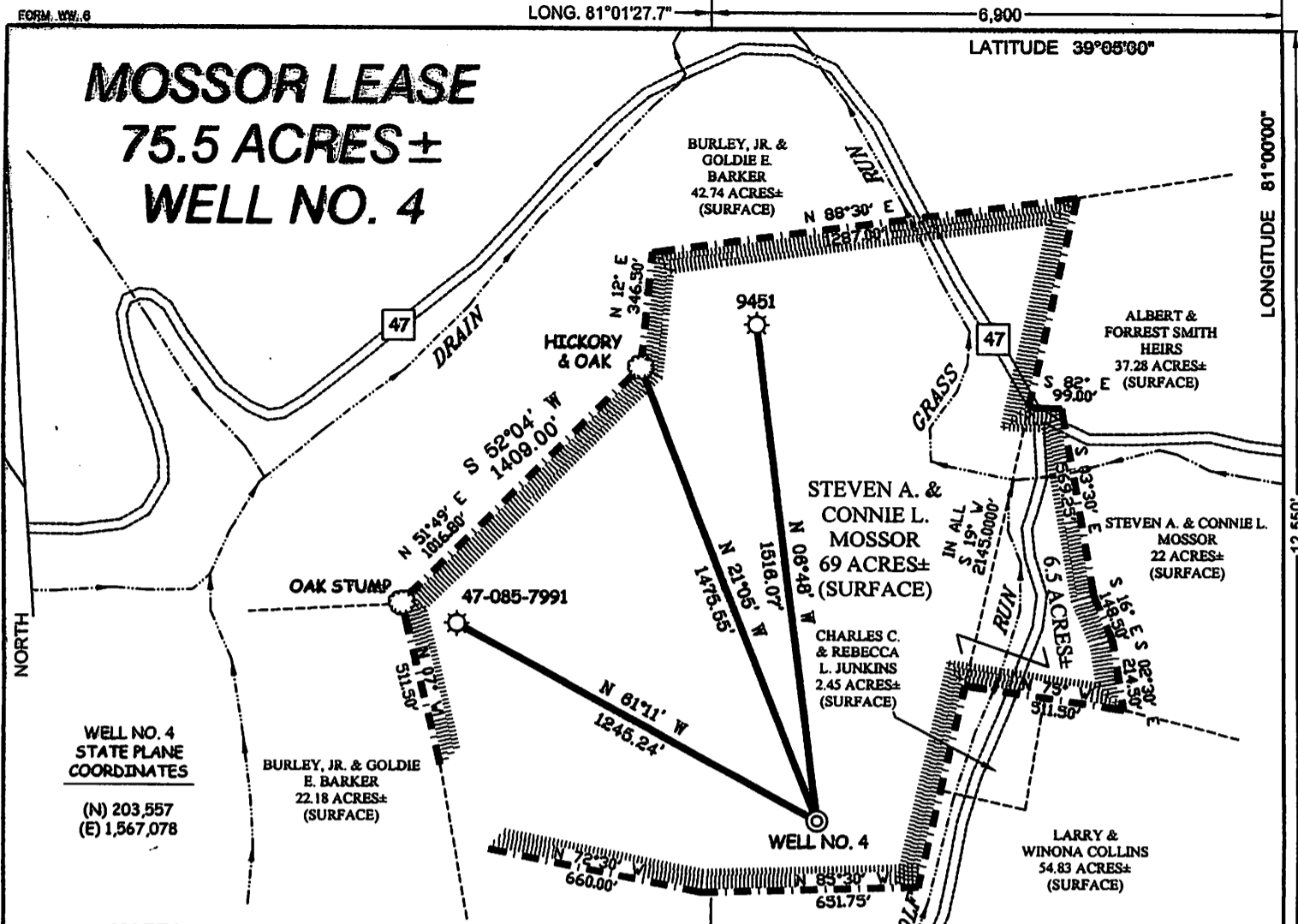


MOSSOR LEASE 75.5 ACRES± WELL NO. 4

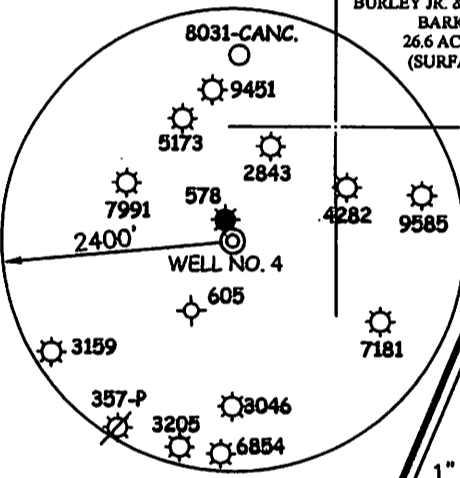


WELL NO. 4
STATE PLANE
COORDINATES
(N) 203,557
(E) 1,567,078

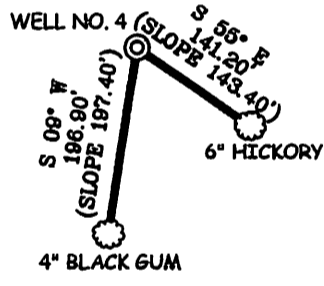
BURLEY, JR. & GOLDIE
E. BARKER
22.18 ACRES±
(SURFACE)

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 10-18-07.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 10/17/1990 AS PREPARED BY GREGORY A. SMITH FOR A.P.I. NO. 47-085-7991.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JULY, 2007.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



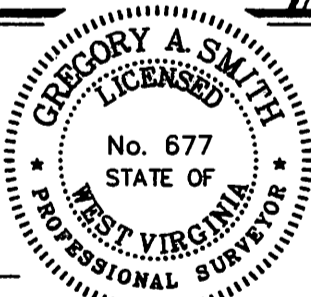
REFERENCES



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.

P.S. 677

Gregory A. Smith



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

DATE OCTOBER 22, 20 07

OPERATORS WELL NO. MOSSOR #4

API WELL NO. 47-085-09666
STATE WV PERMIT

CANCELLED

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 2482AP4 (248-25)
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 962' WATERSHED WOLF RUN

DISTRICT MURPHY COUNTY RITCHIE QUADRANGLE SMITHVILLE 7.5'

SURFACE OWNER STEVEN AND CONNIE MOSSOR ACREAGE 69±

ROYALTY OWNER W.H. MOSSOR HEIRS, ET AL LEASE ACREAGE 75.5±

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) _____ TARGET FORMATION ALEXANDER
ESTIMATED DEPTH 5,990'

WELL OPERATOR J.F. DEEM OIL & GAS, LLC. DESIGNATED AGENT FRANK DEEM
ADDRESS 4541 EMERSON AVENUE, #1 FLOOR 2 ADDRESS 5518 2ND AVENUE
PARKERSBURG, WV 26104 VIENNA, WV 26105

10/04/2013

COUNTY NAME
PERMIT