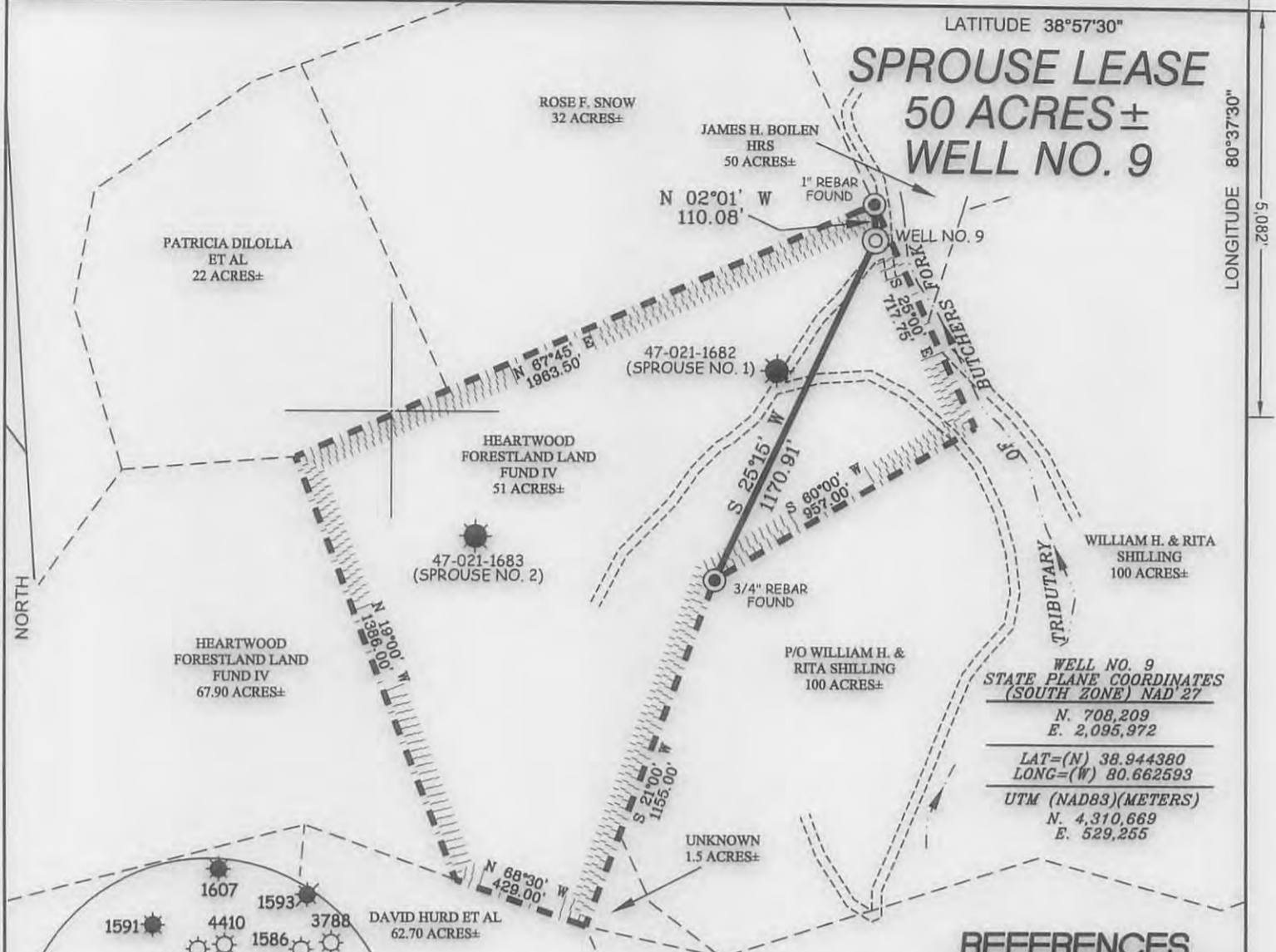


SPROUSE LEASE 50 ACRES± WELL NO. 9

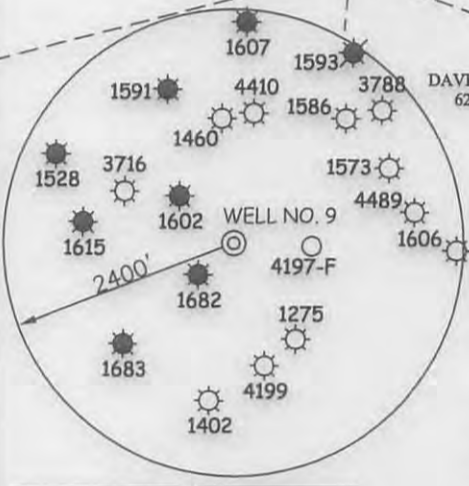


**WELL NO. 9
STATE PLANE COORDINATES
(SOUTH ZONE) NAD '27**

N. 708,209
E. 2,095,972

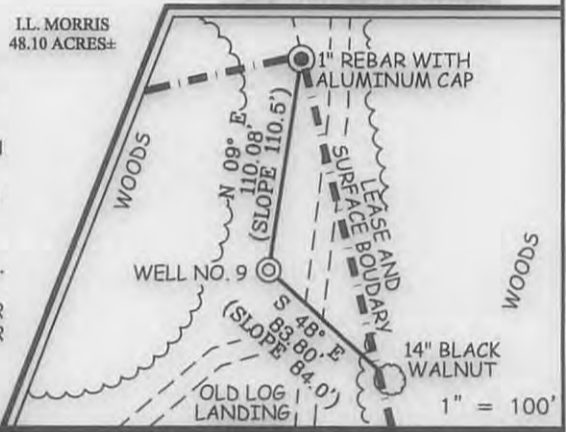
LAT=(N) 38.944380
LONG=(W) 80.662593

UTM (NAD83)(METERS)
N. 4,310,669
E. 529,255



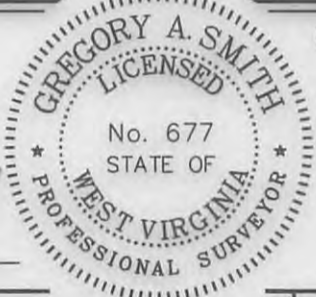
NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 07/09/13.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 453 PAGE 581.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF GILMER COUNTY IN JULY, 2013.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(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.

P.S. 677 *Gregory A. Smith*



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

DATE SEPTEMBER 10, 20 13

OPERATORS WELL NO. SPROUSE # 9


API WELL NO. 47-021-05764

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 8072P9R (454-51)

PROVEN SOURCE OF ELEVATION DGPS (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 833' WATERSHED TRIBUTARY OF BUTCHERS FORK

DISTRICT GLENVILLE COUNTY GILMER QUADRANGLE GILMER 7.5'

SURFACE OWNER HEARTWOOD FOREST LAND FUND IV ACREAGE 51±

ROYALTY OWNER EVELYN J. McHENRY ET AL LEASE ACREAGE 50±

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 GORDON & 5th SAND

ESTIMATED DEPTH 2960'

WELL OPERATOR DORWARD ENERGY CORPORATION DESIGNATED AGENT EDWIN BARTLETT

ADDRESS 447 THIRD AVE. N ADDRESS RT. 1 BOX 2

SAINT PETERSBURG, FL 33701 PULLMAN, WV 26241 **11/08/2013**

COUNTY NAME PERMIT

SPROUSE LEASE WELL NO. 9

