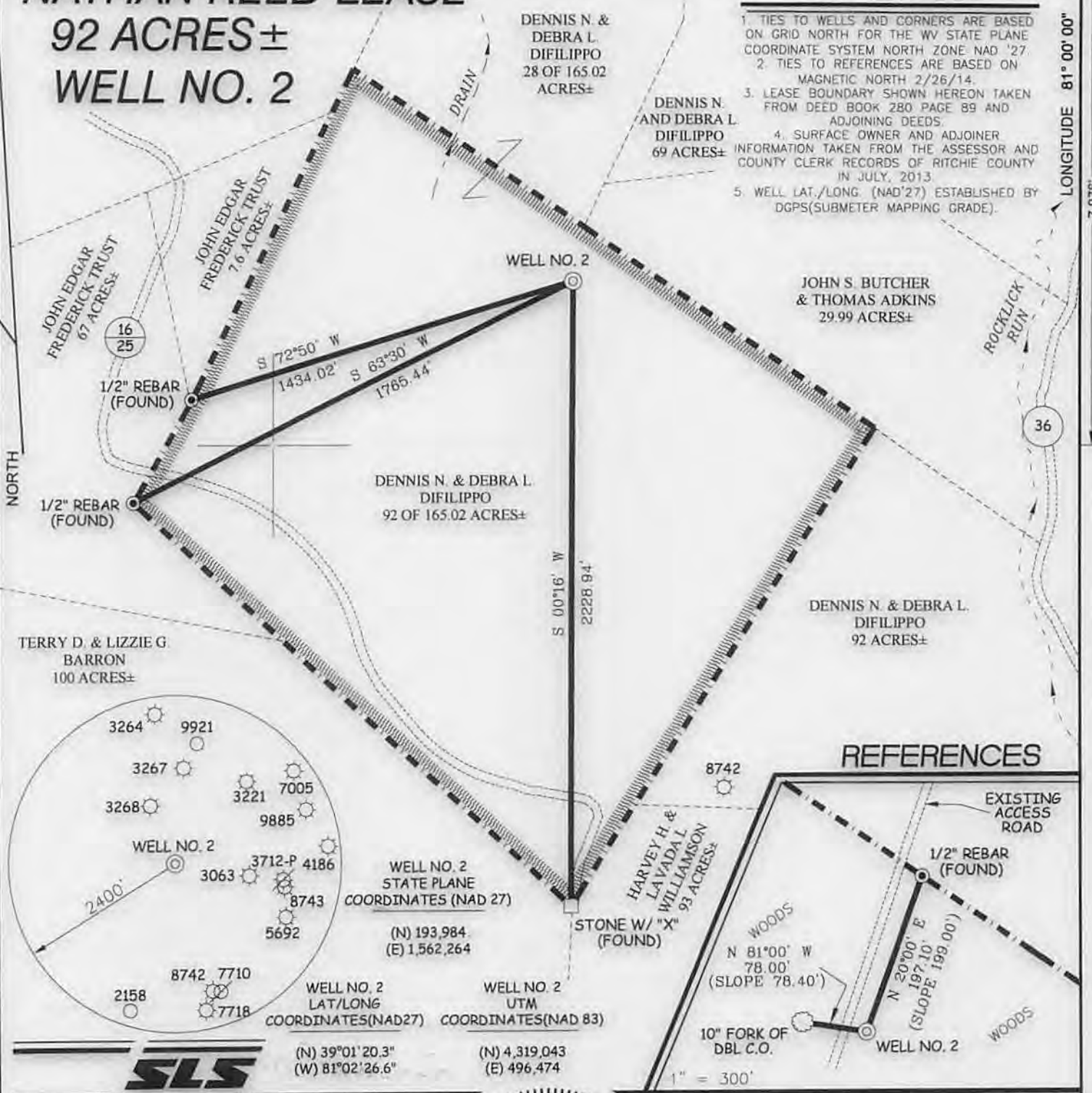


# NATHAN REED LEASE

## 92 ACRES± WELL NO. 2

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 2/26/14.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 280 PAGE 89 AND ADJOINING DEEDS.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JULY, 2013.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

