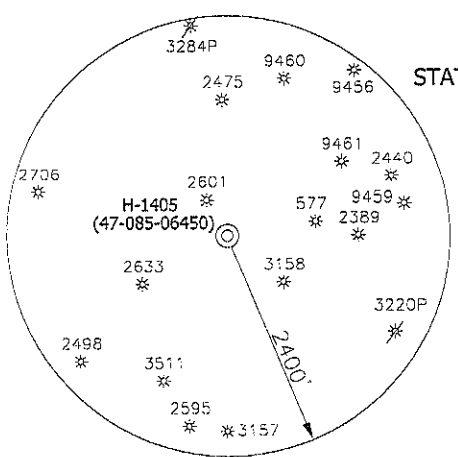


N.M. WELCH
61.73 ACRES ±
H-1405
(47-085-06450)



H-1405
(47-085-06450)
STATE PLANE COORDINATES
NORTH ZONE
(N) 210260
(E) 1564824

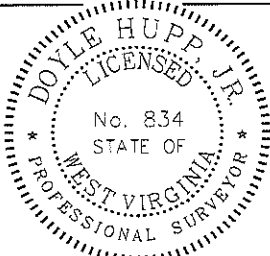
H-1405
(47-085-06450)
L&L DECIMAL
39.06709
81.03270

H-1405
(47-085-06450)
UTM (NAD 83)
4324232
497186

NOTES ON SURVEY

TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 283 AT PAGE 542 AND INFORMATION PROVIDED BY POST ROCK EASTERN PRODUCTION. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN DECEMBER, 2011 AND INFORMATION PROVIDED BY POST ROCK EASTERN PRODUCTION. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

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 DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MARCH 9 20 12
 OPERATORS WELL NO. H-1405
 API WELL NO. 47-085-06450
 STATE COUNTY PERMIT

P.S. 834
 HUPP Surveying & Mapping
 P.O. Box 647 Grantsville, WV 26147
 (304) 354-7035 EMAIL: hupp@frontier.net

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 2115 (BK 56-23)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER GRADE) SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 963' WATERSHED GRASS RUN
 DISTRICT MURPHY COUNTY RITCHIE QUADRANGLE SMITHVILLE 7.5'

SURFACE OWNER HEARTWOOD FORESTLAND FUND IV ACREAGE 891 (TAXFD)
 ROYALTY OWNER N.M. WELCH LEASE ACREAGE 61.73±

PROPOSED WORK: LEASE NO. _____
 DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER _____
 PHYSICAL CHANGE IN WELL (SPECIFY) RE-WORK TARGET FORMATION BIG INJUN
 ESTIMATED DEPTH 2,150'

WELL OPERATOR POST ROCK EASTERN PRODUCTION DESIGNATED AGENT GARY LASWELL
 ADDRESS 101 WEST MAIN ST. HARRISVILLE, WV 26362 ADDRESS 101 WEST MAIN ST. HARRISVILLE, WV 26362

