



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304
(304) 926-0450
(304) 926-0452 fax

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

PERMIT MODIFICATION APPROVAL

January 08, 2014

ENERGY CORPORATION OF AMERICA
501 56TH STREET
CHARLESTON, WV 25304

Re: Permit Modification Approval for API Number 10100124, Well #: SUN LUMBER 3MH

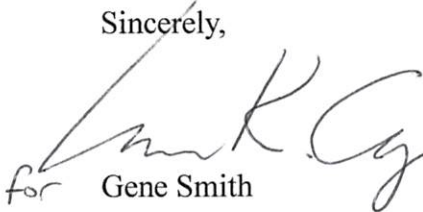
Changed bottom hole

Oil and Gas Operator:

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

Please call James Martin at 304-926-0499, extension 1654 if you have any questions.

Sincerely,


for Gene Smith
Regulatory/Compliance Manager
Office of Oil and Gas



Energy Corporation of America

501 56th Street, SE
Charleston, WV 25304
(304) 925-6100
Fax: (304) 925-9682

Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

August 12, 2013

Re: Sun Lumber #3MH API. 47-101-0124

To Whom it May Concern:

As per my conversations with Inspector Bryan Harris. I have included in this package an updated plat for Energy Corporation of America's Sun Lumber #3MH, API. 47-101-0124, located in Webster County, West Virginia.

If you have any questions in regards to the plat, please contact me at Energy Corporation of America's Charleston office.

Thanks Again,

Brannon Kreig
Landman
Energy Corporation of America
501 56th Street
Charleston, WV 25304
(304)- 925-6100



www.energycorporationofamerica.com

Received

AUG 14 2013

Office of Oil and Gas
WV Dept. of Environmental Protection

01/10/2014

WELL NO. 3MH
STATE PLANE COORDINATES
(SOUTH ZONE NAD '27)
 N. 618,690
 E. 2,151,637

WELL NO. 3MH (NAD 27)
 LAT=(N) 38.69787
 LONG=(W) 80.46870

WELL NO. 3MH (NAD 27)
 LAT=(N) 38°41'52.3"
 LONG=(W) 80°28'07.3"

