

WELL REFERENCES:

N14-30E, 126.50' TO 6" BOX ELDER  
 N00-30W, 118.00' TO 12" RED MAPLE

Id	Bearing	Distance
L1	N 0°07'33" E	227.62'
L2	S 54°40'00" W	144.87'
L3	S 70°56'00" W	211.20'
L4	S 9°10'00" W	132.00'
L5	S 66°55'00" W	70.00'
L6	N 80°00'00" E	166.49'
L7	N 23°45'00" W	259.88'

LATITUDE 39-15-00

SCALED COOR.:

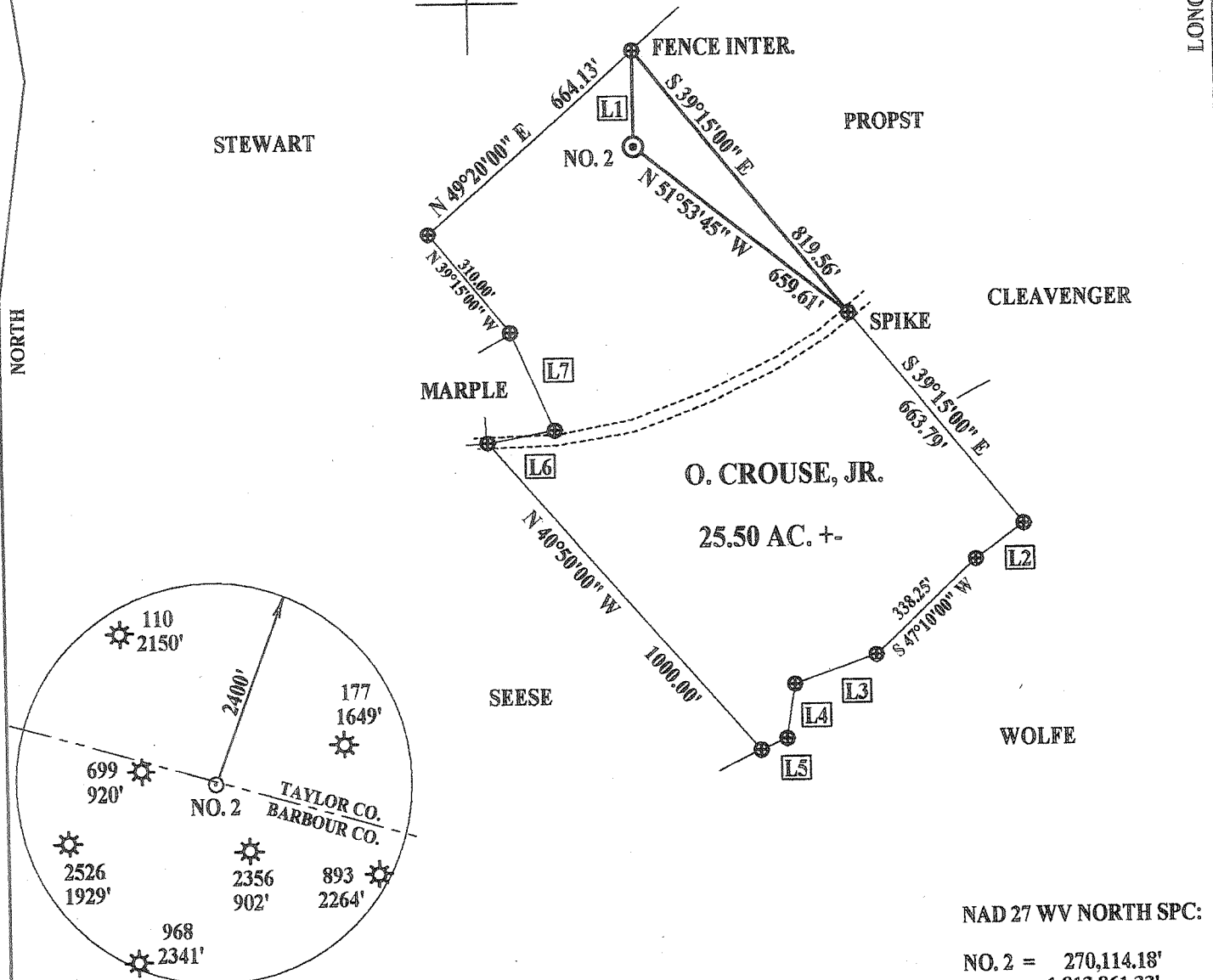
9,130' WEST  
 3,720' SOUTH

NAD 27:

