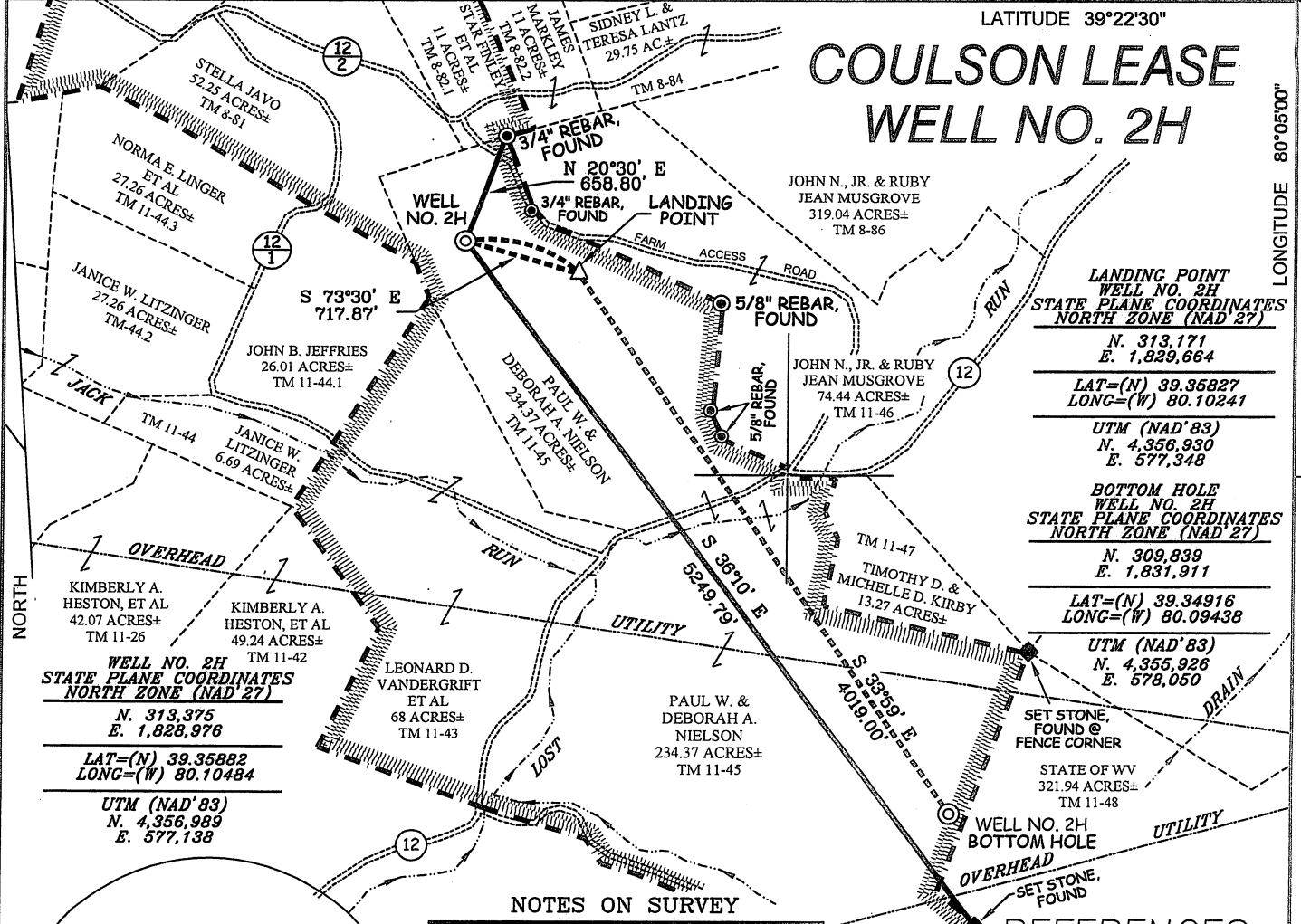


COULSON LEASE WELL NO. 2H



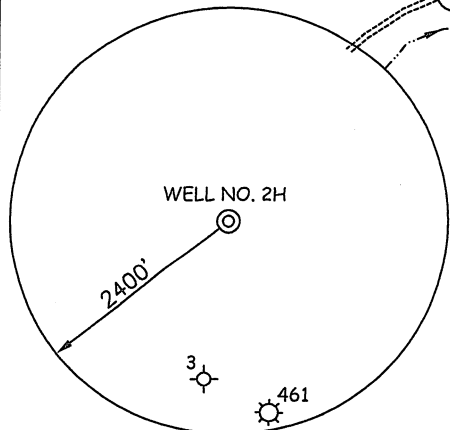
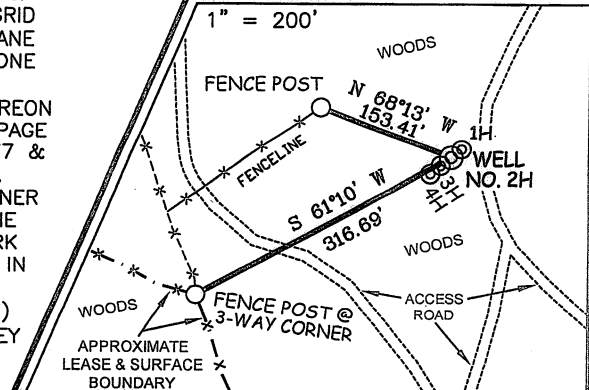
LANDING POINT WELL NO. 2H STATE PLANE COORDINATES NORTH ZONE (NAD '27)	
N. 313,171	E. 1,829,664
LAT=(N) 39.35827 LONG=(W) 80.10241	
UTM (NAD'83) N. 4,356,930 E. 577,348	
BOTTOM HOLE WELL NO. 2H STATE PLANE COORDINATES NORTH ZONE (NAD '27)	
N. 309,839	E. 1,831,911
LAT=(N) 39.34916 LONG=(W) 80.09438	
UTM (NAD'83) N. 4,355,926 E. 578,050	

WELL NO. 2H STATE PLANE COORDINATES NORTH ZONE (NAD '27)	
N. 313,375	E. 1,828,976
LAT=(N) 39.35882 LONG=(W) 80.10484	
UTM (NAD'83) N. 4,356,989 E. 577,138	

NOTES ON SURVEY

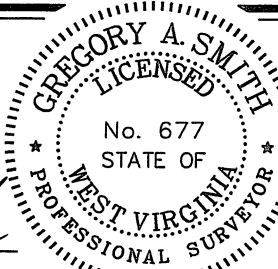
