

**HG Energy II Appalachia, LLC**  
**As-Drilled**  
**Well No. Riddle 1301 S-3H**

**Notes:**  
 Well No. Riddle 1301 S-3H  
 WVSPC NAD 1927  
 Top Hole Coordinates  
 N: 741,078.49' E: 2,018,308.85'  
 Landing Point Coordinates  
 N: 740,157.99' E: 2,017,952.98'  
 Bottom Hole Coordinates  
 N: 732,579.99' E: 2,020,884.62'

**Legend**

- ⊙ Proposed gas well
- ⊗ Well Reference, as noted
- ⊕ Monument, as noted
- ⊙ Existing Well, as noted
- ⊙ Existing Plugged Well, as noted
- ⊙ Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)



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 rules issued and prescribed by the Department of Environmental Protection.

*Dwayne P. Matheny*  
 Dwayne P. Matheny, P.S. 2070

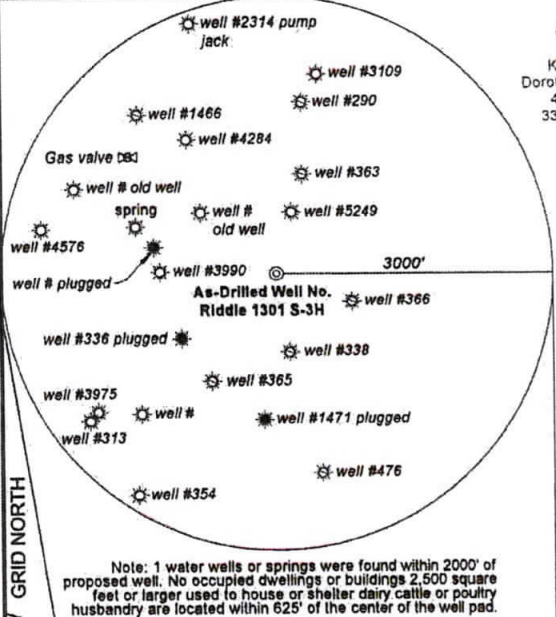
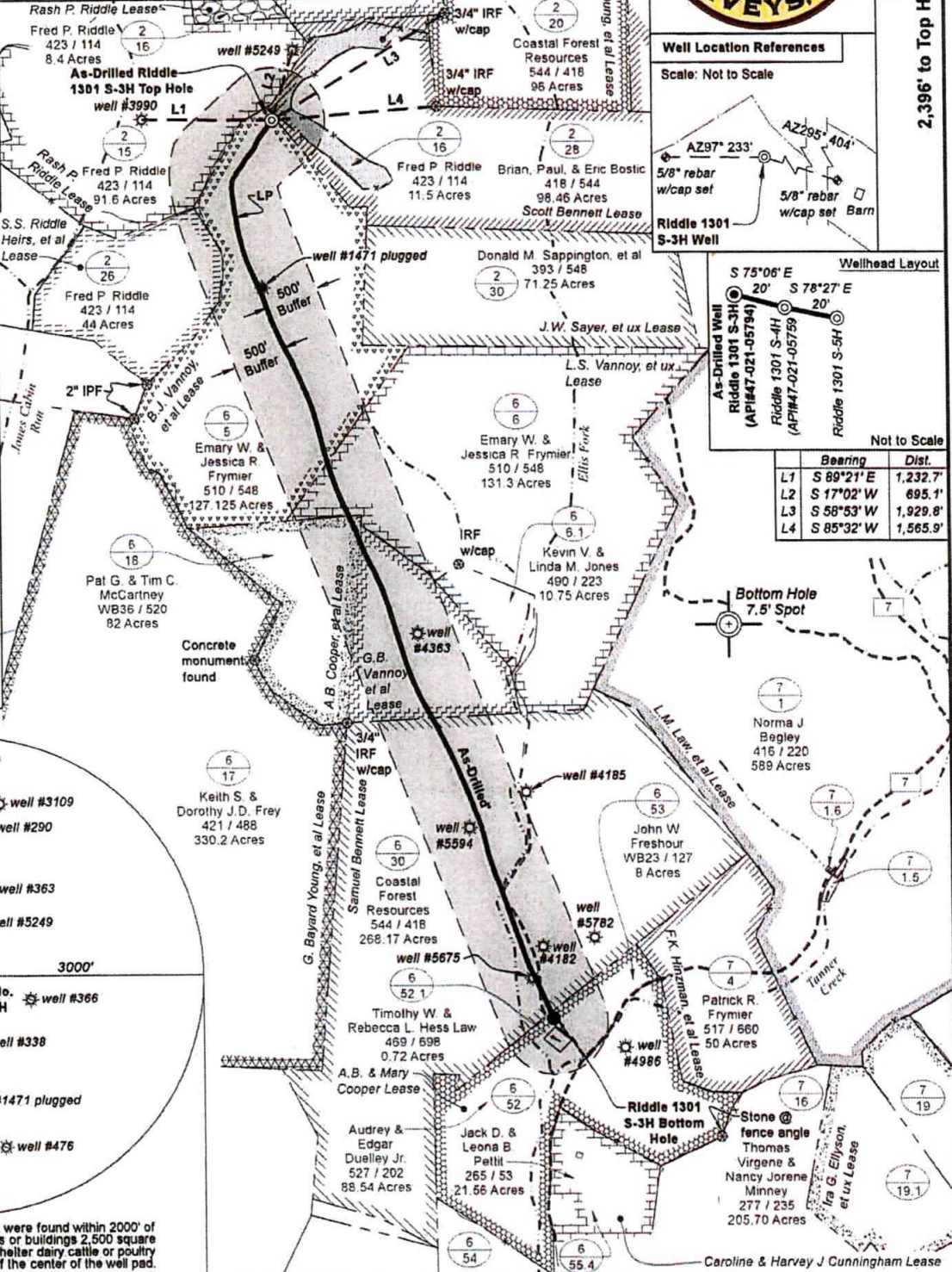
**Notes:**  
 Well No. Riddle 1301 S-3H  
 West Virginia Coordinate System of 1927, South Zone based upon Differential GPS Measurements.  
 Top Hole coordinates Bottom Hole coordinates  
 Latitude: 39°02'08.31" Latitude: 39°00'42.29"  
 Longitude: 80°56'07.98" Longitude: 80°55'35.43"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,320,681.680m N: 4,318,092.494m  
 E: 505,592.739m E: 506,377.551m  
 Plat orientation and corner and well references are based upon the grid north meridian.  
 Well location references are based upon the magnetic meridian.

