

LATITUDE 39°17'30"

# GOFF LEASE WELL NO. 19 HM

LONGITUDE 80°22'30"  
5.094'

<b>WELL NO. 19 HM TOP HOLE</b> STATE PLANE COORDINATES (NORTH ZONE NAD 27) N. 284,455 E. 1,752,136 TOP HOLE (NAD 27) LAT=(N) 39°16'39.6" LONG=(W) 80°22'32.1" TOP HOLE (NAD 83) LAT=(N) 39°16'40.0" LONG=(W) 80°22'31.4" TOP HOLE UTM (NAD 83) (N) 4,347,788 (E) 553,874
<b>WELL NO. 19 HM LANDING POINT</b> STATE PLANE COORDINATES (NORTH ZONE NAD 27) N. 283,350 E. 1,753,319 LANDING POINT (NAD 27) LAT=(N) 39°16'28.8" LONG=(W) 80°22'16.9" LANDING POINT (NAD 83) LAT=(N) 39°16'29.2" LONG=(W) 80°22'16.2" LANDING POINT UTM (NAD 83) (N) 4,347,457 (E) 554,239
<b>WELL NO. 19 HM BOTTOM HOLE</b> STATE PLANE COORDINATES (NORTH ZONE NAD 27) N. 288,262 E. 1,751,585 BOTTOM HOLE (NAD 27) LAT=(N) 39°17'17.2" LONG=(W) 80°22'39.6" BOTTOM HOLE (NAD 83) LAT=(N) 39°17'17.5" LONG=(W) 80°22'38.9" BOTTOM HOLE UTM (NAD 83) (N) 4,348,945 (E) 553,686

## REFERENCES



## NOTES ON SURVEY

1. TIES TO WELLS, REFERENCES, AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD 27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 70 PAGE 152 AND ADJOINING DEEDS.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN JULY, 2013.
4. WELL COORDINATES ESTABLISHED BY DGPS(SURVEY GRADE).
5. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.



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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. *[Signature]*  
2266



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE APRIL 16, 20 14  
 OPERATORS WELL NO. GOFF 19HM  
 API WELL NO. 47 - 33 - 05822  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 8099P19R(475-70)  
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 2,000'

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

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

LOCATION: GROUND  PROPOSED  ELEVATION 1127.30' 1126.30' WATERSHED WEST FORK RIVER

DISTRICT CLARK COUNTY HARRISON QUADRANGLE WOLF SUMMIT 7.5'

SURFACE OWNER H. DOTSON CATHER TRUSTEE ACREAGE 404.34±

ROYALTY OWNER H. DOTSON CATHER TRUSTEE ETAL ACREAGE 1087, 49.25, 12,975, 325, & 20.1±

PROPOSED WORK: LEASE NO. 80300, WV100119, ANTERO(TM 306 P 29), ANTERO(TM 306 P 25, 26, & 28 & TM 1124 P 3.1), ANTERO(TM 306 P 18 & 19)

