

Latitude: 40°05'00" SURFACE HOLE 4111'

Latitude: 40°05'00" BOTTOM HOLE 1651'

Longitude: 80°35'00" SURFACE HOLE 1510'

Longitude: 80°35'00" BOTTOM HOLE 4909'

ELK LAKE SERVICES, LLC

280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303

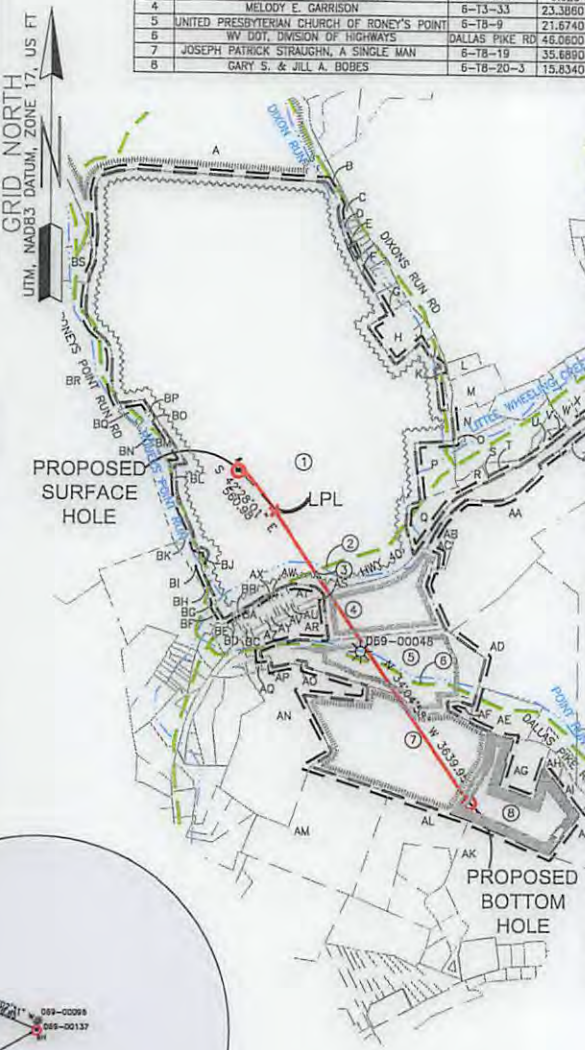
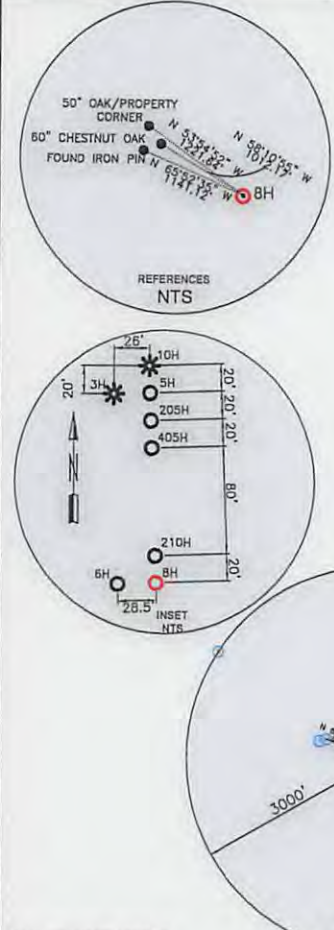
WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER / ROYALTY OWNER	TAX PARCEL	ACRES
1	BOARD OF COMMISSIONERS OF OHIO COUNTY	3-113-3	262.8500
SURFACE OWNER			
TRACT	TAX PARCEL	ACRES	
2	WY DOT, DIVISION OF HIGHWAYS	HWY 40	78.6300
3	THE VILLAGE OF VALLEY GROVE	6-730-27	0.028
4	MELODY E. GARRISON	6-13-33	23.3860
5	UNITED PRESBYTERIAN CHURCH OF RONEY'S POINT	6-18-9	21.6740
6	WY DOT, DIVISION OF HIGHWAYS	DALLAS PIKE RD	46.0600
7	JOSEPH PATRICK STRAUGHN, A SINGLE MAN	6-18-19	35.6890
8	GARY S. & JILL A. BOBES	6-18-20-3	15.8340

