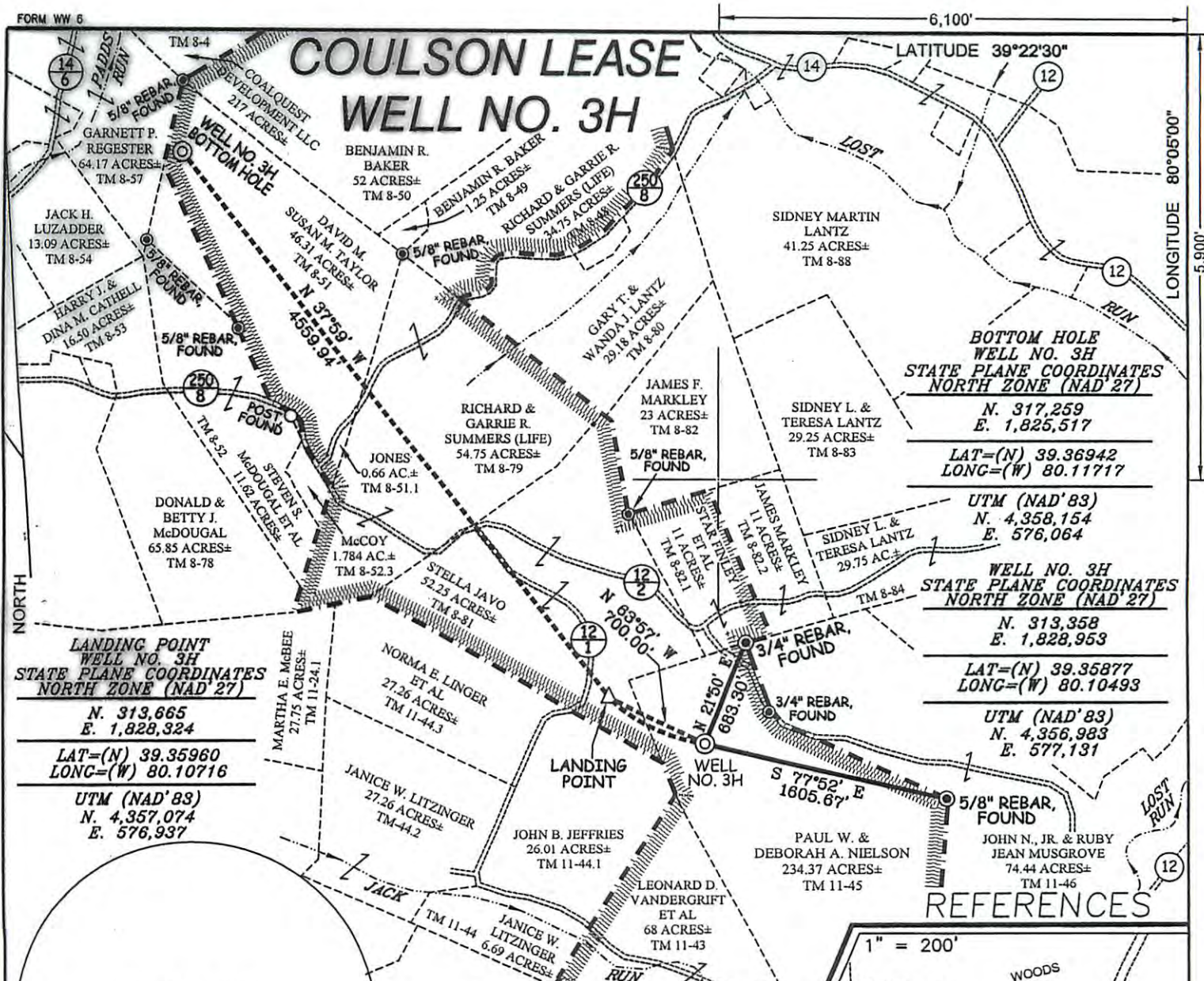


# COULSON LEASE WELL NO. 3H



**LANDING POINT  
WELL NO. 3H  
STATE PLANE COORDINATES  
NORTH ZONE (NAD '27)**

N. 313,665  
E. 1,828,324

LAT=(N) 39.35960  
LONG=(W) 80.10716

UTM (NAD'83)  
N. 4,357,074  
E. 576,937

**BOTTOM HOLE  
WELL NO. 3H  
STATE PLANE COORDINATES  
NORTH ZONE (NAD '27)**

N. 317,259  
E. 1,825,517

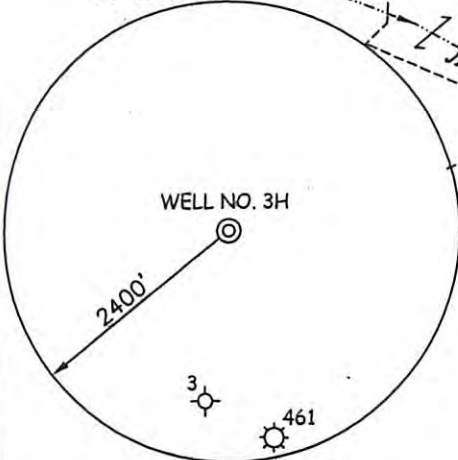
LAT=(N) 39.36942  
LONG=(W) 80.11717

**WELL NO. 3H  
STATE PLANE COORDINATES  
NORTH ZONE (NAD '27)**

N. 313,358  
E. 1,828,953

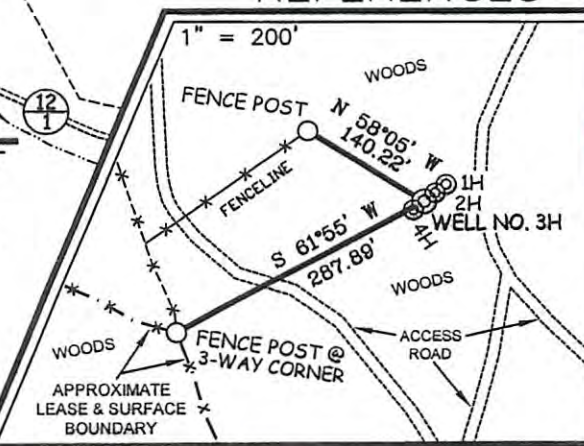
LAT=(N) 39.35877  
LONG=(W) 80.10493

UTM (NAD'83)  
N. 4,356,983  
E. 577,131



### NOTES ON SURVEY

1. TIES TO WELLS, CORNERS, & REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 255 PAGE 442, DEED BOOK 103 PAGE 477 & DEED BOOK 302 PAGE 551.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TAYLOR COUNTY IN JULY, 2010.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SURVEY GRADE).



### REFERENCES

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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.

