

West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

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_{API:} 47-017-06457	<u>well no.</u> : O	XFD13BHS	
FARM NAME: Morris, I L			
RESPONSIBLE PARTY NAME: Anter	o Resources C	Corporation	
COUNTY: Doddridge	district: Sou	ıthwest	
QUADRANGLE: New Milton			
SURFACE OWNER: I L MORRIS			
ROYALTY OWNER: N/A			
UTM GPS NORTHING: 4335536.15	5 m	(1152,45)	
UTM GPS EASTING: 521793.06 m	GPS ELEVATI	_{ON:} 351.3 m	
preparing a new well location plat for a pluggi above well. The Office of Oil and Gas will not the following requirements: 1. Datum: NAD 1983, Zone: 17 North	accept GPS coordinate 1, Coordinate Units: me	s that do not meet	
height above mean sea level (MSL) 2. Accuracy to Datum – 3.05 meters) — meters.	D.F.	OEN/ED
3. Data Collection Method:		Office of	CEIVED f Oil and Gas
Survey grade GPS × : Post Processed D	ifferential	MAD	2 4 2020
Real-Time Differ	<u> </u>		
Mapping Grade GPS X : Post Processed	d Differential	WV De Environm	epartment of ental Protection
Real-Time Di	fferential X		
4. Letter size copy of the topograph. I the undersigned, hereby certify this data is cobelief and shows all the information required by prescribed by the Office of Oil and Gas.	errect to the best of my k	mowledge and	
	litting agent	3.9.20	
Signature	Title	Date	

PERMITTED BOTTOM HOLE LOCATION (BHL) There are no water wells or developed springs within 250 of proposed well.

Proposed well is greater than 100' from perennial stream, we -AZ:340'00'14" UTM 17-NAD83 N:4339040.88 1702271 E:520296.73 pond, reservoir or lake. NAD27, W NORTH N:257590.000 There are no native trout streams within 300' of proposed well. Proposed well is greater than 1000' from surface/groundwater E:1641476.000 intake or public water supply.

It is not the purpose or intention of this plat to represent surveye locations of the surface or mineral parcets depicted hereon. The 1701847 LON:-80.765114 location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless BEARING S 57'18'59" W N 37'50'08" W WELL OXFD13BHS The center of pad is less than 625' from a dwelling. Coordinates of As-Drilled locations are based on survey by Kelly Surveying, and drill logs provided by Antero Resources, BMI take N 47'48'36" E 1702563 * 1704352 702259 99 1701767 1704664 N 48'06'19" W 1704287 topo PERMITED AS DRUTED 1706125 1706122 1700733 1706040 BOTTOM HOLE LOCATION (BHL) UTM 17-NAD83 N:4337098.71 E:521031.46 map AS DRILLED APPROX. POINT OF ENTRY (POE) 170435 1704320 APPROX. POINT OF ENTRY (POE) 1706124 NAD27, WV NORTH N:251176,360 UTM 17-NAD83 N:4335691.67 1,840 E:1643780.740 E:521579.16 NAD27, W NORTH N:246529.000 E:1645501.000 E:521586.82 LAT/LON DATUM-NAD27 LAT:39.182786 LON:-80.756667 NAD27, WV NORTH N:246448.991 E:1645524.821 1704354 1706242 1704319 1704357 <u>LAT/LON_DATUM-NAD27</u> LAT:39.169875 LAT/LON DATUM-NAD27 LAT:39.170094 702262 LON:-80.750369 LEGEND west \mathbf{H} - TOPO MAP POINT 1702261 1705741 1704356 1705730 - WELL 9 9 ALL ARE POINTS UNLESS OTHERWISE NOTED: 0 Longit 1704730 1705732 PERMITIED 1705072 - LESSORS - SURFACE OWNERS tude: WATER SOURCE PERMITTED MINERAL TRACT 1705740 1702267 SURFACE HOLE LOCATION (SHL) BOUNDARY UTM 17-NAD83 N:4335536.00 E:521793.00 - LEASE BOUNDARY 80 - PARCEL LINES 1702266 (G) 1705073 (A) AS DRILLED 1705077 NAD27, W NORTH N:246006.438 WELL REFERENCE 42 45 1705735 --PROPOSED HORIZONTAL WELL (D)= 1705729 E:1646194.212 LAT/LON DATUM-NAD27 LAT:39.168686 1702264 30 - AS DRILLED APPROXIMATE POINT OF ENTRY LON:-80.747899 - ROAD 1705709 AS DRILLED STREAM CENTER LINE 1700761 SURFACE HOLE LOCATION (SHL) GAS WELLS 705735WELL 1705158 UTM 17-NAD83 N:4335536.15 E:521793.06 - EXISTING WELLS OXFD13BHS PLUGGED WELLS EXISTING 1702265 DWELLINGS N:246006.906 E:1646194.409 1705159 A Blue Mountain Inc. 1705160 LON:-80.74.