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD

FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

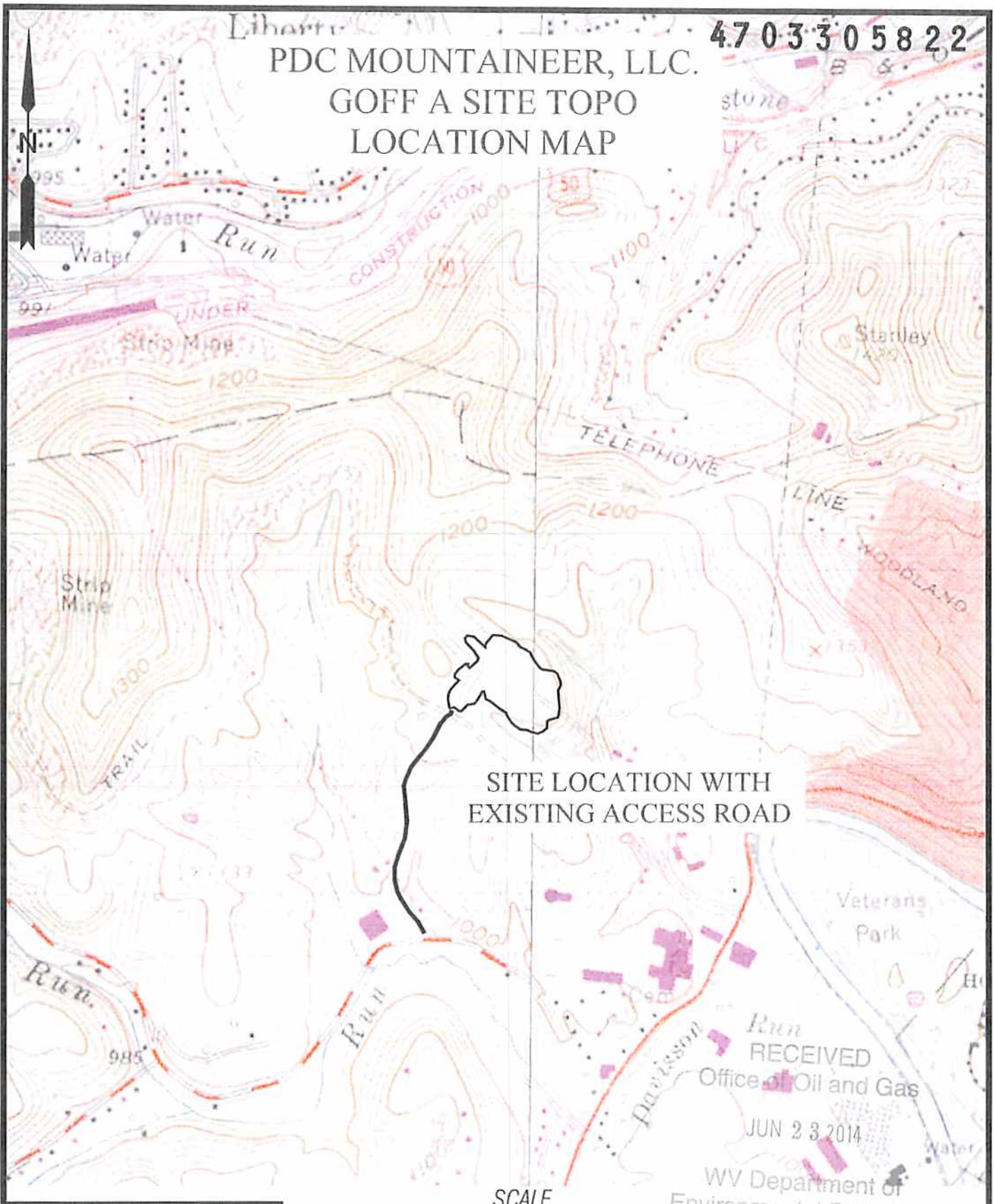
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
 ESTIMATED DEPTH 7,089' TVD / TMD 14,163'

WELL OPERATOR PDC MOUNTAINEER, LLC DESIGNATED AGENT STEVEN P. JOHNSON  
 ADDRESS 120 GENESIS BOULEVARD ADDRESS 120 GENESIS BOULEVARD  
BRIDGEPORT, WV 26330 BRIDGEPORT, WV 26330

10/17/2014

4703305822

# PDC MOUNTAINEER, LLC. GOFF A SITE TOPO LOCATION MAP



SITE LOCATION WITH  
EXISTING ACCESS ROAD

RECEIVED  
Office of Oil and Gas  
JUN 23 2014  
WV Department of  
Environmental Protection

SCALE  
1 INCH = 1000 FEET

0' 1000' 2000' 3000'



**Professional Energy Consultants**  
A DIVISION OF SOUTH LAND SURVEYING

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Honesty. Integrity. Quality.

FILE NO. 8099	DATE 1/9/14	CADD FILE: 8099LOCATIONMAP.dwg
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