Joy E. Gragg  
 WB22 / 107  
 75.88 Acres

S.S. Riddle,  
 et al Lease

P.P. Gragg,  
 et al Lease

G. Bayard Young,  
 et al Lease



FILE NO: 11-19-D-18  
 DRAWING NO: Riddle 1301 S-3H As-Drilled Plat  
 SCALE: 1" = 1500'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: CORS, Harrisville, WV

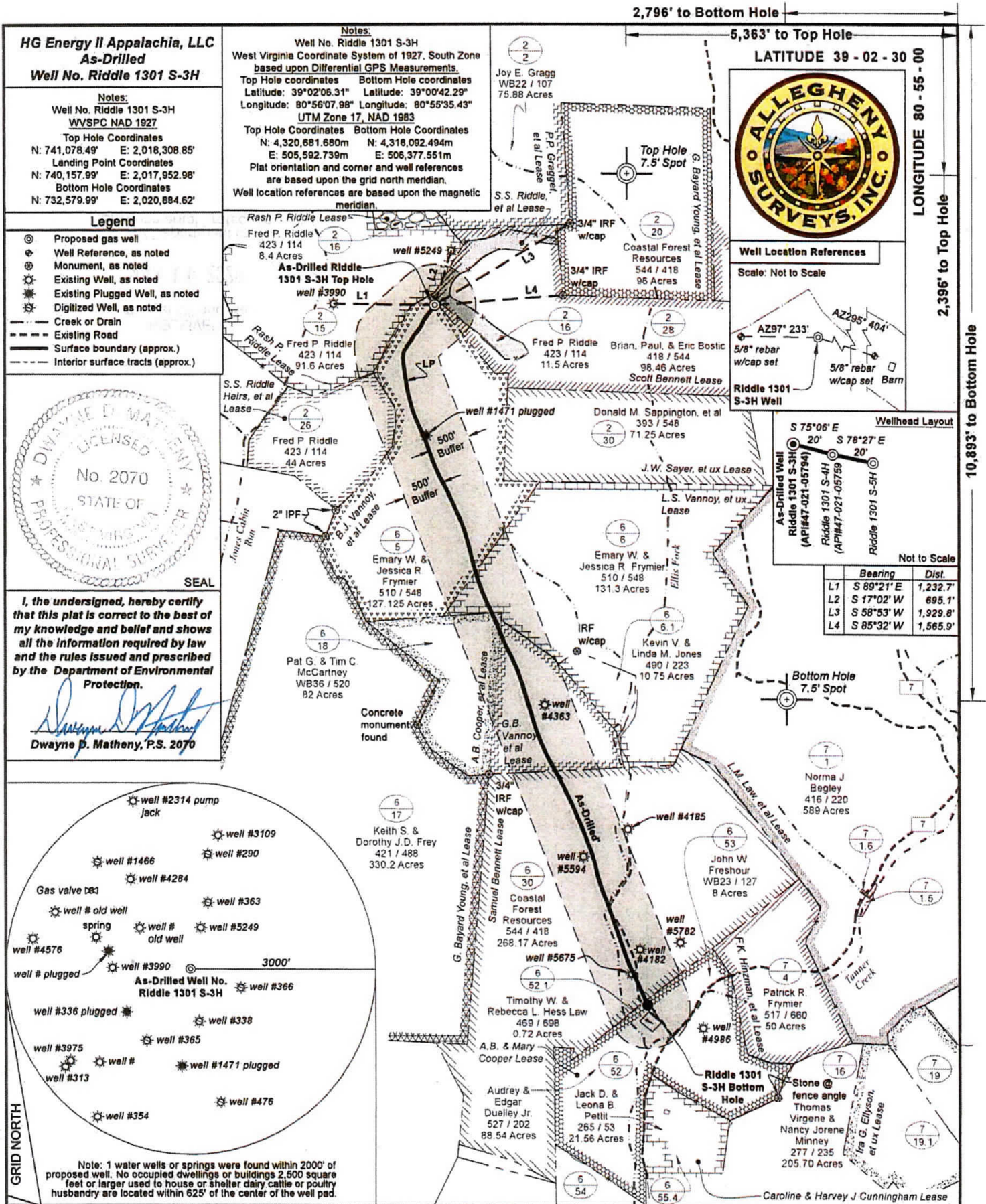
**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OIL AND GAS DIVISION**

