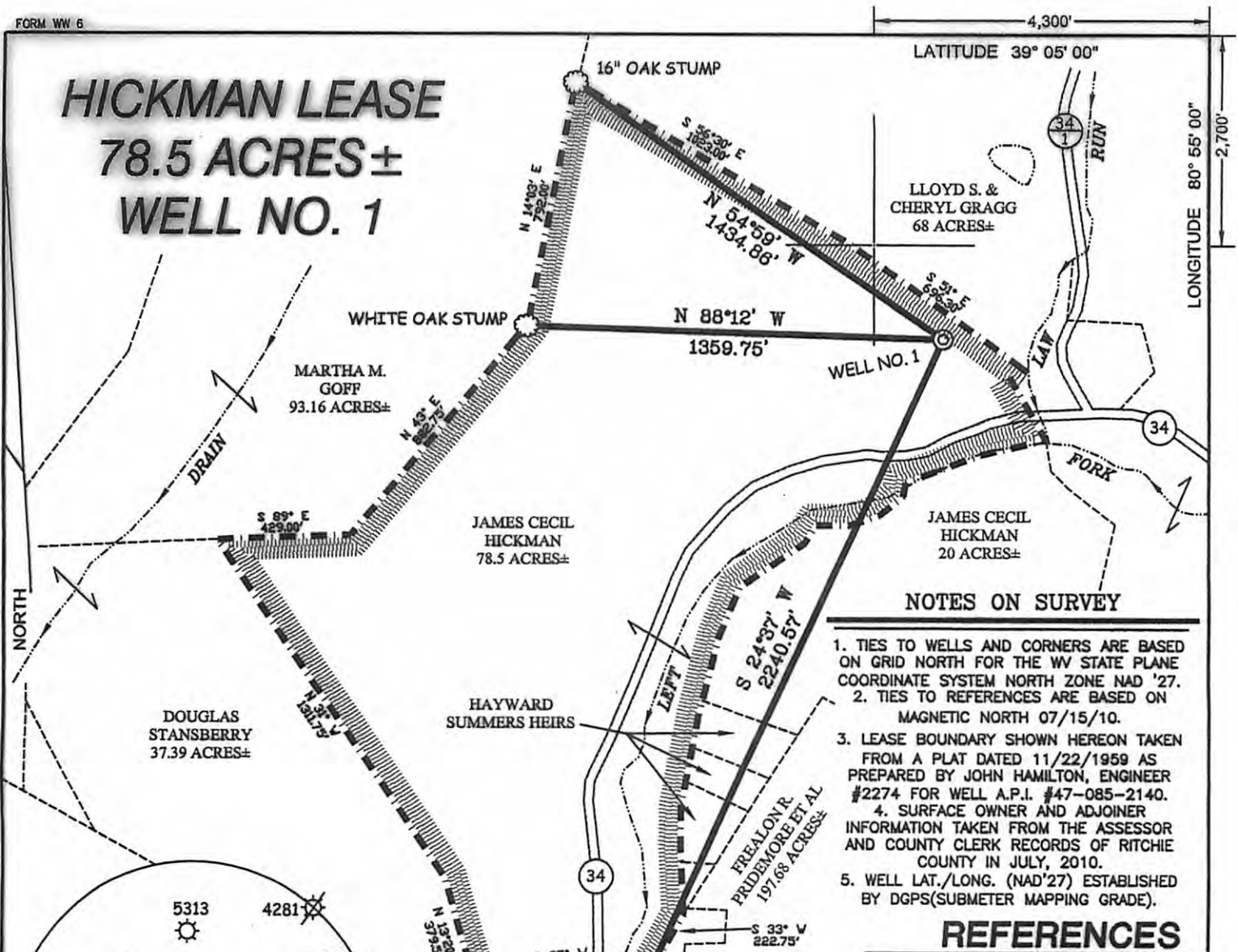


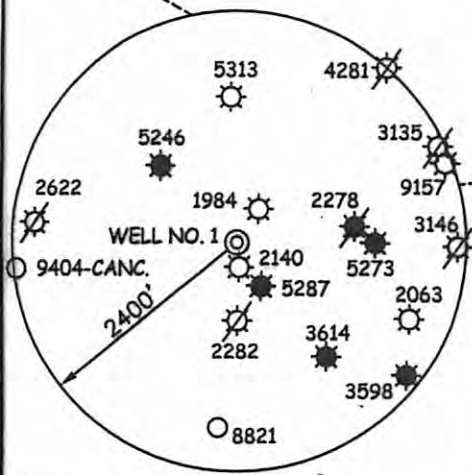
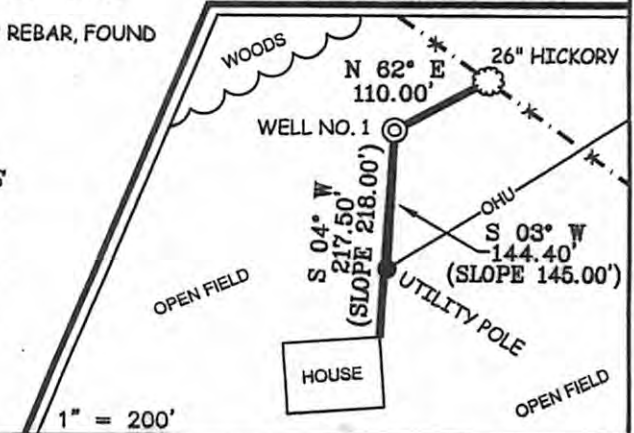
# HICKMAN LEASE 78.5 ACRES± WELL NO. 1



### NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 07/15/10.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 11/22/1959 AS PREPARED BY JOHN HAMILTON, ENGINEER #2274 FOR WELL A.P.I. #47-085-2140.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JULY, 2010.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

### REFERENCES



### WELL NO. 1 STATE PLANE COORDINATES NORTH ZONE (NAD'27)

N. 213,012  
E. 1,593,575  
LAT=(N) 39.07595  
LONG=(W) 80.93161  
UTM (NAD'83)  
N. 4,325,217  
E. 505,931



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 JULY 19, 20 10  
OPERATORS WELL NO. HICKMAN #1  
API WELL NO. 47-085-09803  
STATE CANCELLED COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 7510P1 (311-26)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'

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

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

LOCATION: ELEVATION 883' WATERSHED LEFT FORK OF SPRUCE CREEK  
DISTRICT UNION COUNTY RITCHIE QUADRANGLE BURNT HOUSE 7.5'

SURFACE OWNER JAMES CECIL HICKMAN ACREAGE 78.5±  
ROYALTY OWNER JAMES CECIL HICKMAN ET AL LEASE ACREAGE 78.5±

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 DEVONIAN SHALE  
ESTIMATED DEPTH 5,990'

WELL OPERATOR DORWARD ENERGY DESIGNATED AGENT EDWIN BARTLETT  
ADDRESS 447 THIRD AVE. NORTH, SUITE 400 ADDRESS ROUTE 1 BOX 2  
ST. PETERSBURG, FL 33701 PULLMAN, WV 26241

04/25/2014