

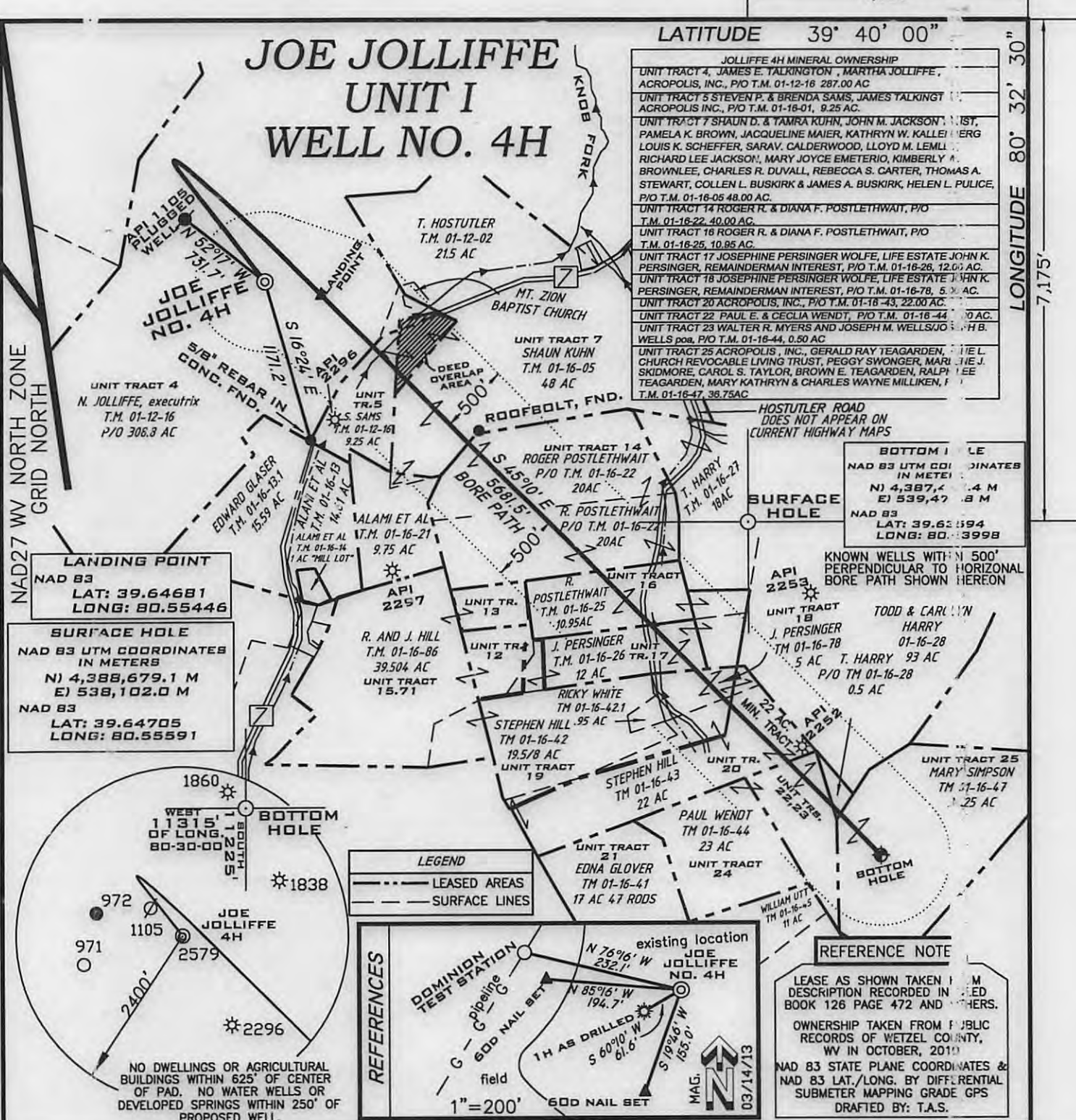
JOE JOLLIFFE UNIT I WELL NO. 4H

LATITUDE 39° 40' 00"

LONGITUDE 80° 32' 30"