39-14-23.28  
 80-09-26.00

NORTH

LONGITUDE 80-07-30



NAD 27 WV NORTH SPC:

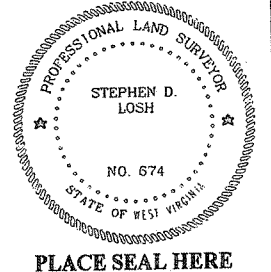
NO. 2 = 270,114.18'  
 1,813,861.33'

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

FILE NUMBER: \_\_\_\_\_  
 DRAWING NUMBER: **PDCCROUSE2.PCS**  
 SCALE: 1" = 400'  
 MINIMUM DEGREE OF ACCURACY: **SUBMETER**  
 PROVEN SOURCE OF ELEVATION: **DGPS SURVEY**  
**SUBMETER SYSTEM**

I THE UNDERSIGNED, HEREBY STATE 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 DEPARTMENT OF ENERGY.

(SIGNED) \_\_\_\_\_  
 STEPHEN D. LOSH, P.S. #674



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 FORM WW-6  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WV 25143-2506

LAND SURVEYING SERVICES  
 21 CEDAR LANE, BRIDGEPORT, WV 26330  
 PHONE: 304-842-2018 OR 842-5762

DATE: **AUGUST 15, 2008**  
 OPERATORS WELL NO.: **CROUSE NO. 2**  
 API WELL NO. **47 - 001 - 03000**  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ CBM \_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION **1288.97'** WATERSHED **BARTLETT RUN**  
 DISTRICT **PLEASANT** COUNTY **BARBOUR**  
 QUADRANGLE **BROWNTON** LEASE NUMBER **398600**  
 SURFACE OWNER **ORLAN CROUSE, JR. & JEANNE CROUSE** ACREAGE **25.50 (9-07)**  
 OIL & GAS ROYALTY OWNER **ORLAN CROUSE, JR., ET. AL.** LEASE ACREAGE **30.50**  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_  
 PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_  
 TARGET FORMATION **Benon** PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
 ESTIMATED DEPTH **5300'**  
 WELL OPERATOR **PETROLEUM DEVELOPMENT CORPORATION** DESIGNATED AGENT **ALAN SMITH**  
 ADDRESS **120 GENESIS BLVD., BRIDGEPORT, WV 26330** ADDRESS **120 GENESIS BLVD., BRIDGEPORT, WV 26330**