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	BOARD OF COMMISSIONERS OF OHIO COUNTY	3-113-3-1	227.846
B	KIMBERLY STEVENSON	3-113-6-1	0.604
C	TYSON L. LOVERIDGE	3-113-6	0.546
D	TYSON L. LOVERIDGE	3-113-6-4	0.210
E	JAMES E. II & CHRISTINE WHEELER	3-113-8-2	0.296
F	JOLLY W. WHEELER	3-113-12-3	0.968
G	STEVEN SHEARER	3-113-13	5.000
H	JAMES C. & D. L. KNIGHT	3-113-14	0.561
I	DARYL & MARY C. DEMERSKI	3-113-15	0.389
J	KEITH E. & C. J. BARON	6-13-11	0.827
K	HARRY E. AND CHERYL L. HOLMAN	6-13-12	1.370
L	HARRY E. AND CHERYL L. HOLMAN	6-13-13	3.580
M	GERALD T. & ANN MOORE	6-13-14-1	0.242
N	GERALD T. & ANN MOORE	6-13-14	5.108
O	JOS INVESTMENTS LLC	6-13-16	3.038
P	JEFF HOCKENBERRY & DARLENE A. KLUG	6-13-17	0.870
R	WHEELING ELECTRIC COMPANY	6-13-17-1	0.780
S	WHEELING ELECTRIC COMPANY	6-13-18-2	0.890
T	PAUL R. & CAROL G. TEMPLIN	6-13-18	0.749
U	PAUL SR. & CAROL G. TEMPLIN	6-13-18-1	0.251
V	PAUL SR. & CAROL G. TEMPLIN	6-VG10-1	1.370
W	KARL L. & C. J. KOSEM	6-VG10-2-1	1.490
X	ANDREW P. HOGAN	6-VG10-14-1	2.87
Y	PAUL SR. & CAROL G. TEMPLIN	6-13-20-1	1.500
Z	CLYDE E. MCCORD	6-13-20-2	46.031
AA	FRED E. III & CONNIE L. WILDERN	6-13-20-3	0.410
AB	STEPHEN J. & THERESA L. GRECHEN	6-18-11	7.750
AC	KENNETH L. & R. L. MURPHY	6-18-10	6.480
AD	PAUL R. & C. G. TEMPLIN	6-18-9-1	0.625
AE	GARY S. & JILL A. BOBES	6-18-20	5.000
AF	JOHN A. JR. & N. N. PIFFO	6-18-20-1	1.588
AG	THRESA MITCHEM	6-18-20-2	1.588
AJ	FRANCES F. DARRAH	6-18-21	21.300
AK	HARRY A. HOHMAN	6-18-27	56.200
AL	HENRY KUHENS	6-18-25	14.338
AM	JANET L. KIMBLE	6-18-24	28.350
AN	HOWARD L. JR. & CHRISTINE MINCH	6-18-19-1	29.470
AO	UNITED PRESBYTERIAN CHURCH	6-18C-11	0.140
AP	COREY BALDAUF	6-18C-10	0.170
AQ	HOWARD L. JR. AND CHRISTINE MINCH	6-18C-9	0.163
AR	BERYL F. & O. L. SHUMAN	6-13-19	5.147
AS	JANIE K. KUHENS	6-13-34	0.204
AT	SUPERIOR INDUSTRIAL LAUNDRIES	6-130-26	1.060
AU	PAULA C. & DRION E. STEPHAN	6-130-25	0.305
AV	HAROLD B. AND D. J. MOORE	6-130-24	0.360
AW	ROBERT B. & EVELYN M. CLARK	6-130-23	0.200
AX	MARVIN H. AND K. L. SWAIN	6-130-22	0.200
AY	PHK LLC	6-130-21	0.450
AZ	TAMMY M. HAMMONS	6-130-20	0.360
BA	EDDIE L. & TRACEY L. MCDANIELS	6-130-19	0.770
BB	JUSTIN S. MARSH & ASHLEY L. FONNER	6-130-18-1	0.260
BC	HOLLY M. FLACK	6-130-18	0.223
BD	JOSEPH A. MCKENNEY III	6-130-17	0.950
BE	VALLEY COIN MACHINE COMPANY LLC	6-130-16	1.113
BF	BOARD OF COMMISSIONERS OF OHIO COUNTY	6-130-13	0.1128
BG	KENNETH L. NELSON	6-130-10	0.246
BH	JOHN A. AND C. M. HUNTER	6-130-11-1	0.920
BI	JOHN A. AND C. M. HUNTER	6-130-11	0.999
BJ	JOHN A. AND C. M. HUNTER	6-130-12	0.333
BK	RANDY DALE & BRENDA JOYCE HANNING	6-13-5-2	4.548
BL	RANDY DALE & BRENDA JOYCE HANNING	6-13-5-1	0.217
BM	BOARD OF COMMISSIONERS OF OHIO COUNTY	6-130-10	1.800
BN	BARBARA A. SHORES	6-13-9	1.100
BO	JAMES R. AND DARLA J. HUGHES	6-13-8	0.340
BP	TRACEY E. & JOHN P. KETRON	6-13-7	0.230
BQ	ALFRED DERR	6-13-6	1.100
BR	TIMMY B. & AMY LYNN MINCH	6-13-5	161.800
BS	CARL J. SHELLER	3-113-24	2.198

