

Latitude: 39°47'30" SURFACE HOLE 8924'

ELK LAKE SERVICES, LLC

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

Latitude: 39°45'00" BOTTOM HOLE

5505'

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,400,581.65
EASTING: 532,974.60

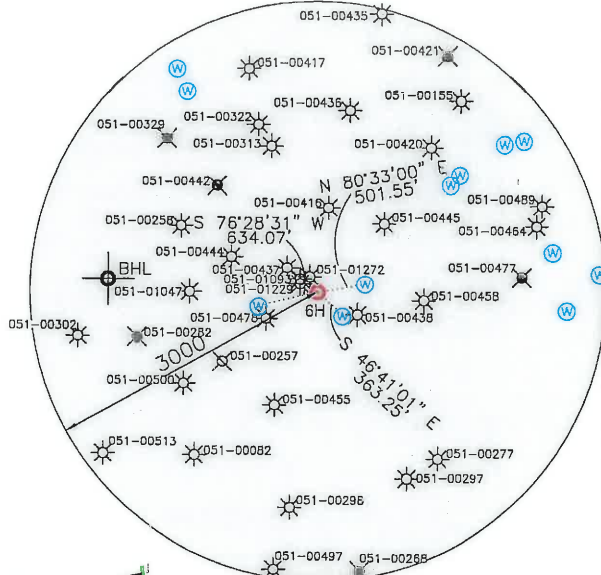
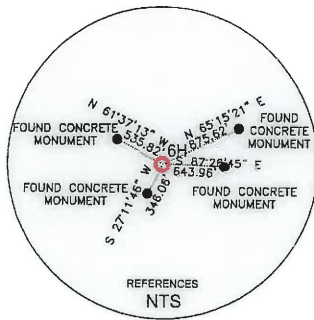
LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,400,240.49
EASTING: 532,692.92

BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,399,039.84
EASTING: 534,023.57

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



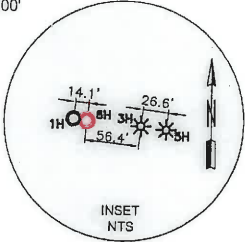
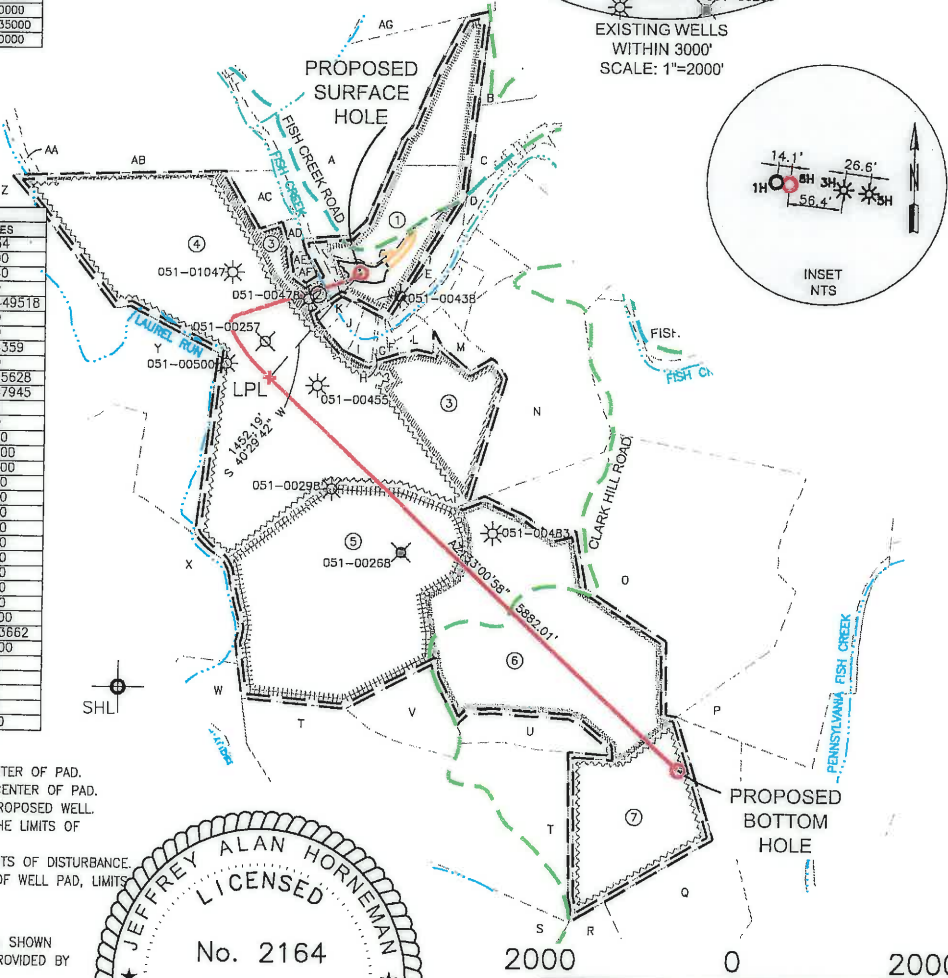
Longitude: 80°35'00" BOTTOM HOLE 3436'

