES INC	7-26-11
C	MARY ESIMER GRIMM	7-19-10.1
D	ROBERT L MCKEY	7-16-9
E	RICHARD H KESTEL & EDWARD J SILCOX	7-16-12
F	LARRY H MYER ET UX	7-16-15
G	JOHN C & SONIA M RICHARDS	7-19-13
H	JOHN C & SONIA M RICHARDS	7-19-14
I	JOHN M & TERESA L HORNER	7-19-17
J	CHURCH OF CHRIST TRUSTEES	7-19-25
K	JAMES REGIEC SR ET AL	7-19-24
L	JAMES REGIEC SR ET AL	7-19-23.1
M	JAMES E JR & GINGER REGIEC	7-19-23.2
N	JAMES F & JANE ANNE DRUSCHEL ET AL	7-19-23
O	GAIL CUMPTON	7-19-20

Latitude: 39°45'00" (LITTLETON) SHL 119'
BHL 7,924'
Latitude: 39°47'30" (CAMERON)



12/21/2018



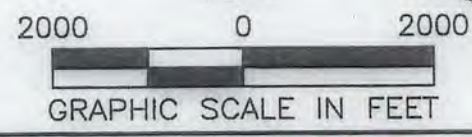
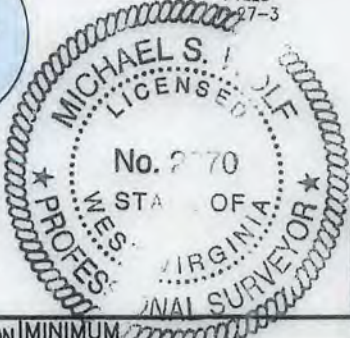
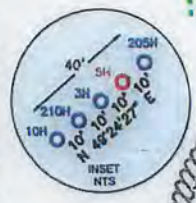
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
1	JOSEPH LEE & MICHAEL D. YOCUM (S)(R)	7-26-9	97.07
2	LORRETTA J. FRANCIS	7-27-4.2	25.00
3	CONSOLIDATED GAS SUPPLY CORPORATION	7-26-8	145.22
4	W. VA WILDLIFE RESOURCES SECTION	7-24-1	1842.263
5	M. PEGGY GRIBBEN REVOC. LIVING TRUST	7-19-26	112.16
6	M. PEGGY GRIBBEN REVOC. LIVING TRUST	7-19-29	115.439
7	NICK ZELUC ET UX	7-19-27	36
8	JOHN M. & TERESA L. HORNER	7-19-12	75.031
9	JERIMAH MAGERS & ANDREA RIGGS	7-19-8	3.585
10	DIANE LEE RINE	7-19-11	1.780
11	DIANE LEE RINE	7-19-8.3	3.664

LINE	BEARING	DISTANCE
L1	N 53°52'48" W	2283.43'
L2	N 15°02'20" E	2573.53'
L3	N 26°19'15" E	674.72'

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,398,200.470
EASTING: 535,688.915

LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,398,384.805
EASTING: 535,780.103

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,400,620.767
EASTING: 533,298.709



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.