LON:-1703625 10125 MASON DIXON HIGHWAY BURTON, WV 26562 PHONE: (304) 662-6486 1702198 I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS FILE #: OXFD13BHS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY DRAWING #: OXFD13BHS LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY 1" = 2000' THE DEPARTMENT OF ENVIRONMENTAL PROTECTION. STATE OF PLACE SEAL HERE MINIMUM DEGREE Signed: OF ACCURACY: 1/2500 PROVEN SOURCE U.S.G.S. MONUMENT THOMAS 1498.81' L.L.S.: P.S. No. 2000 R.P.E.: (+) DENOTES LOCATION OF WELL ON FEBRUARY 05, 2018 DATE: UNITED STATES TOPOGRAPHIC MAPS WVDEP OXFD13BHS OPERATOR'S WELL#: OFFICE OF OIL & GAS 601 57TH STREET 47 17 06457 CHARLESTON, WV 25304 STATE COUNTY PERMIT Well Type: Oil Waste Disposal X Production Deep X Shallow Storage X Gas Liquid Injection 1,152.4 SOUTH FORK HUGHES RIVER ELEVATION: WATERSHED: QUADRANGLE: NEW MILTON, WV 7.5' (SHL) & OXFORD, WV 7.5' (BHL) DODDRIDGE / SOUTHWEST COUNTY/DISTRICT: I. L. (IKE) MORRIS 6603.75± SURFACE OWNER: ACREAGE: ACREAGE: 1427±, 236±, 417±, & 340± OIL & GAS ROYALTY OWNER: S. W. STOUT ET AL & SUSAN V. DRENNAN, ET VIR, ET AL DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY): ESTIMATED DEPTH: TVD: 6,764'± TMD: 12,414'± TARGET FORMATION: MARCELLUS DESIGNATED AGENT DIANNA STAMPER-CT CORPORATION SYSTEM WELL OPERATOR ANTERO RESOURCES CORPORATION 1615 WYNKOOP STREET 5400 D BIG TYLER ROAD CHARLESTON DENVER Zip Code 80202 City State Zip Code 25313 State

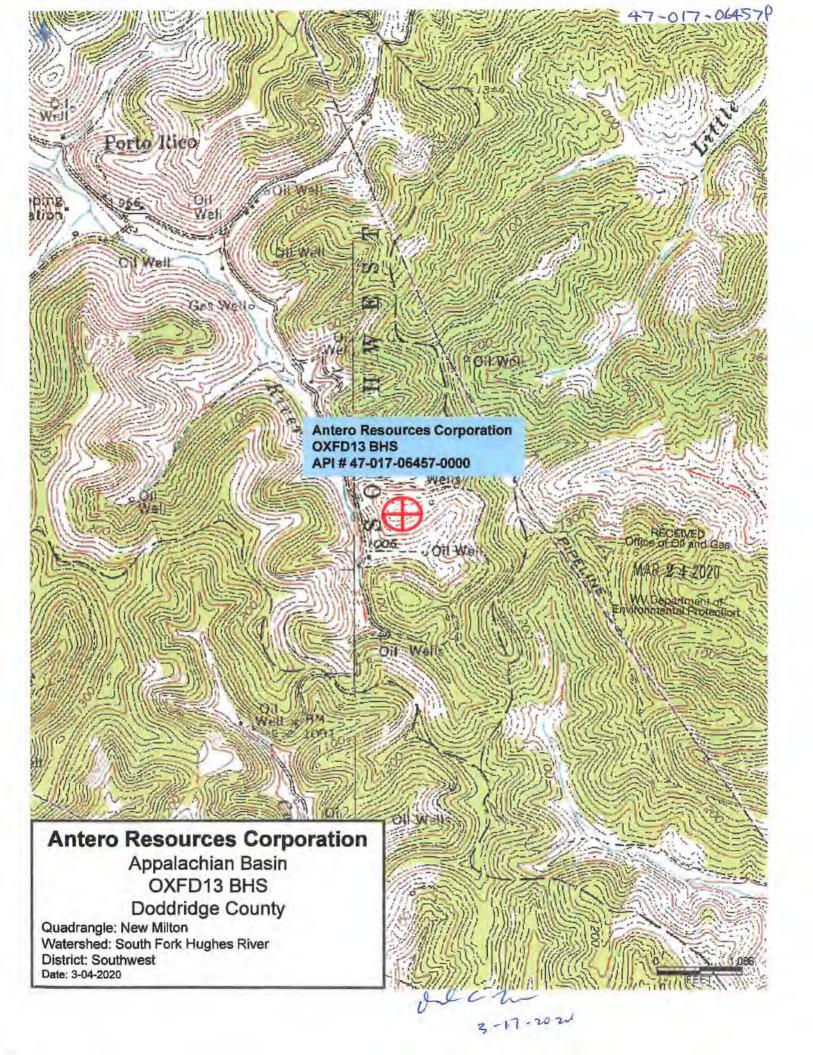
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OXFD13BHS PAGE 2 OF 2

