

Latitude: 39°47'30"

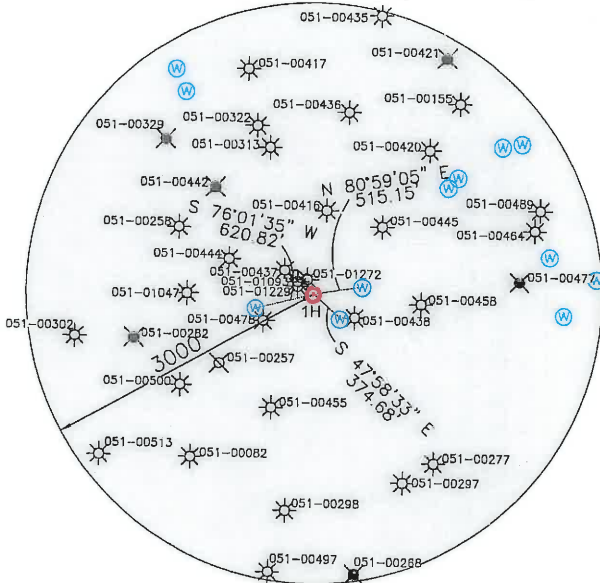
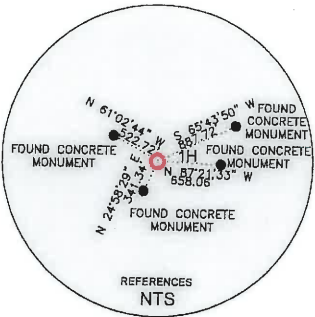
SURFACE HOLE 8938'

Latitude: 39°47'30" BOTTOM HOLE

2519'

ELK LAKE SERVICES, LLC

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

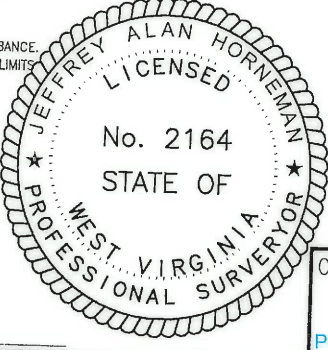
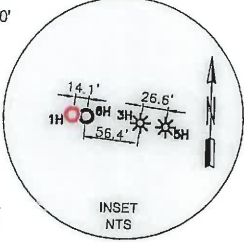
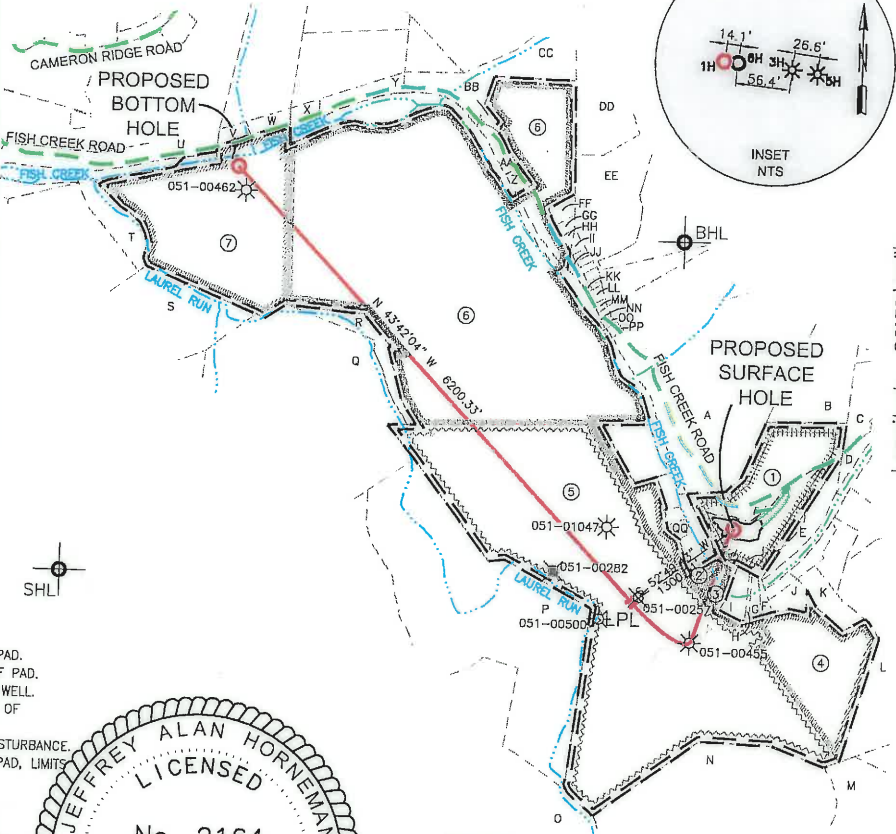


SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,400,582.15	
EASTING: 532,970.33	
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,400,337.60	
EASTING: 532,658.67	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,401,659.76	
EASTING: 531,352.18	

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

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (BY ROYALTY OWNER (R))	TAX PARCEL	ACRES
1	COLUMBIA GAS TRANSMISSION, LLC (S)	7-19-10	55.150000
2	WILMA M GATTEN, F/K/A WILMA G KESTNER, A WIDOW(R)	7-19-6	1.926000
3	MASON DIXON FARMS, LLC	7-19-7	2.400000
4	MASON DIXON FARMS, LLC	7-19-8.8	60.000000
5	MASON DIXON FARMS, LLC	7-19-1	138.750000
6	MASON DIXON FARMS, LLC	7-17-33	221.140000
7	MASON DIXON FARMS, LLC	7-17-35	60.000000

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	MASON DIXON FARMS LLC	7-18-7	77.59368691
B	MANUFACTURERS LIGHT & HEAT	7-19-10	19.74335444
C	CHARLES C. COOK	7-18-9	12.81315087
D	EDWARD L. GILBERT	7-19-12.1	1.66007947
E	MARY ESTHER GRIMM - LIFE	7-19-10.1	4.633449518
F	RODNEY J. WALLACE, ET UX	7-19-40	0.639969493
G	WALTER A. GUZEK JR., ET AL	7-19-41	0.95835677
H	LAWRENCE PAUL CHAMBERS	7-19-39	0.3788359
I	MICHAEL T. AND CARLA M. WHITEMORE	7-19-8.7	2.28924892
J	THOMAS A. AND KAREN S. BUKOSKY	7-19-9	2.04701162
K	THOMAS A. AND KAREN S. BUKOSKY	7-19-8.1	4.00323574
L	JOHN M. AND TERESA L. HORNER	7-19-12	74.69724223
M	DELORE S. & CHARLES E. HORNER DOROTHY S. & MITCHELL J. PRICE	7-19-30	119.8400
N	JOHN & TERESA L. HORNER	7-19-32	90.7600
O	MASON DIXON FARMS, LLC	7-18-7	91.0500
P	MASON DIXON FARMS, LLC	7-18-6	95.5000
Q	MASON DIXON FARMS, LLC	7-17-36	140.0000
R	JAMES ROBERT AND TIMOTHY WARREN	7-17-34	4.96033662
S	DAVID M. MCGEE AND MADISON GRACE	7-17-37.4	20.0000
T	RODNEY J. AND DIANNA L. WALLACE (NO NAME ON ASSESSMENT)	7-17-37.3	6.157224007
U	(NO NAME ON ASSESSMENT)	7-17-11	10.82812587
V	BETTY TAYLOR MCCULLEY, ET VIR	7-17-8	1.0000
W	DAVID BARTSCH	7-17-12	4.0000
X	MASON DIXON FARMS, LLC	7-17-16.1	1.5000
Y	ROBERT S. AND SHEILA D. SIMMS	7-17-16	3.528329756
Z	ALEXANDER FAMILY TRUST	7-17-34.1	0.10300
AA	ROBERT C. BLAKE, ET UX	7-17-34.2	0.96000
BB	MICHAEL BELCHER	7-17-33.1	0.54000
CC	ROBERT S. AND SHEILA D. SIMMS	7-17-18	13.7070
DD	MASON DIXON FARMS LLC	7-17-19	20.50216449
EE	MASON DIXON FARMS LLC	7-17-19.1	19.24913255
FF	MASON DIXON FARMS LLC	7-17-20	1.17483308
GG	CHRISTINA Y. RICHMOND	7-17-21	0.581694138
HH	KEVIN B. MCELWEE	7-17-22	0.324043221
IJ	KEVIN B. MCELWEE	7-17-23	0.50754737
KK	NORMAN L. DERROW, ET UX	7-17-26.2	0.2300
LL	GAIL & KAREN HUAN	7-17-27	0.1500
MM	RALPH MARTIN TAYLOR	7-17-29	0.4500
NN	ESTATE OF JAMES STEPHEN BARKER	7-17-30	0.2200
OO	JERRY S. AND CYNTHIA C. WHORTON	7-17-31	0.1300
PP	JERRY S. AND CYNTHIA C. WHORTON	7-17-32	0.1300
QQ	JERRY S. AND CYNTHIA C. WHORTON	7-18-7.1	0.3100
RR	MICHAEL E. & DONNA D. RICHARDS	7-19-3	0.5100



