

Longitude: 80°32'30"

SURFACE HOLE 8493'

Longitude: 80°32'30"

BOTTOM HOLE 11235'

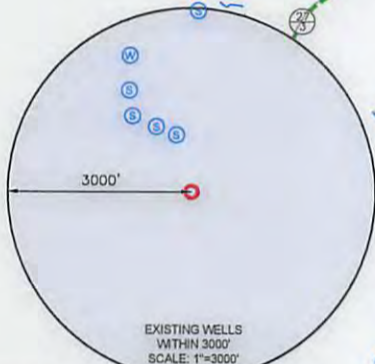
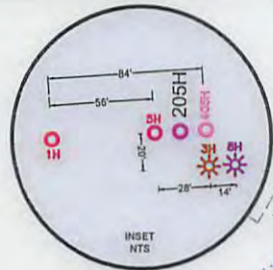
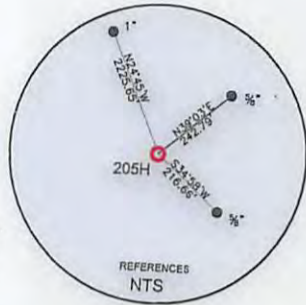
Latitude: 40°15'00" SURFACE HOLE
Latitude: 40°17'30" BOTTOM HOLE



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
600 MARKETPLACE AVENUE, SUITE 200
BRIDGEPORT, WV 26330
304-933-3119

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,455,197.663
EASTING: 536,399.034
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,455,441.004
EASTING: 536,746.122
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,458,002.006
EASTING: 535,545.388

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



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 957 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 800 FEET OF 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. 991

Dennis E. Miller



COMPANY:

SWN

SWN

Production Company, LLC

Production Company™ & Gas



(+) 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)

ALAN H. DEGARMO BRK
OPERATOR'S WELL #: 205H
API WELL #: 47 009 00191H6A
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1204.0
DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY
SURFACE OWNER: ALAN H. DEGARMO & MARY KAY DEGARMO, LIFE ESTATE ACREAGE: 140.97±
OIL & GAS ROYALTY OWNER: ALAN H. DEGARMO ACREAGE: 140.97±

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY)