UTM (NAD 83) (METERS)
 N. 4,283,395
 E. 546,218

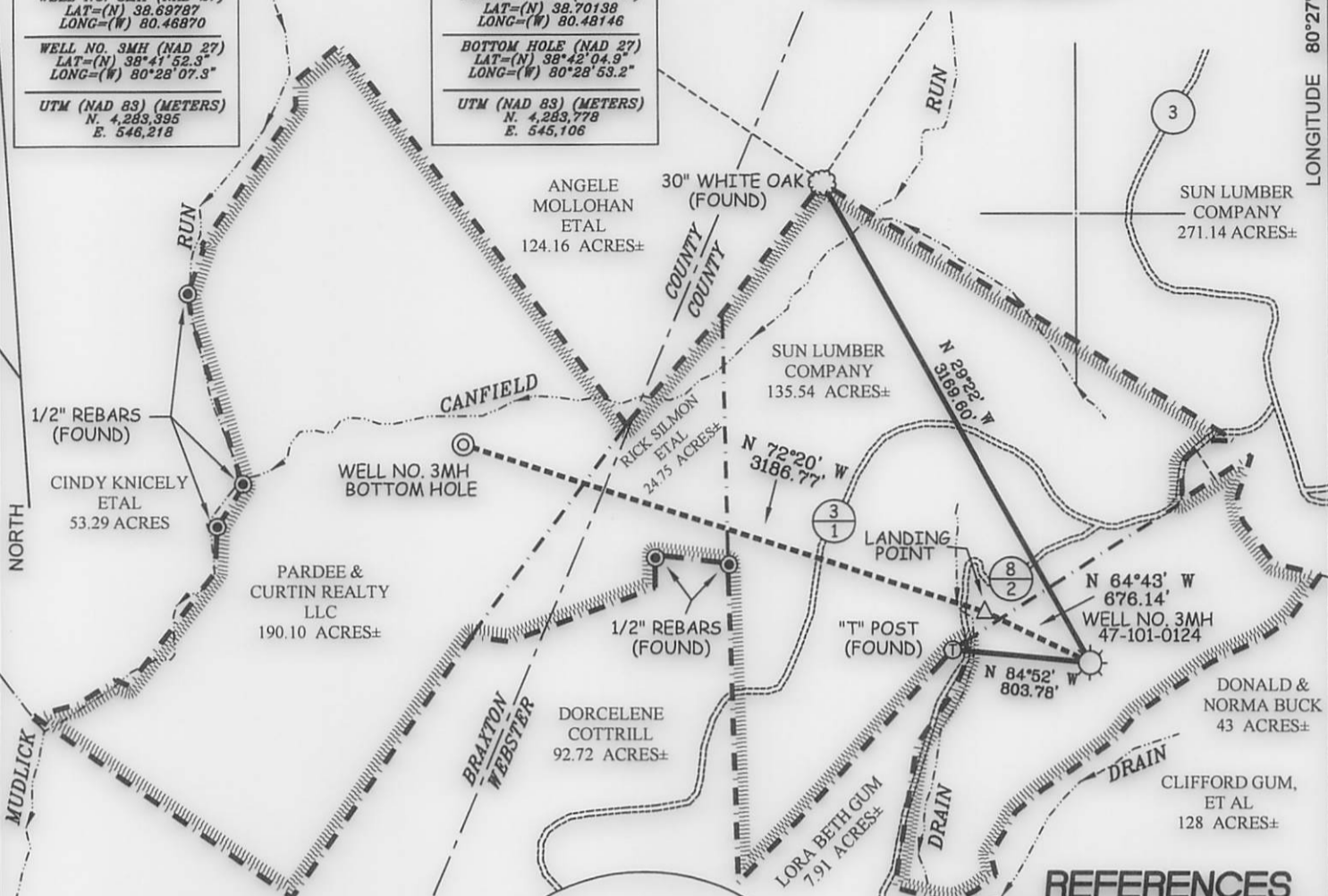
BOTTOM HOLE
STATE PLANE COORDINATES
(SOUTH ZONE NAD '27)
 N. 619,946
 E. 2,147,989

BOTTOM HOLE (NAD 27)
 LAT=(N) 38.70138
 LONG=(W) 80.48146

BOTTOM HOLE (NAD 27)
 LAT=(N) 38°42'04.9"
 LONG=(W) 80°28'53.2"

UTM (NAD 83) (METERS)
 N. 4,283,778
 E. 545,106

SUN LUMBER COMPANY LEASE WELL NO 3MH



NOTES ON SURVEY

1. TIES TO WELLS, REFERENCES, AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM MISC. BOOK 9 PAGE 271 AND ADJOINING DEEDS.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF WEBSTER & BRAXTON COUNTIES IN JULY, 2012.
4. WELL COORDINATES ESTABLISHED BY DGPS (SURVEY 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 AUGUST 6, 20 13
 OPERATORS WELL NO. 3MH
 API WELL NO. 47 - 101 - 00124 **HGA MOD**
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 7616P3MHR(422-66)
 PROVEN SOURCE OF ELEVATION DGPS (SURVEY GRADE) SCALE 1" = 1,000'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



WELL TYPE: OIL _____ LIQUID GAS INJECTION _____ WASTE DISPOSAL _____ IF "GAS" PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 1,786' WATERSHED LEFT FORK OF HOLLY RIVER
 DISTRICT HACKER VALLEY COUNTY WEBSTER QUADRANGLE HACKER VALLEY 7.5'

SURFACE OWNER DONALD & NORMA BUCK ACREAGE 43±
 ROYALTY OWNER DONALD & NORMA BUCK, ET AL LEASE ACREAGE 43, 135.54, 24.75 & 190.10

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 6,825'

WELL OPERATOR ENERGY CORPORATION OF AMERICA DESIGNATED AGENT RODNEY A. WINTERS
 ADDRESS 501 56TH STREET S.E. ADDRESS 501 56TH STREET S.E.
CHARLESTON, WV 25304 CHARLESTON, WV 25304

01/10/2014

COUNTY NAME PERMIT