- WELL RESTRICTIONS**
1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
 2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
 3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 375 FEET OF PROPOSED WELL.
 4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN THE LIMITS OF DISTURBANCE.
 5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
 6. 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

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

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. 2164

COMPANY: **SWN** Production Company, LLC

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

COLUMBIA GAS TRANSMISSION MSH

OPERATOR'S WELL #: 1H

API WELL #: 47 51 01936

STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH

DISTRICT: LIBERTY COUNTY: MARSHALL COUNTY ELEVATION: 783.5'

SURFACE OWNER: COLUMBIA GAS TRANSMISSION, LLC QUADRANGLE: CAMERON, WV

OIL & GAS ROYALTY OWNER: WILMA M GATTEN, F/K/A WILMA G KESTNER, A WIDOW ACREAGE: ±55.150000

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: 6,603' TVD 13,323.9'TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

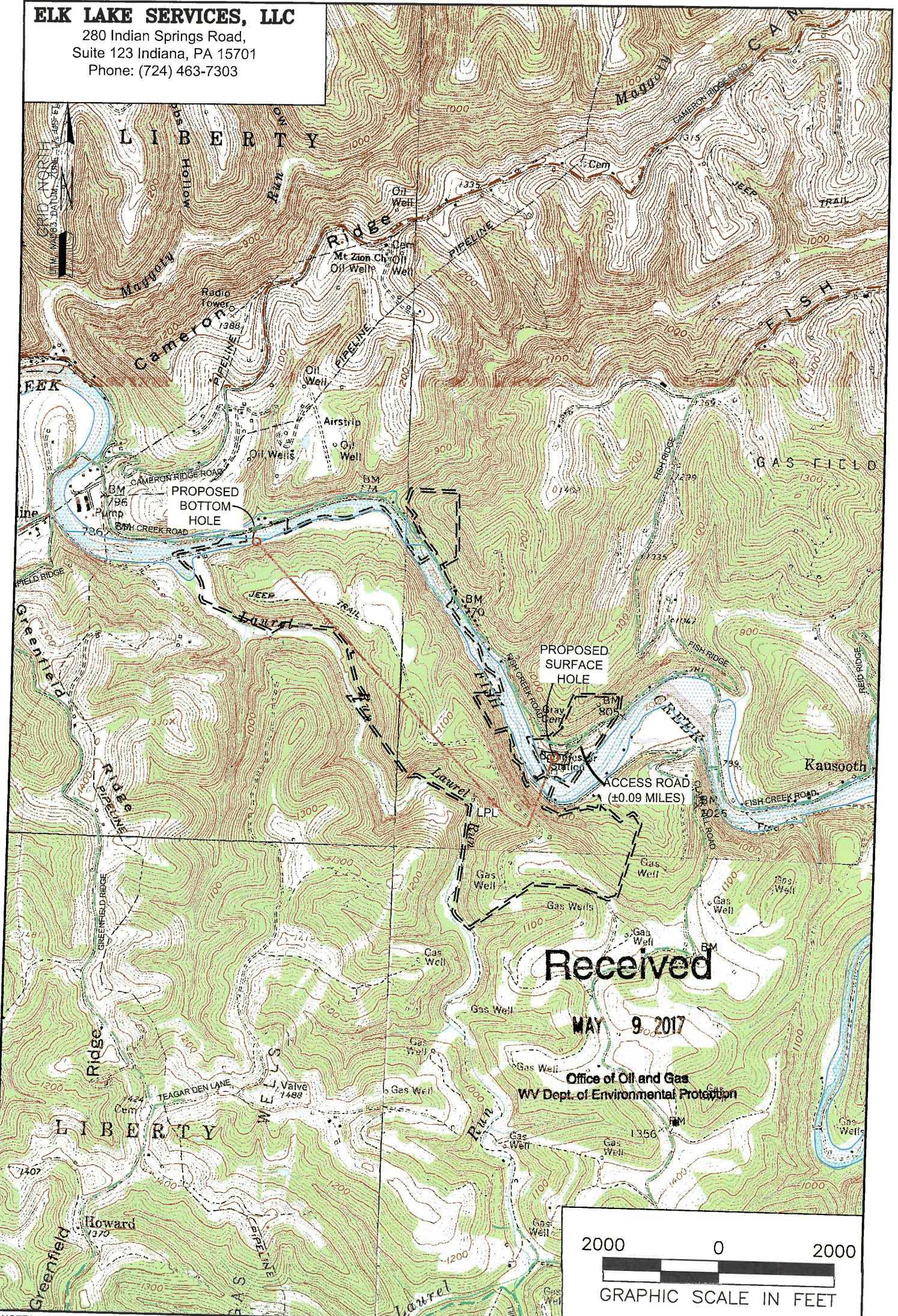
CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

- LEGEND:**
- PROPOSED SURFACE HOLE / BOTTOM HOLE
 - EXISTING / PRODUCING WELLHEAD
 - ABANDONED WELL
 - PLUGGED & ABANDONED WELL
 - LPL* LANDING POINT LOCATION
 - SURVEYED BOUNDARY
 - DRILLING UNIT
 - LEASE BOUNDARY
 - PROPOSED PATH
 - EXISTING WATER WELL
 - EXISTING SPRING

REVISIONS:	
DATE: 05-05-2017	
FILE NO: 16-54	
DRAWN BY: H. JOHN	
SCALE: 1" = 2000'	
DRAWING NO: 1	
WELL LOCATION PLAT 1	

ELK LAKE SERVICES, LLC

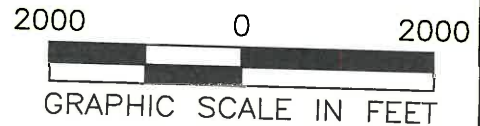
280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303



Received

MAY 9 2017

Office of Oil and Gas
WV Dept. of Environmental Protection



09/01/2017

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

WELL OPERATOR:

SWN PRODUCTION COMPANY, LLC
ADDRESS:
P.O. BOX 1300 JANE LEW, WV 26378

SURFACE OWNER:

COLUMBIA GAS TRANSMISSION, LLC

WELL (FARM) NAME:

COLUMBIA GAS TRANSMISSION MSH

WELL # 1H

SERIAL # XXXX

COUNTY MARSHALL COUNTY - 51

DISTRICT: LIBERTY

USGS 7 1/2 QUADRANGLE MAP NAME

CAMERON, WV