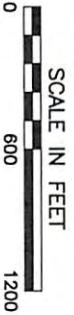
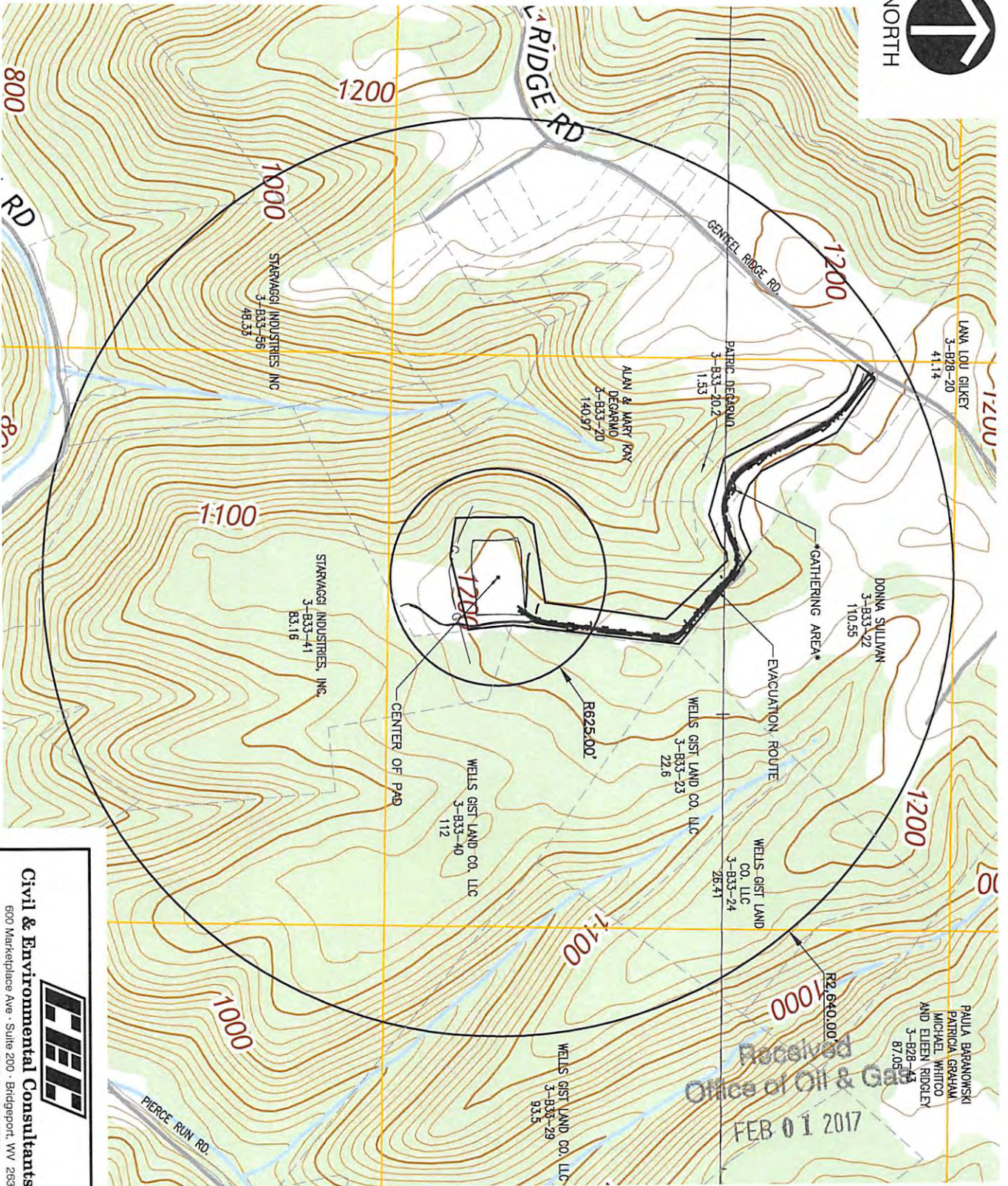
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,921 TVD 15,783 TMD

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	SURVEYED BOUNDARY
EXISTING / PRODUCING WELLHEAD	DRILLING UNIT	LEASE BOUNDARY
LPL	EXISTING WATER WELL	PROPOSED PATH
EXISTING SPRING		

REVISIONS:	DATE: 01-20-2017
	DRAWN BY: D. MILLER
	SCALE: 1" = 2000'
	DRAWING NO: XXXXX
	WELL LOCATION PLAT

06/02/2017



Received
Office of Oil & Gas
FEB 01 2017

06/02/2017

SITE LOCATIONS	NAD 83	
	WEST VIRGINIA NORTH ZONE LATITUDE	LONGITUDE
BEGINNING OF MAIN ACCESS ROAD	40.252258	-80.576422
MAIN ACCESS ROAD AT PAD	40.246810	-80.571468
CENTER OF PAD	40.246405	-80.572168
GATHERING AREA	40.240110	-80.574008

SWM
Southwestern Energy®

Civil & Environmental Consultants, Inc.
600 Marketplace Ave - Suite 200 - Bridgeport, WV 26330
Ph: 304.933.3119 - Fax: 304.933.3327
www.cecninc.com

SOUTHWESTERN PRODUCTION COMPANY
DEGARMO WELL PAD
BUFFALO DISTRICT
BROOKE COUNTY, WEST VIRGINIA
DEGARMO
RECLAMATION AS-BUILT

DRAWN BY: DBS CHECKED BY: LM APPROVED BY: LM
DATE: JAN, 2017 DWG SCALE: 1"=600' PROJECT NO: 164-764 FIGURE NO: EP2.1