

GOFF LEASE 1,088 ACRES± WELL NO. GOFF 9HM(REVISED) 47-033-5480

WELL NO. 9HM BEND POINT STATE PLANE COORDINATES (NORTH ZONE NAD 27)	
N. 285,974	E. 1,749,402
BEND POINT (NAD'27)	
LAT=(N) 39°16'54.4"	LONG=(W) 80°23'07.1"
BEND POINT (NAD'83)	
LAT=(N) 39°16'54.7"	LONG=(W) 80°23'06.4"
BEND POINT UTM (NAD'83)	
N. 4,348,237	E. 553,033

LATITUDE 39° 17' 30"
LONGITUDE 80° 22' 30"

05/31/2019

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, 2009
4. WELL COORDINATES ESTABLISHED BY DGPS(SURVEY GRADE).
5. PLAT UPDATED 07-26-17 TO SHOW AS DRILLED DATA PROVIDED BY ARSENAL RESOURCES.

WELL NO. 9HM(REVISED) TOP HOLE STATE PLANE COORDINATES (NORTH ZONE NAD 27)	
N. 286,213	E. 1,749,931
TOP HOLE (NAD'27)	
LAT=(N) 39°16'56.8"	LONG=(W) 80°23'00.4"
TOP HOLE (NAD'83)	
LAT=(N) 39°16'57.1"	LONG=(W) 80°23'00.4"
TOP HOLE UTM (NAD'83)	
N. 4,348,312	E. 553,193
WELL NO. 9HM BOTTOM HOLE STATE PLANE COORDINATES (NORTH ZONE NAD 27)	
N. 281,100	E. 1,750,261
BOTTOM HOLE (NAD'27)	
LAT=(N) 39°16'06.3"	LONG=(W) 80°22'55.5"
BOTTOM HOLE (NAD'83)	
LAT=(N) 39°16'06.6"	LONG=(W) 80°22'54.9"
BOTTOM HOLE UTM (NAD'83)	
N. 4,346,756	E. 553,319

NORTH



LEGEND	
AS DRILLED	—
PROPOSED	- - - -

AS DRILLED COORDINATES FOR WELL NO. 9HM			
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)			
NAD27 S.P.C. (FT)	N. 286,213	E. 1,749,931	
NAD27 GEO.	LAT=(N) 39°16'56.8"	LONG=(W) 80°23'00.4"	
NAD83 GEO.	LAT=(N) 39°16'57.1"	LONG=(W) 80°22'59.7"	
NAD83 UTM (M)	N. 4,348,312	E. 553,193	
BOTTOM HOLE			
NAD27 S.P.C. (FT)	N. 281,100	E. 1,750,261	
NAD27 GEO.	LAT=(N) 39°16'06.3"	LONG=(W) 80°22'55.5"	
NAD83 GEO.	LAT=(N) 39°16'06.6"	LONG=(W) 80°22'54.9"	
NAD83 UTM (M)	N. 4,346,756	E. 553,319	

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. 677
Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE AUGUST 18, 2010
REVISED 11/02/10, 07/26/17
OPERATORS WELL NO. GOFF NO. 9HM(REVISED)
API WELL NO. 47-033-05480
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8705P9HMAD
PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE) SCALE 1" = 1000'

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

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

LOCATION: ELEVATION 1,290' WATERSHED DAVISSON RUN
DISTRICT COAL COUNTY HARRISON QUADRANGLE WOLF SUMMIT 7.5'

SURFACE OWNER H. DOTSON CATHER, TRUSTEE ACREAGE 404.34±
ROYALTY OWNER H. DOTSON CATHER, TRUSTEE LEASE ACREAGE 1,088±

PROPOSED WORK: LEASE NO. _____
DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD
FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS SHALE
ESTIMATED DEPTH 7,160' TVD/ 12,800' MD

WELL OPERATOR PDC MOUNTAINEER, LLC DESIGNATED AGENT GARY W. FRIDLEY
ADDRESS 120 GENESIS BOULEVARD BRIDGEPORT, WV 26330 ADDRESS 120 GENESIS BOULEVARD BRIDGEPORT, WV 26330

COUNTY NAME PERMIT