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS

TRACT	SURFACE OWNER (S)/ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	WILMA M GATTEN, F/K/A WILMA G KESTNER, A WIDOW(R)	7-19-10	55.150000
2	CAROLYN JO MORRIS	07-19-5	1.327000
3	MASON DIXON FARMS, LLC	07-19-8.8	60.000000
4	MASON DIXON FARMS, LLC	07-19-1	138.750000
5	JOHN M. & TERESA L. HORNER	07-19-32	90.760000
6	DELORSE A. HORNER, LIFE ESTATE	07-19-30	119.835000
7	JENNIFER L. & VICTOR A. ROMACK	07-19-38	49.610000

ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	MASON DIXON FARMS, LLC	7-18-7	64.7334
B	JOHN DEAN BRIGGS, ET UX	7-16-4	81.2500
C	TAMARA L. CHELETTE	7-16-9	11.2080
D	EDWARD L. GILBERT	7-19-12.1	1.0000
E	MARY ESTHER GRIMM - LIFE	7-19-10.1	4.633449518
F	RODNEY J. WALLACE, ET UX	7-19-40	0.4200
G	WALTER A. GUZEK JR., ET AL	7-19-41	1.5400
H	LAWRENCE PAUL CHAMBERS	7-19-39	0.3788359
I	MICHAEL T. AND CARLA M. WHITEMORE	7-19-8.7	2.4090
J	MASON DIXON FARMS LLC	7-19-6	1.30485628
K	FRANCIS CAROLYN RUTH	7-19-7	2.43447945
L	JEREMIAH MAGERS & ANDREA MAGERS	7-19-9	1.0000
M	JEREMIAH MAGERS & ANDREA MAGERS	7-19-8.1	3.0000
N	JOHN M. AND TERESA L. HORNER	7-19-12	75.0500
O	PEGGY M. GRIBBEN	7-19-29	115.4300
P	PEGGY M. GRIBBEN	7-19-28	112.1600
Q	JAMES E. MORGAN, LIFE ESTATE	7-28-14	73.6600
R	JAMES E. MORGAN, LIFE ESTATE	7-28-4	59.8200
S	JAMES E. MORGAN, LIFE ESTATE	7-28-3	32.2200
T	DONALD Z. ROMACK ET UX	7-19-36	80.0000
U	ROBERT A. & ROSE M. TEDROW	7-19-30.1	10.2400
V	MARY L. CHAMBERS	7-19-31	18.0000
W	LLOYD A. KARR ET UX	7-19-33	18.3000
X	MASON DIXON FARMS, LLC	7-18-7	91.0600
Y	MASON DIXON FARMS, LLC	7-18-6	95.5000
Z	MASON DIXON FARMS, LLC	7-17-36	140.0000
AA	JAMES ROBERT AND TIMOTHY WARREN	7-17-34	4.96033662
AB	MASON DIXON FARMS, LLC	7-17-33	217.0800
AC	MASON DIXON FARMS, LLC	7-19-8.9	6.0700
AD	MICHAEL D. & DONNA D. RICHARDS	7-19-8.2	1.0000
AE	TERESA LYNETTE POPECK	7-19-2	0.5500
AF	MICHAEL D. & DONNA D. RICHARDS	7-19-3	0.5100
AG	JACK J. BRIGGS	7-16-5	37.8800

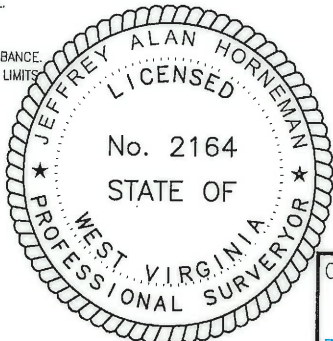


Longitude: 80°35'00" SURFACE HOLE 13,535'

- 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 363 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.

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

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

COMPANY: **SWN** Production Company, LLC

COLUMBIA GAS TRANSMISSION MSH
OPERATOR'S WELL #: 6H
API WELL #: 47 51 01937
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
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: 6,648' TVD 13,052.7' TMD

