

NOTE: ALL WELLS IDENTIFIED WITHIN 2400' ARE SHOWN

NOTE: NO BUILDING STRUCTURES IDENTIFIED WITHIN 200'

SURFACE HOLE
 STATE PLANE WV
 NORTH/SOUTH ZONE NAD 1927
 N - 887,155.10 : E - 1,683,447.78
 LATITUDE: (N) 38.8883452
 LONGITUDE: (W) 81.4094330
 UTM, NAD83
 17 - 84W TO 76W, METERS
 N - 4,304,253.305 : E - 4,684,503.425

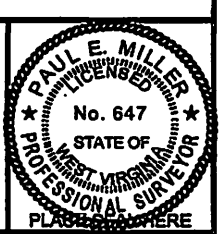
BOTTOM HOLE
 STATE PLANE WV
 NORTH/SOUTH ZONE NAD 1927
 N - 683,939.93 : E - 1,684,601.54
 LATITUDE: (N) 38.8775337
 LONGITUDE: (W) 81.4048280
 UTM, NAD83
 17 - 84W TO 76W, METERS
 N - 4,303,273.683 : E - 4,684,915.630

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

FILE NO. HR-490A.DGN
 DRAWING NO. HR-490A
 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 OCTOBER 12, 20 12
 OPERATOR'S WELL NO. HR-490A
 API WELL NO. 47 087 04727 H

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

LOCATION: ELEVATION 882' WATER SHED LEFT FORK OF REEDY CREEK
 DISTRICT REEDY COUNTY ROANE
 QUADRANGLE REEDY, WV 7.5'

SURFACE OWNER GEORGE SCOTT ACREAGE 54
 OIL & GAS ROYALTY OWNER Fletcher, Wilson, Reedy, Milburn, Pappas, Dr. Pappas, Jr. LEASE ACREAGE 384
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL 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 LOWER HURON ESTIMATED DEPTH 7400' MD; 4260' TVD
 WELL OPERATOR HARD ROCK EXPLORATION, INC. DESIGNATED AGENT JAMES L. STEPHENS
 ADDRESS 1244 MARTINS BR. RD., CHARLESTON, WV 25312 ADDRESS SAME

FORM WVS-9

COUNTY NAME
PERMIT

05/10/2013

01-490



Scale 1:24,000
1 inch = 2,000 feet
0 500 1,000 2,000 3,000 4,000 Feet
0 125 250 500 750 1,000 Meters

RECEIVED
OFFICE OF OIL & GAS
MAY 29 10 26



87-04727 MOD

Received
Office of Oil & Gas

05/10/2013