

Anderson Corporate Park II, Suite 101
7000 Georgetown Drive
Sewards, VA 24154

P: 224-444-1100
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www.pveinc.com

Civil Engineering | Land Development | Structural Design
Land Planning | Landscape Architecture | Environmental

FILE #: MND11 N-3H

DRAWING #: MND11 N-3H

SCALE: 1"=2000'

MINIMUM DEGREE OF ACCURACY: 1/2500

PROVEN SOURCE: U.S.G.S. MONUMENT
OF ELEVATION: H 138: 638.58'

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION.

SIGNED: _____

R.P.E.: _____ L.L.S.: P.S. NO. 2269



(1) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25304

Well Type: Oil Waste Disposal Production Deep Gas Liquid Injection Storage Shallow

WATERSHED: SHORT CREEK-OHIO RIVER

COUNTY/DISTRICT: MARSHALL / FRANKLIN

SURFACE OWNER: HG ENERGY II APPALACHIA, LLC

OIL & GAS ROYALTY OWNER: CNX GAS COMPANY

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

TARGET FORMATION: POINT PLEASANT / MARCELLUS

WELL OPERATOR: HG ENERGY II APPALACHIA, LLC

Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101

DATE: MARCH 7, 2019 Rev. JUNE 12, 2019

OPERATOR'S WELL #: MND11 N-3H

API WELL # 47 51 03317 869

STATE COUNTY PERMIT

ELEVATION: 1,234'

QUADRANGLE: POWHATAN POINT, W. VA./OHIO

ACREAGE: 126.6

ACREAGE: 126.6

ESTIMATED DEPTH: TVD: 6,535' ± TMD: 15,294' ±

DESIGNATED AGENT: DIANE C. WHITE

Address: 5260 DUPONT ROAD

City PARKERSBURG State WV Zip Code 26101

NOTES:

1. There are no water wells or developed springs within 250' of proposed well
2. There are no existing buildings within 625' of proposed well
3. Proposed well is greater than 100' from perennial stream, wetland, pond, reservoir or lake.
4. There are no native trout streams within 300' of proposed well
5. Proposed well is greater than 1000' from surface/groundwater intake or public water supply
6. It is not the purpose or intention of this plat to represent surveyed locations of the surface or mineral parcels depicted hereon. The location of the boundary lines, as shown, are based on record deed descriptions, field evidence found and/or tax map position, unless otherwise noted.

Bottom Hole is located on topo map 13,923 feet south of Latitude: 39° 52' 30"

Well is located on topo map 5,887 feet south of Latitude: 39° 50' 00"

Bottom Hole is located on topo map 6,622 feet west of Longitude: 80° 45' 00"
 Well is located on topo map 3,628 feet west of Longitude: 80° 45' 00"

SURFACE HOLE LOCATION (SHL)

UTM 17 - NAD83(m)
 N: 4407492.60
 E: 520292.40
 UTM 17 - NAD83(ft)
 N: 14460248.73
 E: 1706992.52
 LAT/LON DATUM-NAD83
 LAT: 39.817175
 LON: -80.762904



APPROX. LANDING POINT

UTM 17 - NAD83(m)
 N: 4407718.50
 E: 520809.20
 UTM 17 - NAD83(ft)
 N: 14460983.11
 E: 1708888.16
 LAT/LON DATUM-NAD83
 LAT: 39.819179
 LON: -80.756858

BOTTOM HOLE LOCATION

UTM 17 - NAD83(m)
 N: 4409666.30
 E: 519373.90
 UTM 17 - NAD83(ft)
 N: 14467380.16
 E: 1703979.20
 LAT/LON DATUM-NAD83
 LAT: 39.836781
 LON: -80.773571



| LEGEND | |
|--------|--|
| | PROPOSED SURFACE HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP |
| | PROPOSED BOTTOM HOLE LOCATION ON 7.5' TOPOGRAPHIC MAP |

Vertical Control: NAD 83
 2000 Geopositioning Units
 Accuracy: 1/1000

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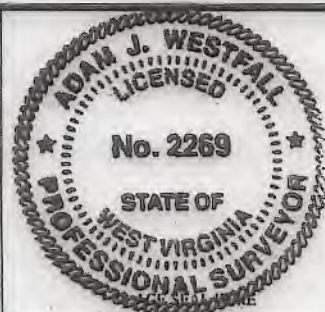
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API WELL # 47 51 02217 46A
 STATE COUNTY PERMIT

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 Gas Liquid Injection Storage Shallow

