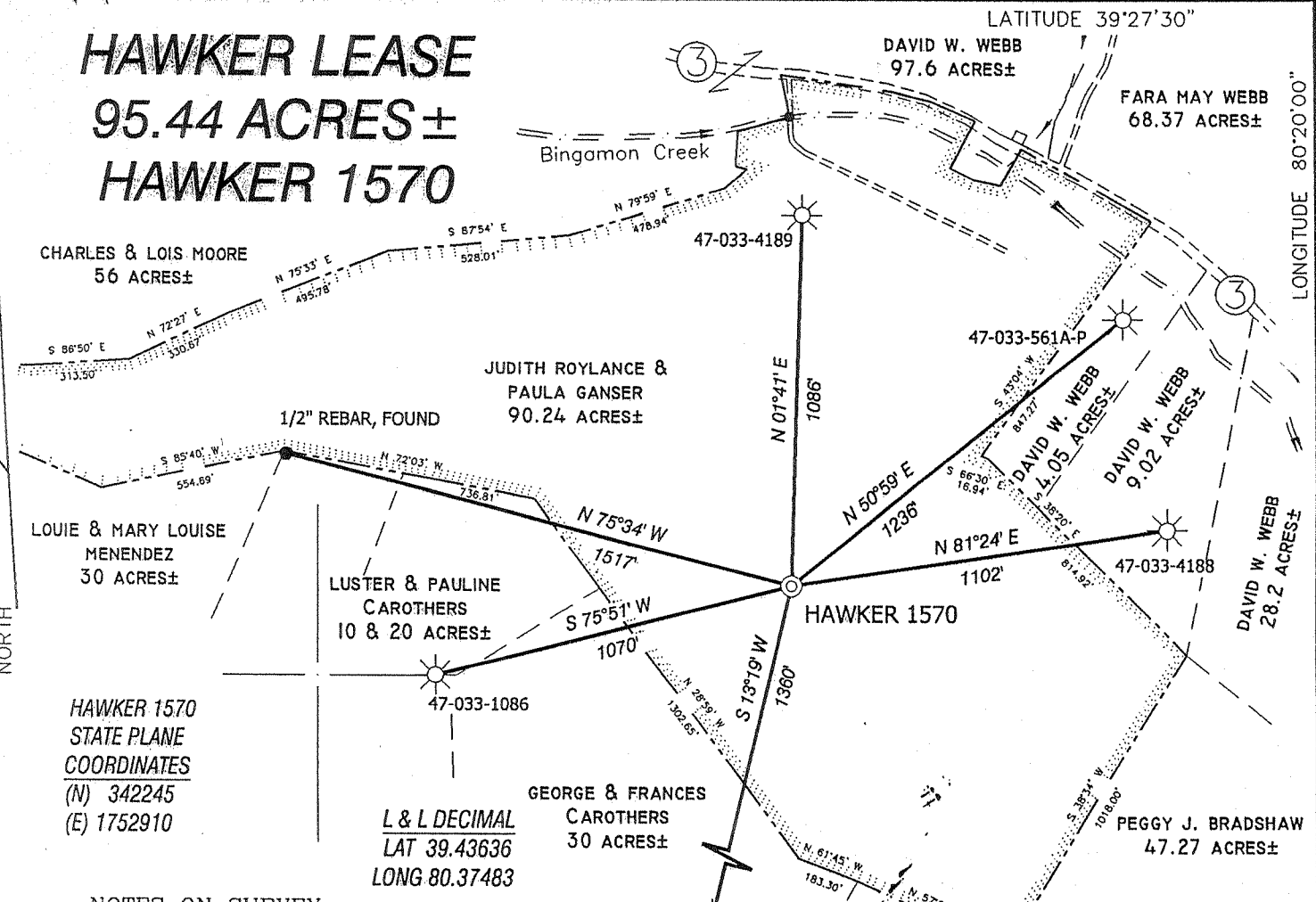


HAWKER LEASE

95.44 ACRES±

HAWKER 1570

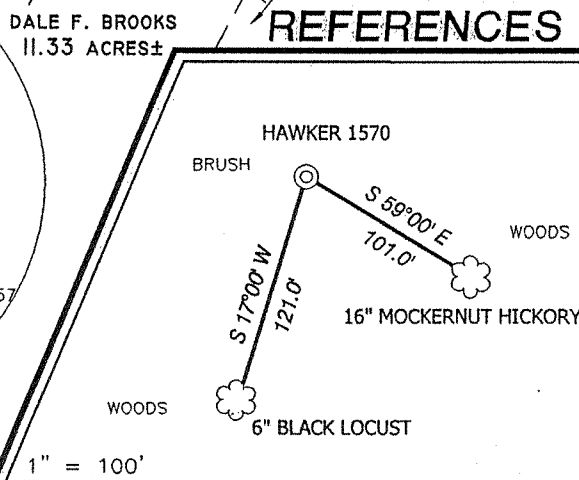
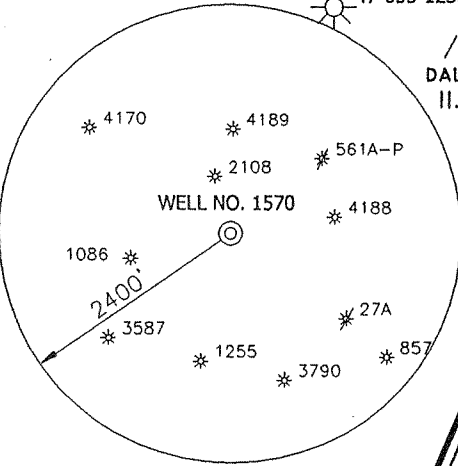