COUNTY NAME **BAR**  
 PERMIT **3000**

DEC 1 2 2008

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LATITUDE 39-15-00

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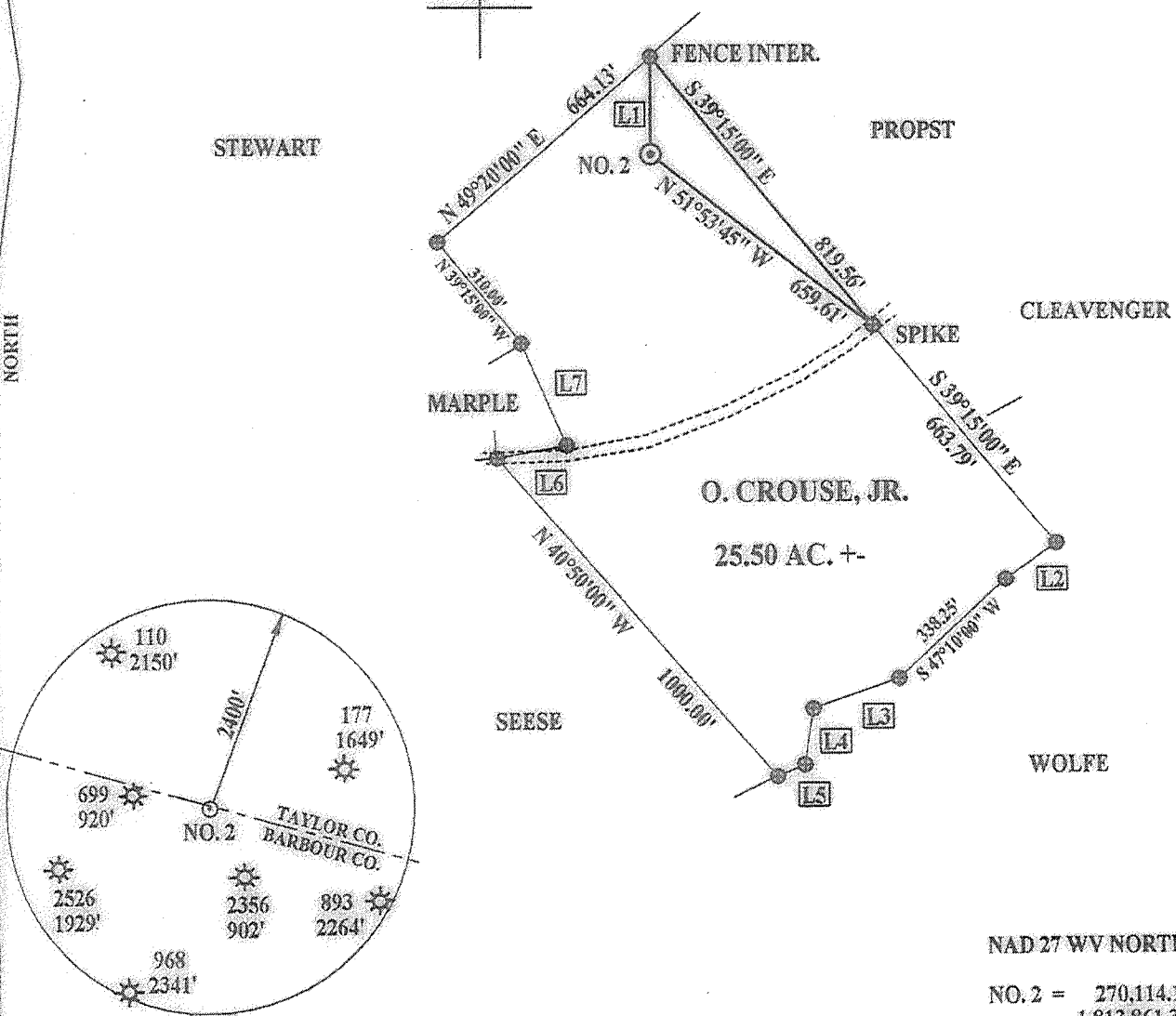
9,130' WEST  
 3,720' SOUTH

Id	Bearing	Distance
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39-14-23.28  
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NAD 27 WV NORTH SPC:

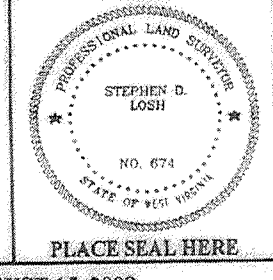
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 MINIMUM DEGREE OF ACCURACY: SUBMETER  
 PROVEN SOURCE OF ELEVATION: DGPS SURVEY  
SUBMETER SYSTEM

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(SIGNED)   
 STEPHEN D. LOSH, P.S. #674



STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS  
 #10 McJUNKIN ROAD  
 NITRO, WV 25143-2596

LAND SURVEYING SERVICES  
 21 CEDAR LANE, BRIDGEPORT, WV 26333  
 PHONE: 304-842-2018 OR 842-5712

DATE: AUGUST 15, 2008  
 OPERATOR'S WELL NO.: CROUSE NO. 2  
 API WELL NO. 47-001-03000

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION X WASTE DISPOSAL \_\_\_ CBM \_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 1288.97' WATERSHED BARTLETT RUN  
 DISTRICT PLEASANT COUNTY BARBOUR  
 QUADRANGLE BROWNTON LEASE NUMBER 398600  
 SURFACE OWNER ORLAN CROUSE, JR. & JEANNE CROUSE ACREAGE 25.50 (9-07)  
 OIL & GAS ROYALTY OWNER ORLAN CROUSE, JR., ET. AL. LEASE ACREAGE 30.50

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_  
 PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_

TARGET FORMATION Benson PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
 ESTIMATED DEPTH 5000'

WELL OPERATOR PETROLEUM DEVELOPMENT CORPORATION DESIGNATED AGENT ALAN SMITH  
 ADDRESS 120 GENESIS BLVD., BRIDGEPORT, WV 26330 ADDRESS 120 GENESIS BLVD., BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

07/19/2013