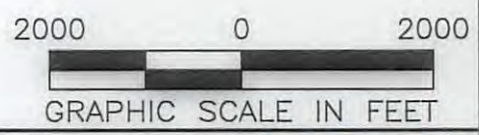
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,436,624.59
EASTING: 534,273.02

LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,436,500.45
EASTING: 534,390.52

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,435,592.43
EASTING: 535,027.31



- WELL RESTRICTIONS**
- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
 - NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
 - WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 531 FEET OF PROPOSED WELL.
 - PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN 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.
- NOTES ON SURVEY**
- 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.
 - ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.



P.S. 2164

(+) 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 SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)

COMPANY: **SWN** Production Company, LLC

OCC A OHI

OPERATOR'S WELL #: 8H

API WELL #: 47 STATE, 69 COUNTY, H&A 00245 PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1095.5'

DISTRICT: LIBERTY COUNTY: OHIO COUNTY QUADRANGLE: VALLEY GROVE

SURFACE OWNER: BOARD OF COMMISSION OHIO COUNTY ACREAGE: ±265.54

OIL & GAS ROYALTY OWNER: BOARD OF COMMISSION OHIO COUNTY ACREAGE: ±265.54

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,265' TO 10,162' 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

LEGEND:

- 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

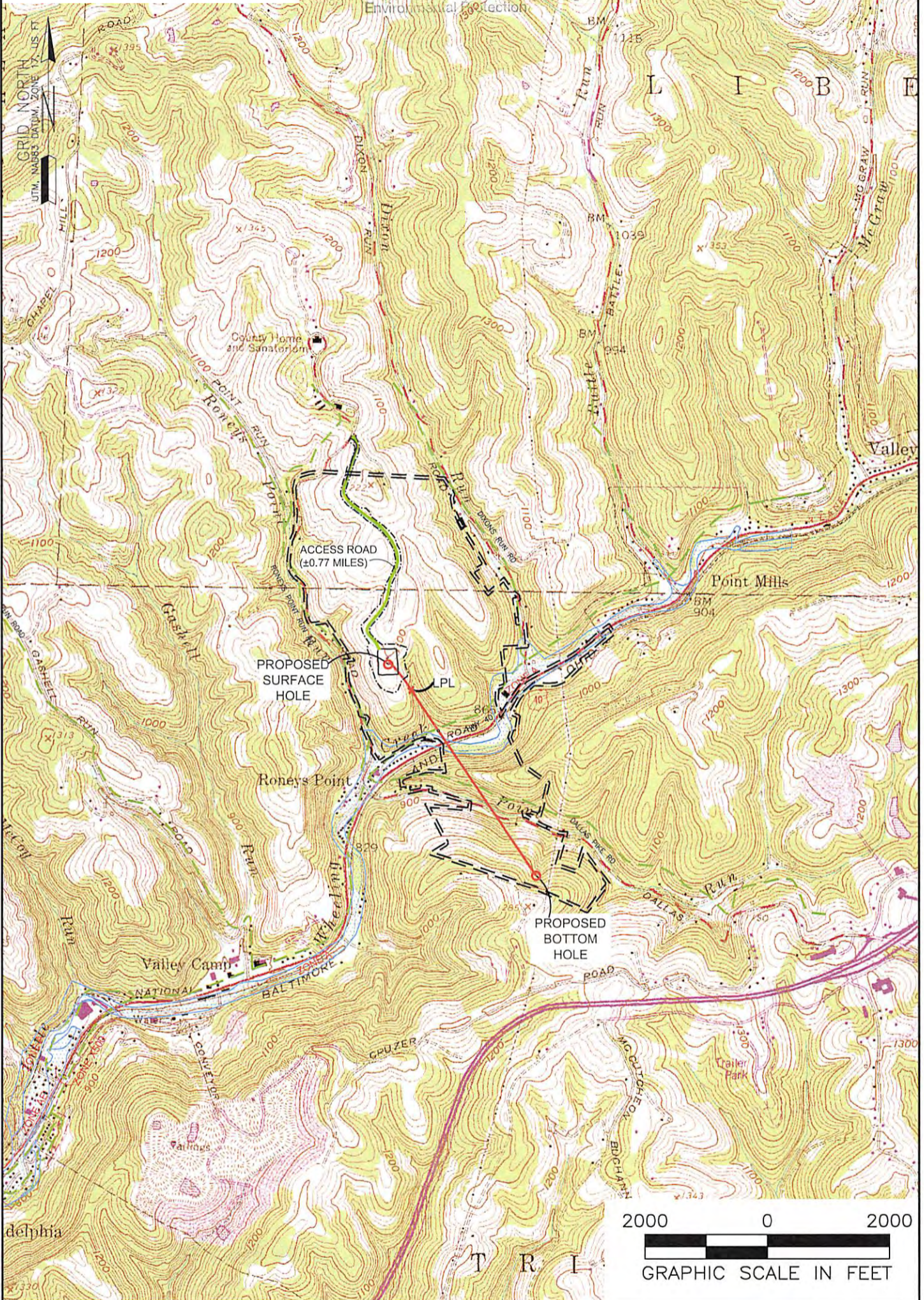
REVISIONS:

DATE: 06-28-2017
FILE NO: 16-78
DRAWN BY: A. BLACK
SCALE: 1" = 2000'
DRAWING NO: 1
WELL LOCATION PLAT 1

ELK LAKE SERVICES, LLC

280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303

RECEIVED
Office of Oil and Gas
JUN 29 2017
WV Department of
Environmental Protection



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.
 4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

	PROPOSED SURFACE HOLE / BOTTOM HOLE		ACCESS ROAD
	EXISTING / PRODUCING WELLHEAD		PUBLIC ROAD
	LANDING POINT LOCATION		ACCESS ROAD TO PREV. SITE
	FLOOD PLAIN		LEASE BOUNDARY
			PROPOSED PATH

10/27/2017

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC
ADDRESS:
P.O. BOX 1300 JANE LEW, WV 26378
SURFACE OWNER:
BOARD OF COMMISSION OHIO COUNTY

WELL (FARM) NAME: OCC A OHI	WELL # 8H	SERIAL # XXXX
COUNTY OHIO COUNTY - 69	DISTRICT: LIBERTY	
USGS 7 1/2 QUADRANGLE MAP NAME VALLEY GROVE, WV		