HAWKER 1570
STATE PLANE
COORDINATES
(N) 342245
(E) 1752910

L & L DECIMAL
LAT 39.43636
LONG 80.37483

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 06-28-04.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 1341 AT PAGE 576 AND INFORMATION PROVIDED BY LINN OPERATING, LLC.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN JUNE, 2003 AND INFORMATION PROVIDED BY LINN OPERATING, LLC.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

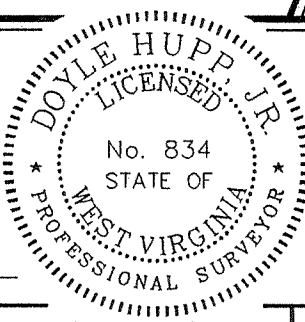


REFERENCES

HUPP Surveying & Mapping
P.O. Box 647 Grantsville, WV 26147
(304) 354-7035 EMAIL: surveyor@depolltd.com

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. *Doyle Hupp Jr.*
834



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JUNE 30, 2004
OPERATORS WELL NO. HAWKER 1570
API WELL NO. 47-33-04486
STATE 33 COUNTY 04486 PERMIT REVISED

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. W1173 (BK 25-6)
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 INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION :
ELEVATION 1181' WATERSHED BINGAMON CREEK
DISTRICT EAGLE COUNTY HARRISON QUADRANGLE SHINNSTON 7.5'

SURFACE OWNER JUDITH A. ROYLANCE & PAULA M. GANSER ACREAGE 90.24±
ROYALTY OWNER CHARLES HARDESTY, Jr. ET AL LEASE ACREAGE 95.44±

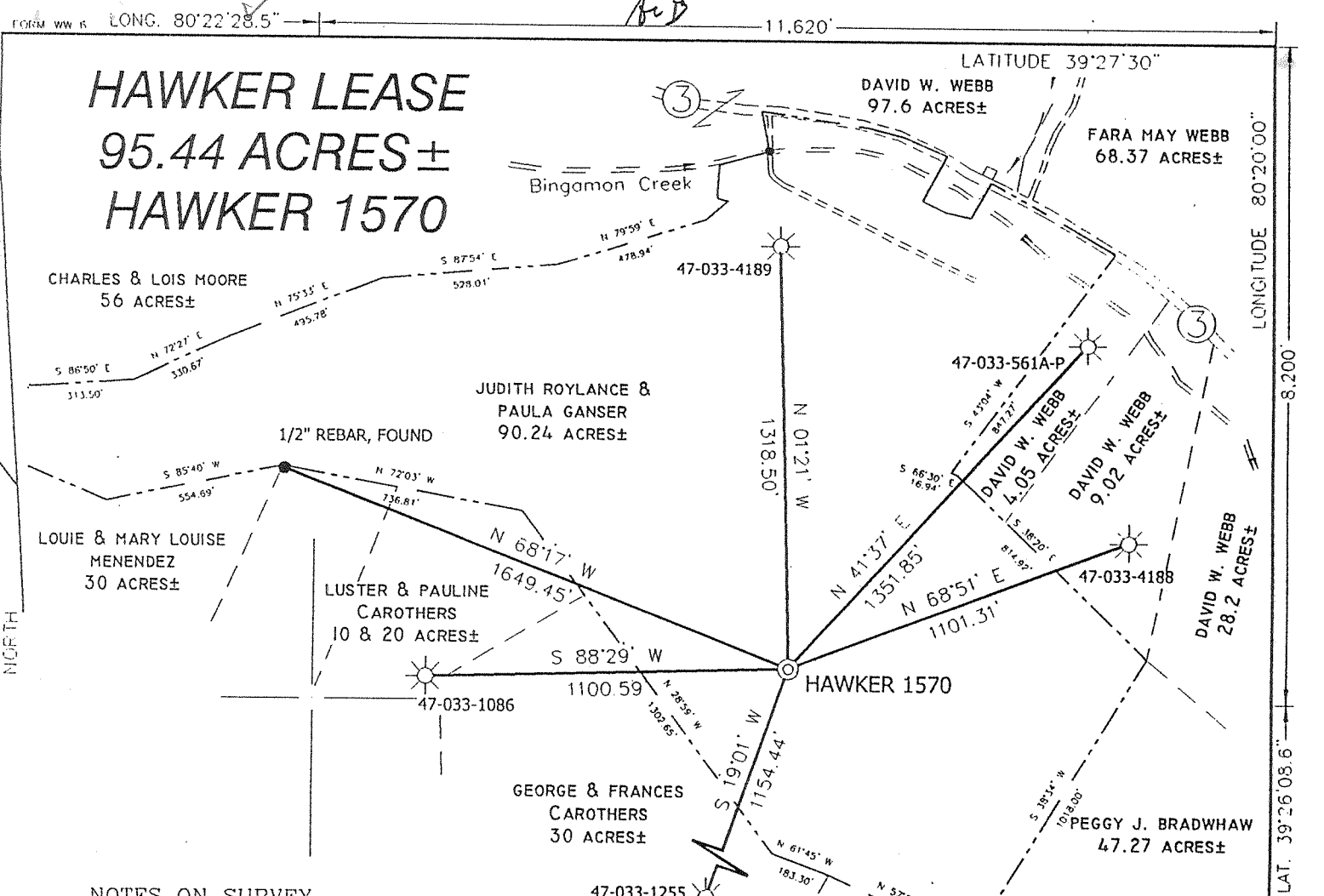
PROPOSED WORK :
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION BALLTOWN
ESTIMATED DEPTH 4100'