DATE: November 7 2019  
 OPERATOR'S WELL NO. Riddle 1301 S-3H  
 API WELL NO  
 47 - 021 - 05794  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1,237' WATERSHED: Ellis Fork  
 DISTRICT: Dekalb Fred P. Riddle,  
 SURFACE OWNER: Emary W. & Jessica R. Frymier  
 ROYALTY OWNER: B. J. Vannoy; S. S. Riddle, et al LEASE NO: 260204000 ACREAGE: 127.125 / 11.50  
 260352000 ACREAGE: 127.125 / 11.50  
 PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 14,892' MD 6,542' TVD

WELL OPERATOR: HG Energy II Appalachia, LLC DESIGNATED AGENT: Diane C. White  
 ADDRESS: 5260 Dupont Road ADDRESS: 5260 Dupont Road  
 Parkersburg, WV 26101 Parkersburg, WV 26101



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 Well location references are based upon the magnetic  
 meridian.

2,796' to Bottom Hole  
 5,363' to Top Hole  
 LATITUDE 39 - 02 - 30 - 00  
 LONGITUDE 80 - 55 - 00  
**ALLEGHENY SURVEYS, INC.**  
 Well Location References  
 Scale: Not to Scale  
 Wellhead Layout  
 Not to Scale

**Legend**

- Proposed gas well
- Well Reference, as noted
- Monument, as noted
- Existing Well, as noted
- Existing Plugged Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

**SEAL**

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 rules issued and prescribed by the Department of Environmental Protection.

*Dwayne D. Matheny*  
**Dwayne D. Matheny, P.S. 2070**

**GRID NORTH**

well #2314 pump jack  
 well #3109  
 well #1466  
 well #290  
 Gas valve box  
 well #4284  
 well #363  
 well # old well  
 spring  
 well # old well  
 well #5249  
 well #4576  
 well # plugged  
 well #3990  
 3000'  
 As-Drilled Well No. Riddle 1301 S-3H  
 well #366  
 well #336 plugged  
 well #338  
 well #3975  
 well #  
 well #313  
 well #1471 plugged  
 well #476  
 well #354

Note: 1 water wells or springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