11

11
1

11
1



PROPOSED GAS WELL NO. 9

1020' ± @
0-5% GRADE ±

EXISTING
PIPELINE CROSSING

EXISTING
DRIVEWAY

EXISTING
36" CULVERT

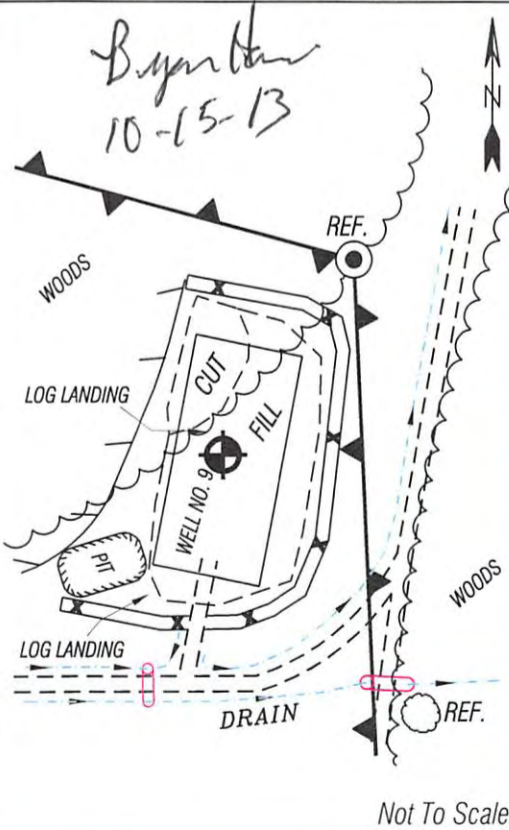
90' ± @
5-10% GRADE ±

PROPOSED GAS
WELL NO. 3

PROPOSED GAS
WELL NO. 7

47-021-1682

Detail Sketch for Proposed Well No. 9



SCALE: 1"=500'



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.E.P. OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATION. SEPARATE PERMITS MAY BE REQUIRED BY THE D.O.T.

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D.E.P. OIL AND GAS BMP MANUAL. FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED. WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED.

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN.

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION.

CUT & STACK ALL MARKETABLE TIMBER.

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL.

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES).

- = EXISTING CULVERT
- = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING
- = APPROXIMATE LIMITS OF DISTURBANCE

TOPO SECTION OF GILMER 7.5'
USGS TOPO QUADRANGLE

11/08/2013

Professional Energy Consultants
A DIVISION OF SMITH LAND SURVEYING

SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL

228 West Main St.
P.O. Box 150
Glennville, WV 26031
(304) 692-6634

5605 Dille Bottom Road
Shadyside, OH 43947
(740) 671-9911

HONESTY, INTEGRITY, QUALITY

DRAWN BY K.D.W.	FILE NO. 8072	DATE 09/06/13	CADD FILE: 8072REC7.dwg
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