1. TIES TO WELLS, CORNERS, & REFERENCES ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 255 PAGE 442, DEED BOOK 103 PAGE 477 & DEED BOOK 302 PAGE 551.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF TAYLOR COUNTY IN JULY, 2010.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS (SURVEY 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 AUGUST 2, 20 11
 OPERATORS WELL NO. COULSON #2H
 API WELL NO. 47 - 091 - 01254H
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7645P2HR3 (360-36)
 PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE TIE CORS NETWORK) SCALE 1" = 1,000'

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 1,506' (GROUND) 1,498' (PROPOSED) WATERSHED JACK RUN AND LOST RUN
 DISTRICT BOOTH'S CREEK COUNTY TAYLOR QUADRANGLE GRAFTON 7.5'

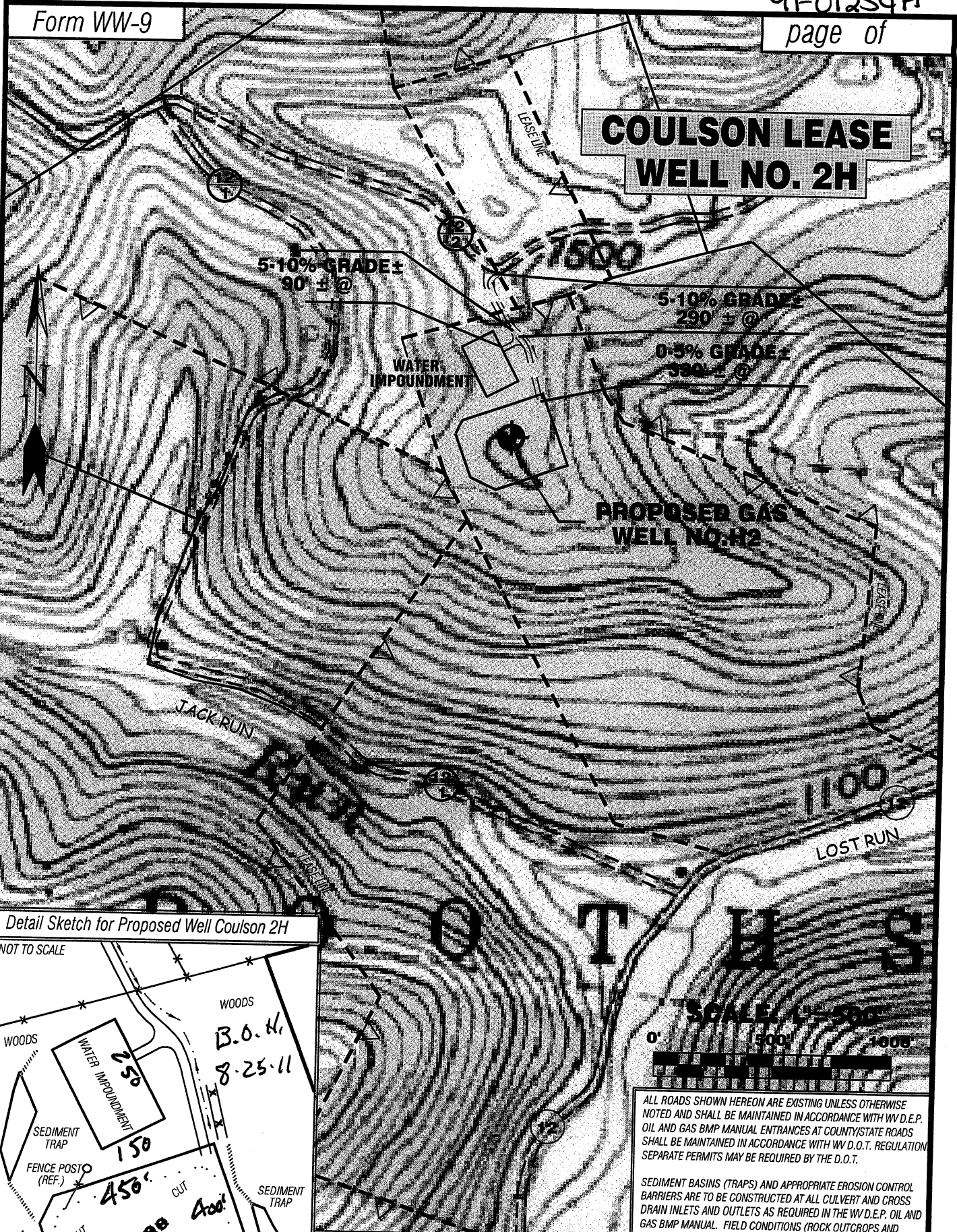
SURFACE OWNER PAUL W. & DEBORAH A. NIELSON ACREAGE 234.37±
 ROYALTY OWNER ANN COULSON LEASE ACREAGE 234.37±