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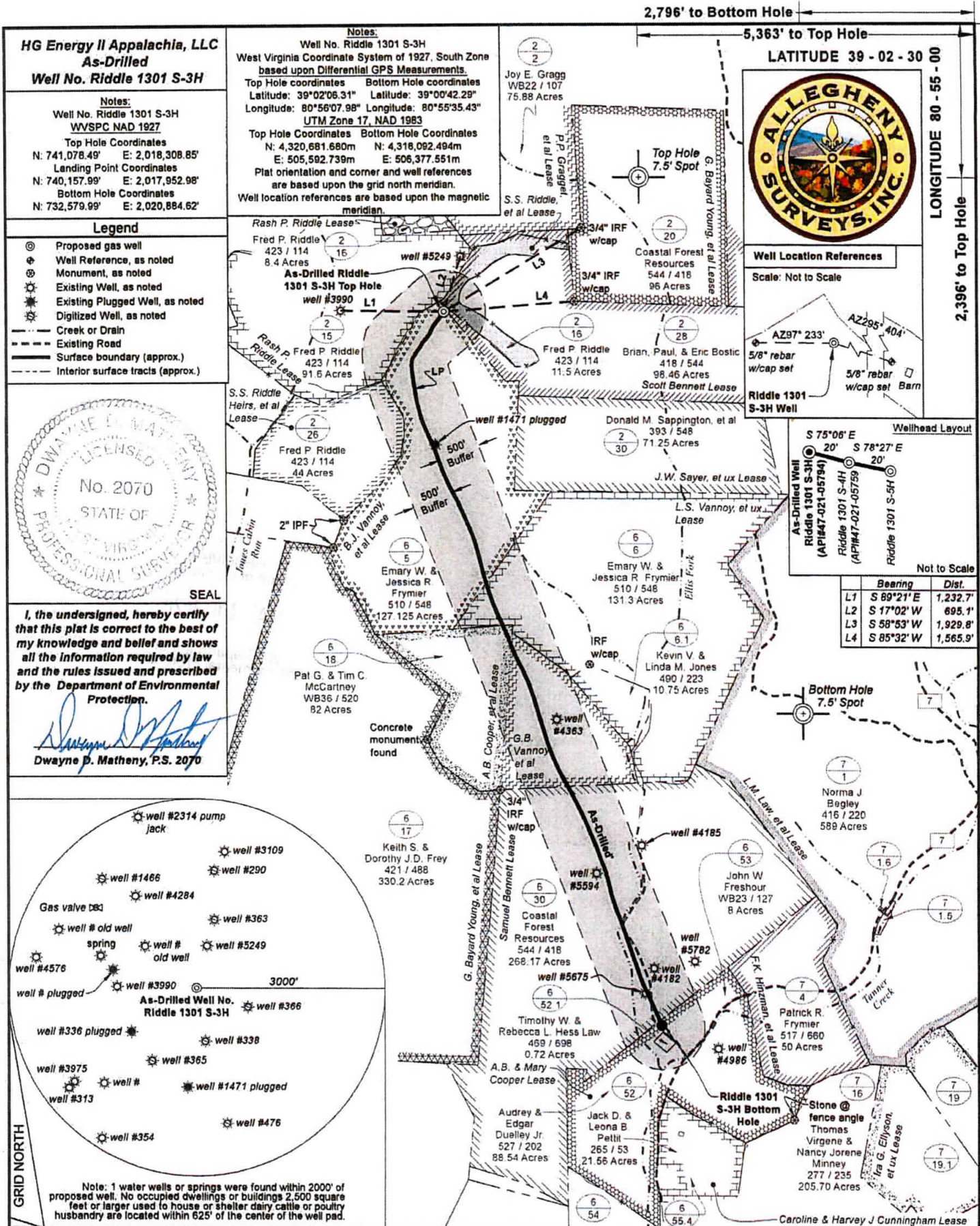
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 ROYALTY OWNER: B. J. Vannoy; S. S. Riddle, et al LEASE NO: 260204000 ACREAGE: 127.125 / 11.50  
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 14,892' MD

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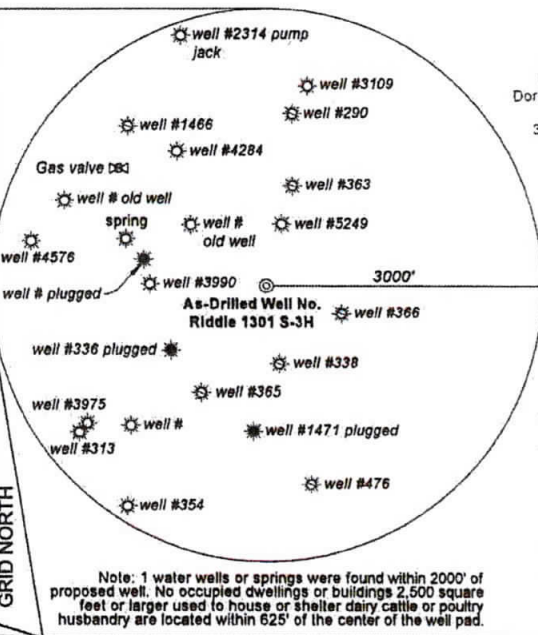
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