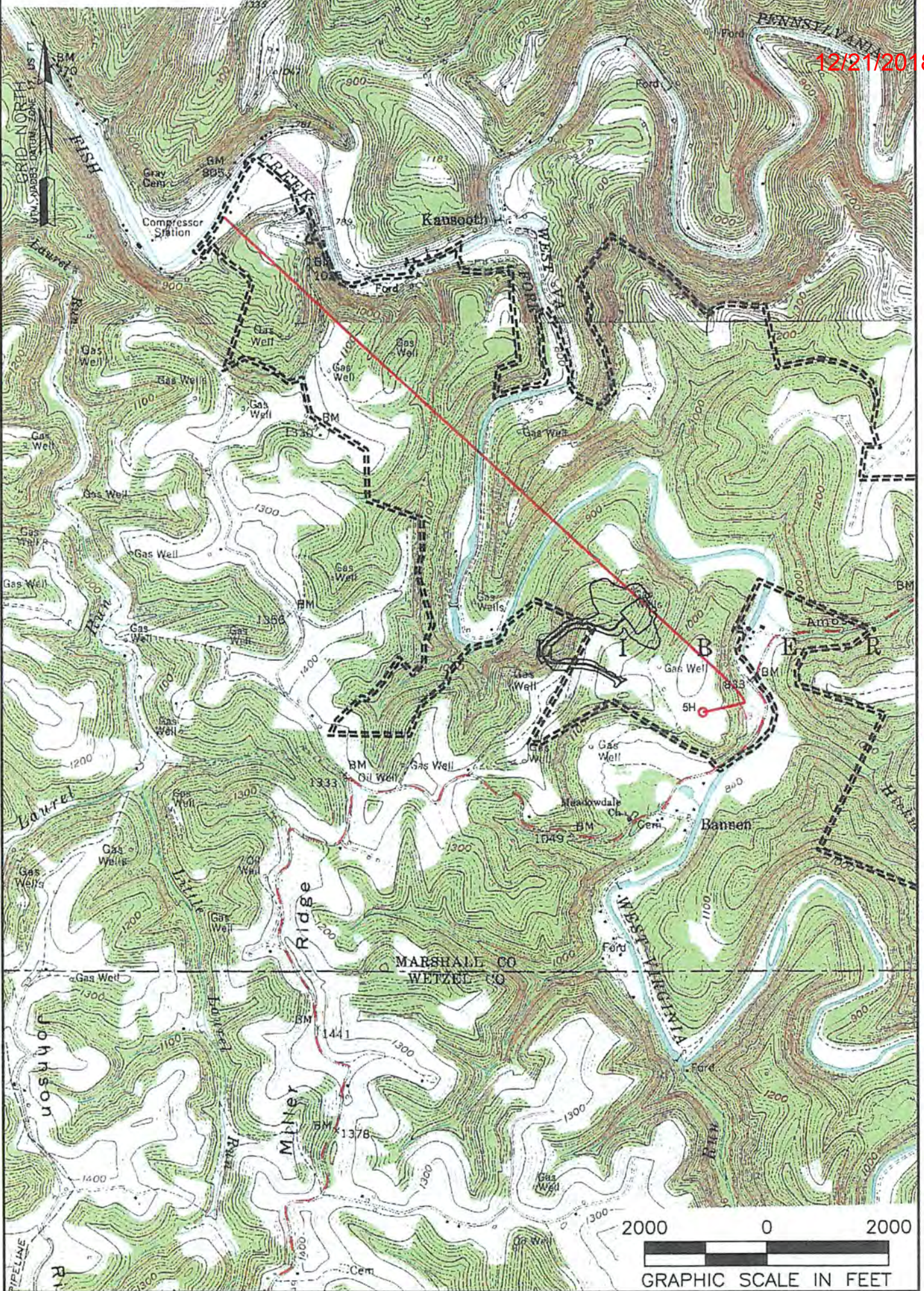
P.S. 2270 *[Signature]* 10/4/18

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>COMPANY: SWN Production Company, LLC</p> <p>OPERATOR'S WELL #: 5H</p> <p>API WELL #: 47 STATE 051 COUNTY 02024 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: FISH CREEK</p> <p>DISTRICT: LIBERTY COUNTY: MARSHALL</p> <p>SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM</p> <p>OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM</p> <p>DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/></p> <p>CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,081 TVD 18,457 MD</p>	<p>YOCUM MSH</p> <p>ELEVATION: 1053.4' (DESIGN)</p> <p>QUADRANGLE: LITTLETON, WV</p> <p>ACREAGE: ± 97.07</p>
<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>ADDRESS: P.O. BOX 1300</p> <p>CITY: JANE LEW STATE: WV ZIP CODE: 26378</p>	<p>DESIGNATED AGENT: BRITTANY WOODY</p> <p>ADDRESS: P.O. BOX 1300</p> <p>CITY: JANE LEW STATE: WV ZIP CODE: 26378</p>	<p>LEGEND:</p> <ul style="list-style-type: none"> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ☼ EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION ⊙ EXISTING WATER WELL ⊙ EXISTING SPRING — SURVEYED BOUNDARY — DRILLING UNIT ===== LEASE BOUNDARY — PROPOSED PATH
<p>REVISIONS:</p>		<p>DATE: 10-04-2018</p> <p>DRAWN BY: K. POTHS</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 030-3170</p> <p>WELL LOCATION PLAT</p>

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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* LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- ===== LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: YOCUM MSH	WELL # 5H	SERIAL # XXXX
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY - CODE MARSHALL - 051	DISTRICT; PROCTOR	
SURFACE OWNER: JOSEPH LEE & MICHAEL D. YOCUM	USGS 7 1/2 QUADRANGLE MAP NAME LITTLETON, WV		