	SURFACE OWNER	DIST-TM/PAR
Α	I. L. (IKE) MORRIS	7-10/2
В	JERRY L. & SHARON LEGGETT (SURV)	7-15/3.1
С	TYLER GARRETT BUNTING C/O LENORA BUNTING	7-15/1
D	JEFFREY LYNN & LINEY ELAINE MCKINNEY (SURV)	7-15/1.1
E	LINEY MCKINNEY	7-15/1.6
F	MARIE E. HYDE & RICHARD A. BAKER (SURV)	7-15/1.5
G	KEVIN L. & TERESA A. MULLEN (SURV)	7-15/1.3
Н	KEVIN L. & TERESA A. MULLEN (SURV)	
J	ROBERT K. SWIGER	7-15/1.4
K	WILLIAM L. JONES TRUST C/O ROBERT K. SWIGER (TRUSTEE)	7-11/8
L	ROBERT K. SWIGER	7-11/7
М	MAY REVOCABLE TRUST-EXEMPTION TRUST 1/2 INT. SUSAN V. DRENNAN 1/2 INT.	7-11/5

PARCEL	LESSOR
1,3,4, 5,7&8	S.W. STOUT ET AL
9	SUSAN V. DRENNAN, ET AL

PERMITTED
SURFACE HOLE LOCATION (SHL)
UTM 17-NADB3
N:4335536.00
E:521793.00
NAD27, WV NORTH
N:246006.438
E:1646194.212
LAT/LON DATUM-NAD27
LAT:39.168686
LON:-80.747899

APPROX. POINT OF ENTRY (POE)

UTM 17—NAD83
N:4335691.67
E:521579.16
NAD27, WV NORTH
N:246529.000
E:1645501.000
LAT/LON DATUM-NAD27
LAT:39.170094
LON:—80.750369

PERMITTED

PERMITTED
BOTTOM HOLE LOCATION (BHL)
UTM. 17—NAD8.3
N:43.390.40.88
E:520296.73
NAD27, WV NORTH
N:257590.000
E:1641476.000
LAT/LON DATUM-NAD27
LAT:39.2003.06
LON:-80.765114

AS DRILED
SURFACE HOLE LOCATION (SHL)

UTM 17—NAD83
N:4335536.15
E:521793.06
NAD27. WY NORTH
N:246006.906
E:1646194.409
LAT/LON DATUM—NAD27
LAT:39.168687
LON:—80.747899

AS DRILED
APPROX. POINT OF BITITY (POE)

UTM 17—NAD83
N:4335667.42
E:521586.82
NAD27. WY NORTH
N:246448.991
E:1645524.821
LAT/ION DATUM—NAD27
LAT;39.169875
LON:-80.750281

AS DRILLED
BOTTOM HOLE LOCATION (BH.)

UTM 17-NAD83
N:4337098.71
E:521031.46
NAD27. WY NORTH
N:251176.360
E:1643780.740
LAT/LON DATUM-NAD27
LAT:39.182786
LON:-80.756667

FEBRUARY 05, 2018