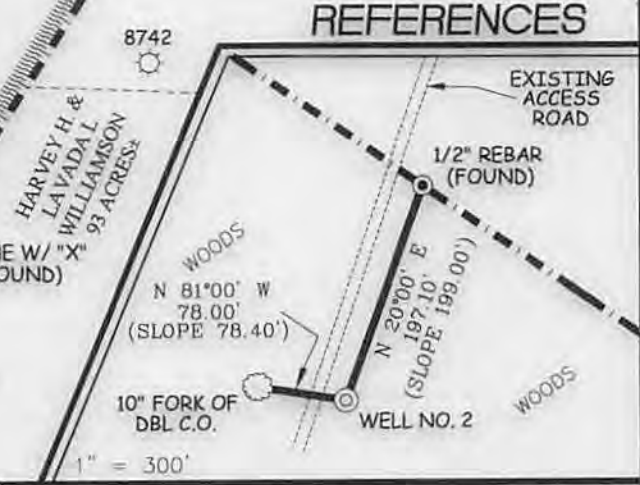
LONGITUDE 81° 00' 00"  
7,076'



WELL NO. 2  
STATE PLANE  
COORDINATES (NAD 27)  
(N) 193,984.  
(E) 1,562,264

WELL NO. 2  
UTM  
COORDINATES (NAD 83)  
(N) 4,319,043  
(E) 496,474

WELL NO. 2  
LAT/LONG  
COORDINATES (NAD27)  
(N) 39°01'20.3"  
(W) 81°02'26.6"



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 MARCH 3, 20 14  
OPERATORS WELL NO. NATHAN REED #2  
API WELL NO. 47 - 85 - 10120  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7774P2(497-18)  
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 <input type="checkbox"/> GAS <input checked="" type="checkbox"/>	LIQUID INJECTION <input type="checkbox"/>	WASTE DISPOSAL <input type="checkbox"/>	IF "GAS" PRODUCTION <input checked="" type="checkbox"/>	STORAGE <input type="checkbox"/>	DEEP <input type="checkbox"/>	SHALLOW <input checked="" type="checkbox"/>
LOCATION: ELEVATION 1,175' WATERSHED ROCKLICK RUN & TRIBUTARY TO LEATHERBARK CREEK						
DISTRICT MURPHY		COUNTY RITCHIE		QUADRANGLE SMITHVILLE 7.5'		
SURFACE OWNER DENNIS N. & DEBRA L. DIFILIPPO			ACREAGE 92 OF 165.02±			
ROYALTY OWNER NATHAN REED HEIRS OR ASSIGNS, ET AL			LEASE ACREAGE 92±		LEASE NO. _____	
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG <input type="checkbox"/> OTHER <input type="checkbox"/>						
PHYSICAL CHANGE IN WELL (SPECIFY) _____			TARGET FORMATION RHINESTREET		ESTIMATED DEPTH 6,300'	