WELL OPERATOR LINN OPERATING, LLC DESIGNATED AGENT JUDSON E. SHREVES
ADDRESS 1700 NORTH HIGHLAND ROAD SUITE 100 PITTSBURGH, PA 15241 ADDRESS P.O. BOX 211 GLENVILLE, WV. 26351

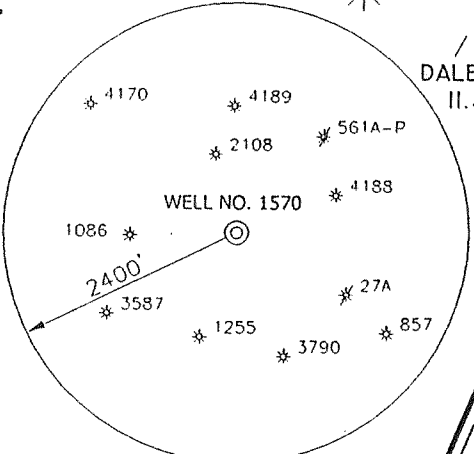
COUNTY NAME HARRISON
PERMIT 4486 R

JUL 16 2004

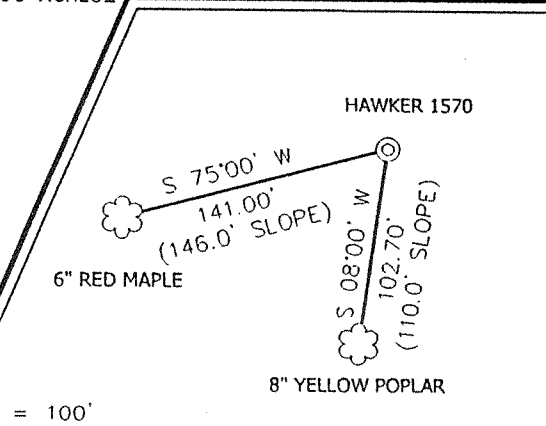


NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 08-13-03.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 1341 AT PAGE 576 AND INFORMATION PROVIDED BY WACO OIL & GAS CO., INC.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF HARRISON COUNTY IN JUNE, 2003 AND INFORMATION PROVIDED BY WACO OIL & GAS CO., INC.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



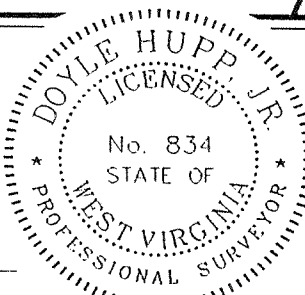
REFERENCES



HUPP Surveying & Mapping
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(304) 354-7035 (MAIL: surveyor@depolltd.com)

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P.S. *Doyle Hupp Jr.*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE AUGUST 28, 20 03
OPERATORS WELL NO HAWKER 1570
API WELL NO. 47 - 33 - 04486
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. W1173 (BK 22-46)
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 INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION : ELEVATION 1270' WATERSHED BINGAMON CREEK
DISTRICT EAGLE COUNTY HARRISON QUADRANGLE SHINNSTON 7.5'

SURFACE OWNER JUDITH A. ROYLANCE & PAULA M. GANSER ACREAGE 90.24±
ROYALTY OWNER CHARLES HARDESTY, Jr. ET AL LEASE ACREAGE 95.44±

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 BALLTOWN
ESTIMATED DEPTH 4100'

WELL OPERATOR LINN OPERATING, LLC DESIGNATED AGENT JUDSON E. SHREVES
ADDRESS 1700 NORTH HIGHLAND ROAD SUITE 100 PITTSBURGH, PA 15241 ADDRESS P.O. BOX 211 GLENVILLE, WV 26351

APR 0 9 2004

COUNTY NAME HARRISON
PERMIT 44960