P.S. 677  
*Gregory A. Smith*



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

DATE AUGUST 2, 20 11

OPERATORS WELL NO. COULSON #3H

API WELL NO. 47 - 091 - 01255 H

STATE STATE COUNTY COUNTY PERMIT ANCELTED

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7645P3HR3 (360-36)

PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE) SCALE 1" = 1,000'

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

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

LOCATION: ELEVATION 1,505' (GROUND) 1,498' (PROPOSED) WATERSHED JACK RUN AND LOST RUN

DISTRICT BOOTH'S CREEK COUNTY TAYLOR QUADRANGLE GRAFTON 7.5'

SURFACE OWNER PAUL W. & DEBORAH A. NIELSON ACREAGE 234.37±

ROYALTY OWNER ANN COULSON LEASE ACREAGE 234.37±

PROPOSED WORK: 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) \_\_\_\_\_ TARGET FORMATION MARCELLUS

ESTIMATED DEPTH TD = 7,700' TMD = 12,270'

WELL OPERATOR TRIANA ENERGY, LLC. DESIGNATED AGENT RACHELLE A. KING

ADDRESS 900 VIRGINIA ST. EAST SUITE 400 ADDRESS 900 VIRGINIA ST. EAST SUITE 400

CHARLESTON, WV 25301 CHARLESTON, WV 25301 **07/04/2014**

COUNTY NAME  
PERMIT