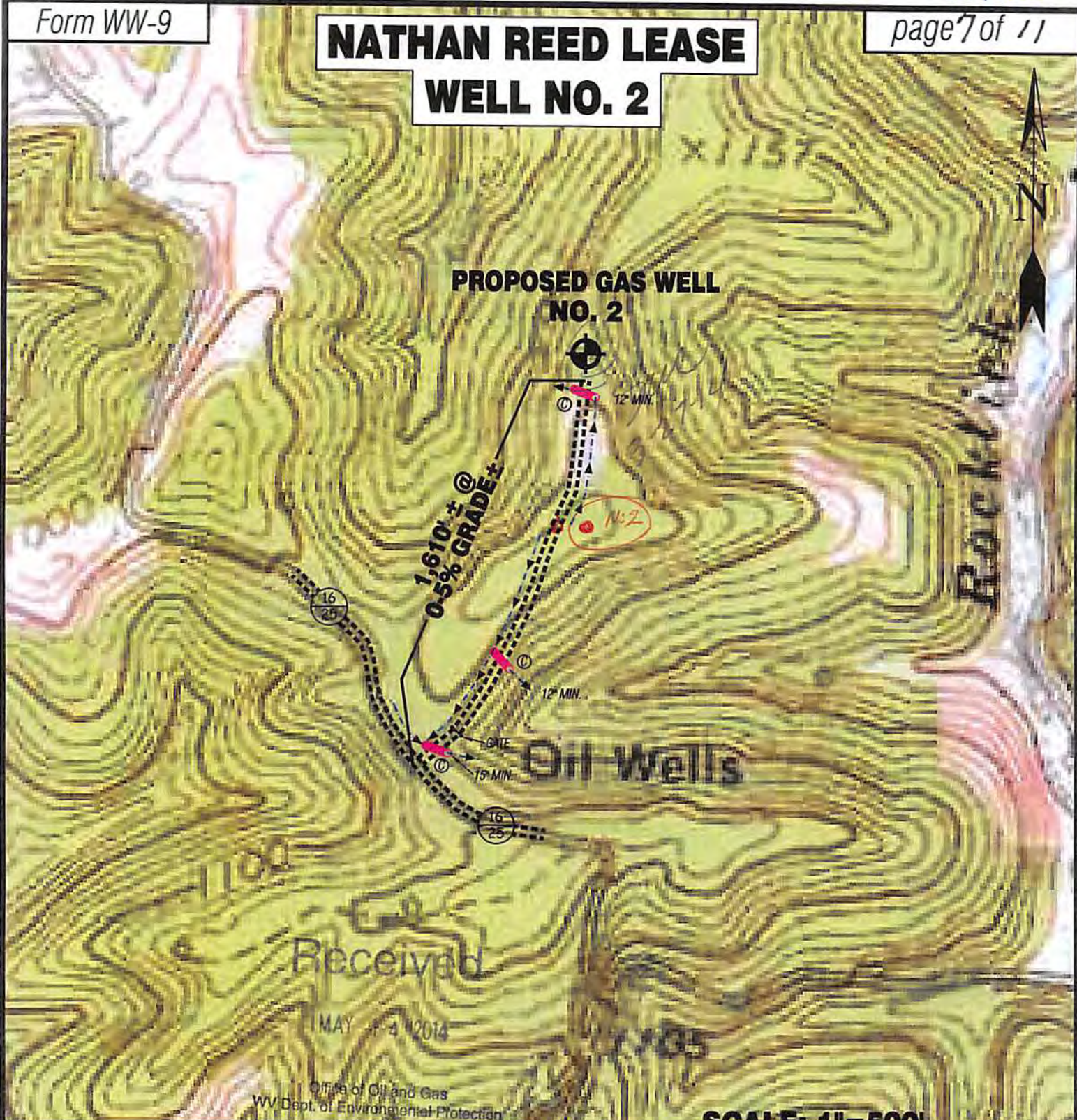
WELL OPERATOR MURVIN & MEIER OIL CO. DESIGNATED AGENT P. NATHAN BOWLES, JR.  
ADDRESS P.O. BOX 396 ADDRESS P.O. BOX 1237  
OLNEY, IL 62450 CHARLESTON, WV 25325

06/06/2014

COUNTY NAME  
PERMIT



# NATHAN REED LEASE WELL NO. 2



Received

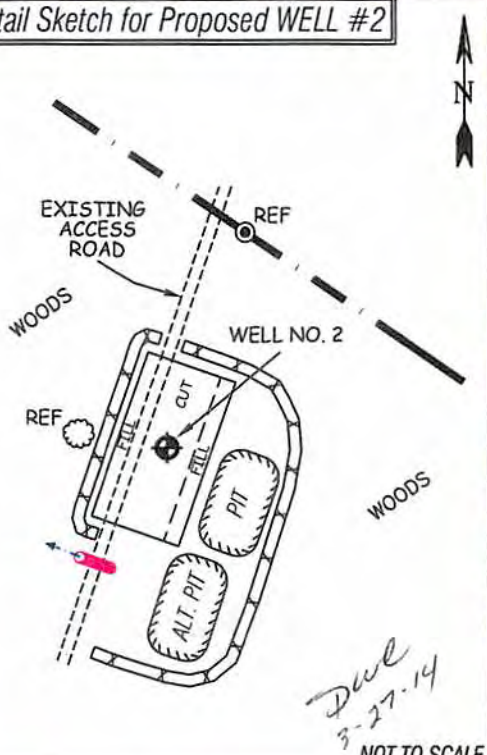
MAY 4 2014

Office of Oil and Gas  
WV Dept. of Environmental Protection

SCALE: 1"=500'



### Detail Sketch for Proposed WELL #2



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 (SIZE AS STATED)

= PROPOSED STREAM CROSSING



**Professional Energy Consultants**  
A DIVISION OF SMITH LAND SURVEYING

SURVEYORS PROJECT MGMT. **SLS** ENGINEERS ENVIRONMENTAL

P.O. Box 150 Glenville, WV 26031 (304) 482-6634  
56085 Dixie Bottom Road Shady Side, OH 43087 (740) 671-9611

HONESTY. INTEGRITY. QUALITY

DRAWN BY K.G.M.	FILE NO. 7774	DATE 02/28/14	CADD FILE: 7774REC2.DWG
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06/06/2014