

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

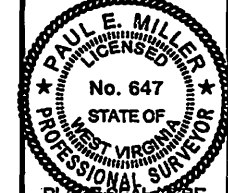
SURFACE HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 691,825.95 : E - 1,870,486.93	
LATITUDE: (N) 38.8984545 LONGITUDE: (W) 81.4550428	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,305,615.750 : E - 480,554.298	
BOTTOM HOLE	
STATE PLANE WV NORTH/SOUTH ZONE NAD 1927 N - 695,440.22 : E - 1,869,684.41	
LATITUDE: (N) 38.8089169 LONGITUDE: (W) 81.4578951	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,305,777.898 : E - 480,304.088	

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO.	HR-478A.DGN
DRAWING NO.	HR-478
SCALE	1" = 1000'
MINIMUM DEGREE OF ACCURACY	1:200
PROVEN SOURCE OF ELEVATION	MAPPING GRADE GPS

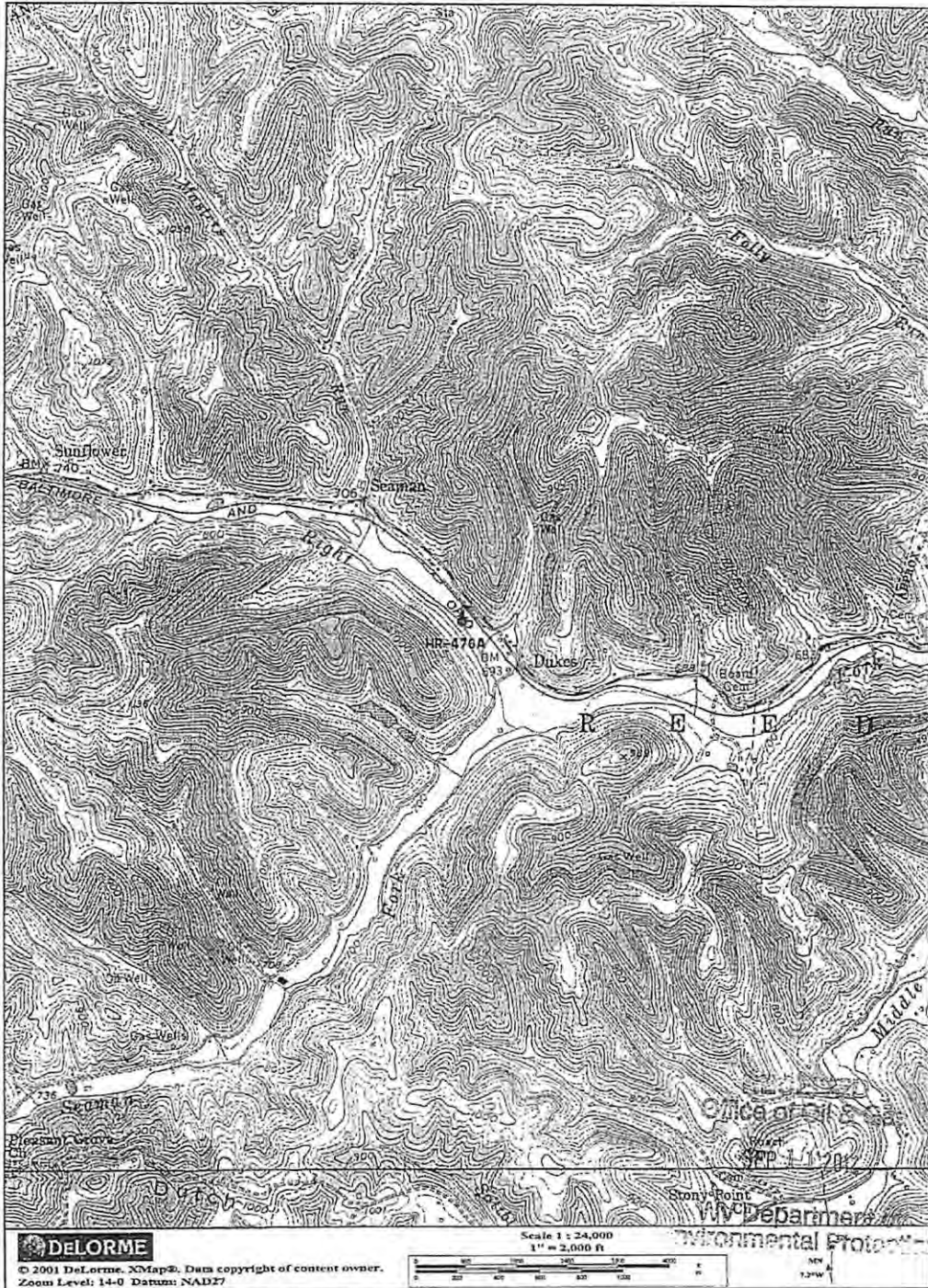
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) *Paul E. Miller*
R.P.E. _____ L.L.S. 647



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION	DATE <u>AUGUST 27</u> , 20 <u>12</u> OPERATOR'S WELL NO. <u>HR-478A</u> API WELL NO. <u>47-087-04726 H</u>
WELL TYPE: OIL <input type="checkbox"/> GAS <input type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> (IF "GAS,") PRODUCTION <input checked="" type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	STATE <u>47</u> COUNTY <u>087</u> PERMIT <u>04726 H</u>
LOCATION: ELEVATION <u>888'</u> WATER SHED <u>RIGHT FORK OF REEDY CREEK</u> D STRIC <u>REEDY</u> COUNTY <u>ROANE</u>	COUNTY NAME
QUADRANGLE <u>REEDY, WV 7.5'</u>	PERMIT
SURFACE OWNER <u>JOHN ELLISON</u> ACREAGE <u>50</u>	
OIL & GAS ROYALTY OWNER <u>Ellison, John</u> LEASE ACREAGE <u>179.99</u>	
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____	
PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG <input type="checkbox"/>	Received
TARGET FORMATION <u>LOWER HURON</u> ESTIMATED DEPTH <u>7425' MD; 925'</u>	Office of Oil & Gas
WELL OPERATOR <u>HARD ROCK EXPLORATION, INC.</u> DESIGNATED AGENT <u>JAMES L. STEPHENS</u>	
ADDRESS <u>1244 MARTINS BR. RD., CHARLESTON, WV 25312</u> ADDRESS <u>SAME</u>	

01-04126



87-4726 MOD

Received
Office of Oil & Gas

05/10/2013