09/01/2017

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

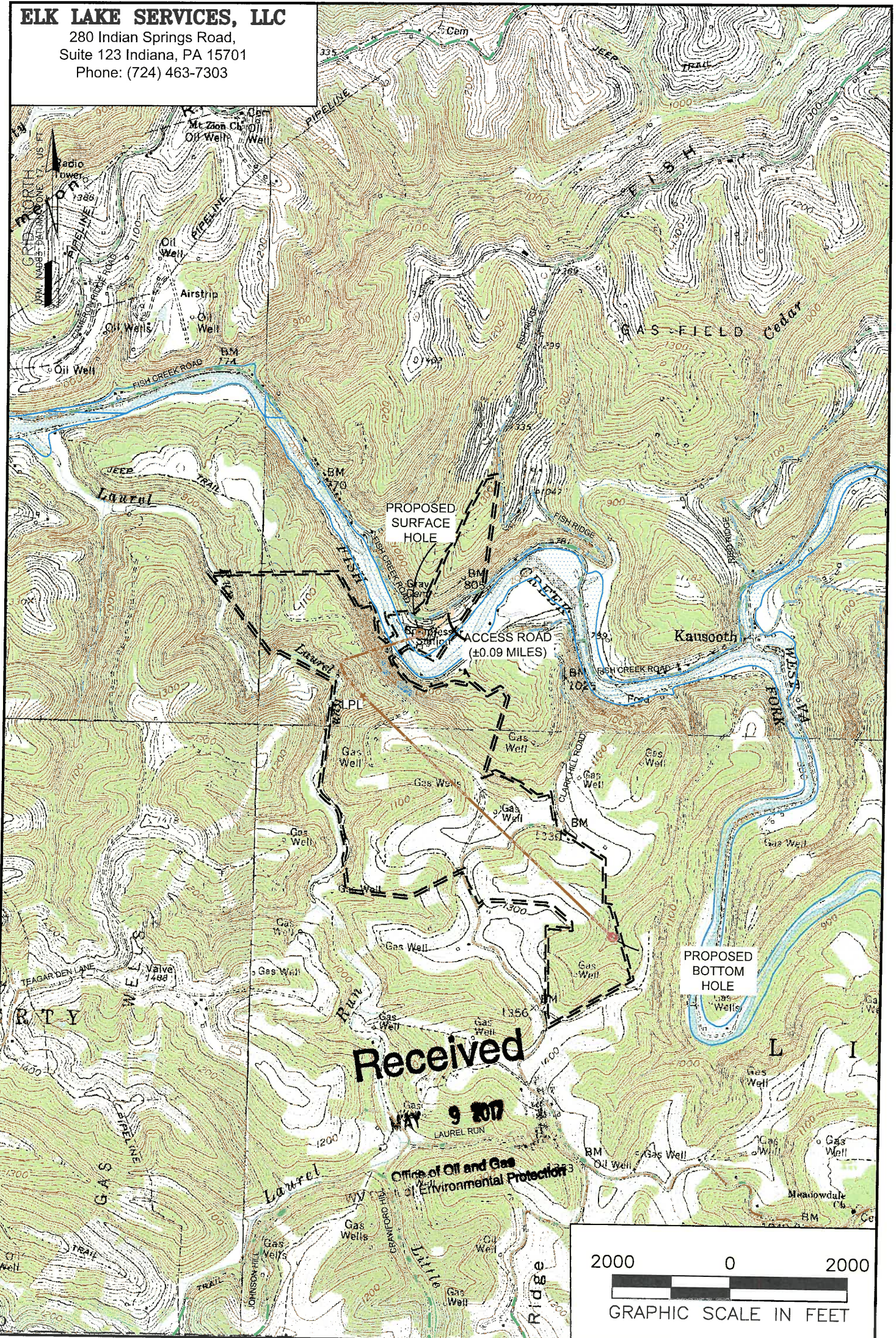
- LEGEND:**
- PROPOSED SURFACE HOLE / BOTTOM HOLE
 - EXISTING / PRODUCING WELLHEAD
 - ABANDONED WELL
 - PLUGGED & ABANDONED WELL
 - L.P.L. LANDING POINT LOCATION
 - SURVEYED BOUNDARY
 - DRILLING UNIT
 - LEASE BOUNDARY
 - PROPOSED PATH
 - EXISTING WATER WELL
 - EXISTING SPRING

REVISIONS:

NO.	DESCRIPTION	DATE
05-05-2017		
16-54		
H. JOHN		
1" = 2000'		
1		
WELL LOCATION PLAT 1		

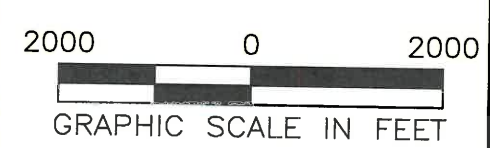
ELK LAKE SERVICES, LLC

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



Received
MAY 9 2017

Office of Oil and Gas
Department of Environmental Protection



NOTES ON SURVEY
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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
 LPLx LANDING POINT LOCATION
 [Blue shaded area] FLOOD PLAN
 [Green line] ACCESS ROAD
 [Dashed line] PUBLIC ROAD
 [Thick black line] ACCESS ROAD TO PREV. SITE
 [Thin black line] LEASE BOUNDARY
 [Red line] 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:	WELL #	SERIAL #
COLUMBIA GAS TRANSMISSION MSH	6H	XXXX
COUNTY	DISTRICT:	
MARSHALL COUNTY - 51	LIBERTY	
USGS 7 1/2 QUADRANGLE MAP NAME		
CAMERON, WV		