PAGE: 2 OF 4

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| | | |
|-----|-------------------------------------|------------------------------------|
| 167 | WEST WAYNE L. JR. ET. UX. | TAX MAP NO. 05-0004-0013-0001-0000 |
| 168 | MCCLINTOCK DALE ET. UX. | TAX MAP NO. 05-0004-0013-0000-0000 |
| 169 | FRANKLIN REAL ESTATE CO. | TAX MAP NO. 05-0004-0015-0000-0000 |
| 170 | FRANKLIN REAL ESTATE CO. | TAX MAP NO. 05-0004-0001-0000-0000 |
| 171 | AEP GENERATION RESOURCES INC. | TAX MAP NO. 05-0002-0013-0005-0000 |
| 172 | TEXAS EASTERN TRANSMISSION | TAX MAP NO. 05-0002-0013-0000-0000 |
| 173 | FASOULETOS ANDREW M. ET. AL. | TAX MAP NO. 05-0002-0009-0000-0000 |
| 182 | FRANKLIN REAL ESTATE CO. | TAX MAP NO. 05-0005-0012-0000-0000 |
| 183 | FRANKLIN REAL ESTATE CO. | TAX MAP NO. 05-0005-0011-0000-0000 |
| 184 | CONSOLIDATION COAL COMPANY, ET. AL. | TAX MAP NO. 05-0002-0012-0000-0000 |
| 185 | HARTLEY PEGGY S. | TAX MAP NO. 05-0002-0013-0004-0000 |
| 186 | POTTS JAMES D. ET. UX. | TAX MAP NO. 05-0002-0011-0000-0000 |
| 187 | HEATHERINGTON ARDEN RAY | TAX MAP NO. 05-0002-0013-0002-0000 |
| 188 | POTTS JAMES D. ET. UX. | TAX MAP NO. 05-0002-0010-0000-0000 |
| 192 | BARNHART THOMAS K. ET. UX. | TAX MAP NO. 05-0002-0008-0000-0000 |
| 193 | CONSOLIDATION COAL COMPANY, ET. AL. | TAX MAP NO. 05-0002-0005-0000-0000 |
| 197 | AEP GENERATION RESOURCES INC. | TAX MAP NO. 05-0004-0002-0000-0000 |
| 198 | SOUTHERN COUNTRY FARMS INC. | TAX MAP NO. 05-0004-0003-0000-0000 |
| 220 | MORRIS FRED H. ET. UX. | TAX MAP NO. 05-0004-0009-0000-0000 |
| 221 | DIMITRO JAMES D. | TAX MAP NO. 05-0004-0010-0000-0000 |
| 222 | DIMITRO JAMES D. | TAX MAP NO. 05-0004-0011-0001-0000 |
| 223 | DIMITRO JAMES D. | TAX MAP NO. 05-0004-0012-0000-0000 |
| 300 | OHIO POWER CO. | TAX MAP NO. 05-0006-0003-0000-0000 |
| 318 | CONSOLIDATION COAL COMPANY | TAX MAP NO. 05-0005-0002-0000-0000 |
| 320 | SANCHEZ GENEVA BASSETT | TAX MAP NO. 05-0005-0004-0000-0000 |
| 322 | ROBBINS JAMES E & DIANA C. | TAX MAP NO. 05-0005-0005-0000-0000 |
| 323 | MCGINNIS TIMOTHY L. SR. ET. UX. | TAX MAP NO. 05-0003-0003-0001-0000 |
| 324 | OHIO POWER CO. | TAX MAP NO. 05-0005-0006-0000-0000 |
| 325 | FRANKLIN REAL ESTATE CO. | TAX MAP NO. 05-0005-0007-0000-0000 |
| 326 | FRANKLIN REAL ESTATE CO. | TAX MAP NO. 05-0005-0008-0000-0000 |
| 327 | FRANKLIN REAL ESTATE CO. | TAX MAP NO. 05-0005-0009-0000-0000 |
| 329 | MCLEROY COAL COMPANY | TAX MAP NO. 05-0005-0009-0001-0000 |
| 330 | HEATHERINGTON ARDEN RAY. | TAX MAP NO. 05-0002-0013-0001-0000 |
| 331 | GATTS RICHARD L. | TAX MAP NO. 05-0008-0005-0000-0000 |
| 332 | MILLER EDWIN C. | TAX MAP NO. 05-0008-0007-0000-0000 |
| 333 | GATTS RICHARD L. | TAX MAP NO. 05-0005-0008-0000-0000 |
| 362 | CLARK BEVERLY E. | TAX MAP NO. 05-0009-0001-0001-0000 |
| 363 | RUCKMAN SHELDON R. ET. AL. | TAX MAP NO. 05-0009-0001-0004-0000 |
| 362 | RUCKMAN MARVIN E. ET. UX. | TAX MAP NO. 05-0009-0001-0003-0000 |
| 383 | MAXWELL WILLIAM L. SR. ET. UX. | TAX MAP NO. 05-0004-0018-0000-0000 |
| 384 | HOLMAN TERRY L. | TAX MAP NO. 05-0004-0016-0000-0000 |
| 385 | RUCKMAN MARVIN E. | TAX MAP NO. 05-0009-0001-0002-0000 |
| 386 | MAXWELL WILLIAM JR. | TAX MAP NO. 05-0004-0019-0000-0000 |
| 387 | HOLMAN TERRY L. | TAX MAP NO. 05-0004-0017-0000-0000 |
| 388 | HOLSTINE BERNARD W. & ROXANN L. | TAX MAP NO. 05-0004-0014-0000-0000 |
| 389 | HOLSTINE BERNARD W. & ROXANN L. | TAX MAP NO. 05-0004-0014-0002-0000 |
| 390 | LEGG JAMES R. EST. | TAX MAP NO. 05-0009-0003-0000-0000 |
| 391 | MCCLINTOCK DALE EDWARD | TAX MAP NO. 05-0009-0006-0000-0000 |
| 392 | RUCKMAN JESSIE GLADYS - LIFE | TAX MAP NO. 05-0009-0001-0000-0000 |
| 393 | LEGG JEFFERY L. | TAX MAP NO. 05-0009-0002-0001-0000 |
| 394 | ANDERSON RHONDA MARIE | TAX MAP NO. 05-0004-0014-0001-0000 |

Westmont Corporate Park III, Suite 133
2000 Georgetown, D.W.
Seawoody, PA 15143

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| LEGEND | |
|--------|---|
| 100 | REFERENCE NUMBER FOR SURFACE PARCEL OWNERSHIP |

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