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 MARCELLUS
 ESTIMATED DEPTH TD = 7,700' TMD = 11,720'

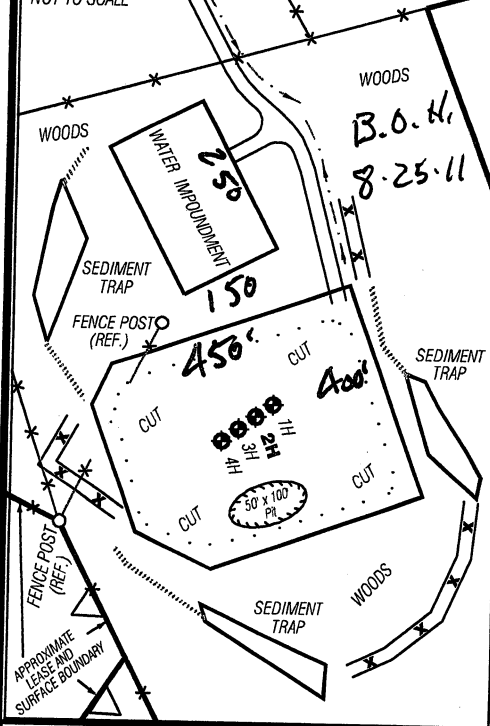
WELL OPERATOR TRIANA ENERGY, LLC. DESIGNATED AGENT RACHELLE A. KING
 ADDRESS 900 VIRGINIA ST. EAST SUITE 400 CHARLESTON, WV 25301 ADDRESS 900 VIRGINIA ST. EAST SUITE 400 CHARLESTON, WV 25301

**COULSON LEASE
WELL NO. 2H**



Detail Sketch for Proposed Well Coulson 2H

NOT TO SCALE



**TOPO SECTION OF USGS
GRAFTON 7.5' QUADRANGLE**

**PROPOSED CULVERT INVENTORY
(FOR BID PURPOSES ONLY)**

15" (MINIMUM) CULVERT	1 CUL.
ADDITIONAL CULVERTS AND/OR OTHER DRAINAGE STRUCTURES & SEDIMENT CONTROL DEVICES MAY BE REQUIRED BY THE WV D.E.P. OIL & GAS INSPECTOR.	
OPERATOR IS RESPONSIBLE FOR COORDINATION WITH CONTRACTOR AND SLS REGARDING ANY CHANGES OR ADDITIONS THE STATE MAY REQUIRE.	

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).

Projected Earthen Disturbance Area

Well & Pit Location Sites	10.76 ac. +/-
Access Road	1.21 ac. +/-
Approximate Total Disturbance	11.97 ac. +/-

- = EXISTING CULVERT
- = PROPOSED CULVERT 12" MIN. UNLESS OTHERWISE NOTED

SLS
SMITH LAND SURVEYING, INC.
P.O. BOX 150 GLENVILLE, WV. 26351
PH: (304) 462-5634 FAX: (304) 462-5656 E-MAIL: sls@slsurveys.com

DRAWN BY K.E.S.	FILE NO. 7645	DATE 08/03/11	CADD FILE: 7645 Rec H2R.dwg
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