JOLLIFFE 4H MINERAL OWNERSHIP	
UNIT TRACT 4, JAMES E. TALKINGTON, MARTHA JOLLIFFE, ACROPOLIS, INC., P/O T.M. 01-12-16	287.00 AC
UNIT TRACT 5 STEVEN P. & BRENDA SAMS, JAMES TALKINGTON, ACROPOLIS, INC., P/O T.M. 01-16-01,	9.25 AC
UNIT TRACT 7 SHAWN D. & TAMRA KUHN, JOHN M. JACKSON, J. WIST, PAMELA K. BROWN, JACQUELINE MAIER, KATHRYN W. KALLEBERG, LOUIS K. SCHEFFER, SARAV. CALDERWOOD, LLOYD M. LEMLEY, RICHARD LEE JACKSON, MARY JOYCE EMETERIO, KIMBERLY A. BROWNLEE, CHARLES R. DUVAL, REBECCA S. CARTER, THOMAS A. STEWART, COLLEN L. BUSKIRK & JAMES A. BUSKIRK, HELEN L. PULICE, P/O T.M. 01-16-05	48.00 AC
UNIT TRACT 14 ROGER R. & DIANA F. POSTLETHWAIT, P/O T.M. 01-16-22	40.00 AC
UNIT TRACT 16 ROGER R. & DIANA F. POSTLETHWAIT, P/O T.M. 01-16-25	10.85 AC
UNIT TRACT 17 JOSEPHINE PERSINGER WOLFE, LIFE ESTATE JOHN K. PERSINGER, REMAINDERMAN INTEREST, P/O T.M. 01-16-26,	12.00 AC
UNIT TRACT 18 JOSEPHINE PERSINGER WOLFE, LIFE ESTATE JOHN K. PERSINGER, REMAINDERMAN INTEREST, P/O T.M. 01-16-78,	5.00 AC
UNIT TRACT 20 ACROPOLIS, INC., P/O T.M. 01-16-43,	22.00 AC
UNIT TRACT 22 PAUL E. & CECLA WENDT, P/O T.M. 01-16-44,	23.00 AC
UNIT TRACT 23 WALTER R. MYERS AND JOSEPH M. WELLS, P/O T.M. 01-16-44,	0.50 AC
UNIT TRACT 25 ACROPOLIS, INC., GERALD RAY TEAGARDEN, THE L. CHURCH REVOCABLE LIVING TRUST, PEGGY SWONGER, MARI JIE J. SKIDMORE, CAROL S. TAYLOR, BROWN E. TEAGARDEN, RALPH LEE TEAGARDEN, MARY KATHRYN & CHARLES WAYNE MILLIKEN, P/O T.M. 01-16-47,	36.75 AC

NAD27 W NORTH ZONE GRID NORTH

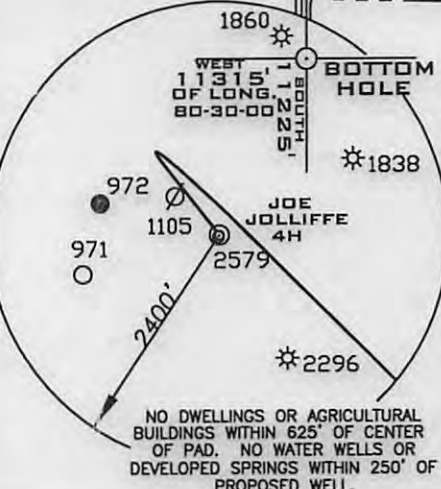


LANDING POINT
NAD 83
LAT: 39.64681
LONG: 80.55446

SURFACE HOLE
NAD 83 UTM COORDINATES IN METERS
N) 4,388,679.1 M
E) 538,102.0 M
NAD 83
LAT: 39.64705
LONG: 80.55591

BOTTOM HOLE
NAD 83 UTM COORDINATES IN METERS
N) 4,387,414.4 M
E) 539,471.8 M
NAD 83
LAT: 39.62594
LONG: 80.53998

KNOWN WELLS WITHIN 500' PERPENDICULAR TO HORIZONTAL BORE PATH SHOWN HEREON



LEGEND
--- LEASED AREAS
--- SURFACE LINES



REFERENCE NOTE
LEASE AS SHOWN TAKEN FROM DESCRIPTION RECORDED IN DEED BOOK 126 PAGE 472 AND OTHERS.
OWNERSHIP TAKEN FROM PUBLIC RECORDS OF WETZEL COUNTY, WV IN OCTOBER, 2010
NAD 83 STATE PLANE COORDINATES & NAD 83 LAT./LONG. BY DIFFERENTIAL SUBMETER MAPPING GRADE GPS
DRAFTED BY: T.A.S.

FILE NUMBER G100479(WB9-74)
DRAWING NUMBER G100479WP4H.dwg
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1/2500
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION

P.S. 1006 *Terry A. Shreve*



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

REVISED DATE: NOVEMBER 6, 2013
DATE: JULY 8, 2013
OPERATORS WELL NO. UNIT 1 WELL #4H
API WELL NO. 47-103-02930 H6A

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
STATE COUNTY PERMIT

LOCATION ELEVATION 1336' WATERSHED WETZEL TRIBUTARY OF NOB FORK
DISTRICT WETZEL CENTER WETZEL COUNTY WETZEL
QUADRANGLE LITTLETON 7.5' LEASE NUMBER SEE MINERAL OWNERSHIP TITLE

SURFACE OWNER Nancy E. Jolliffe, Executrix of the estate of Joe Jolliffe ACREAGE P/O 308.3±
OIL & GAS ROYALTY OWNER MARTHA JOLLIFFE, et al LEASE ACREAGE SEE MINERAL OWNERSHIP TITLE

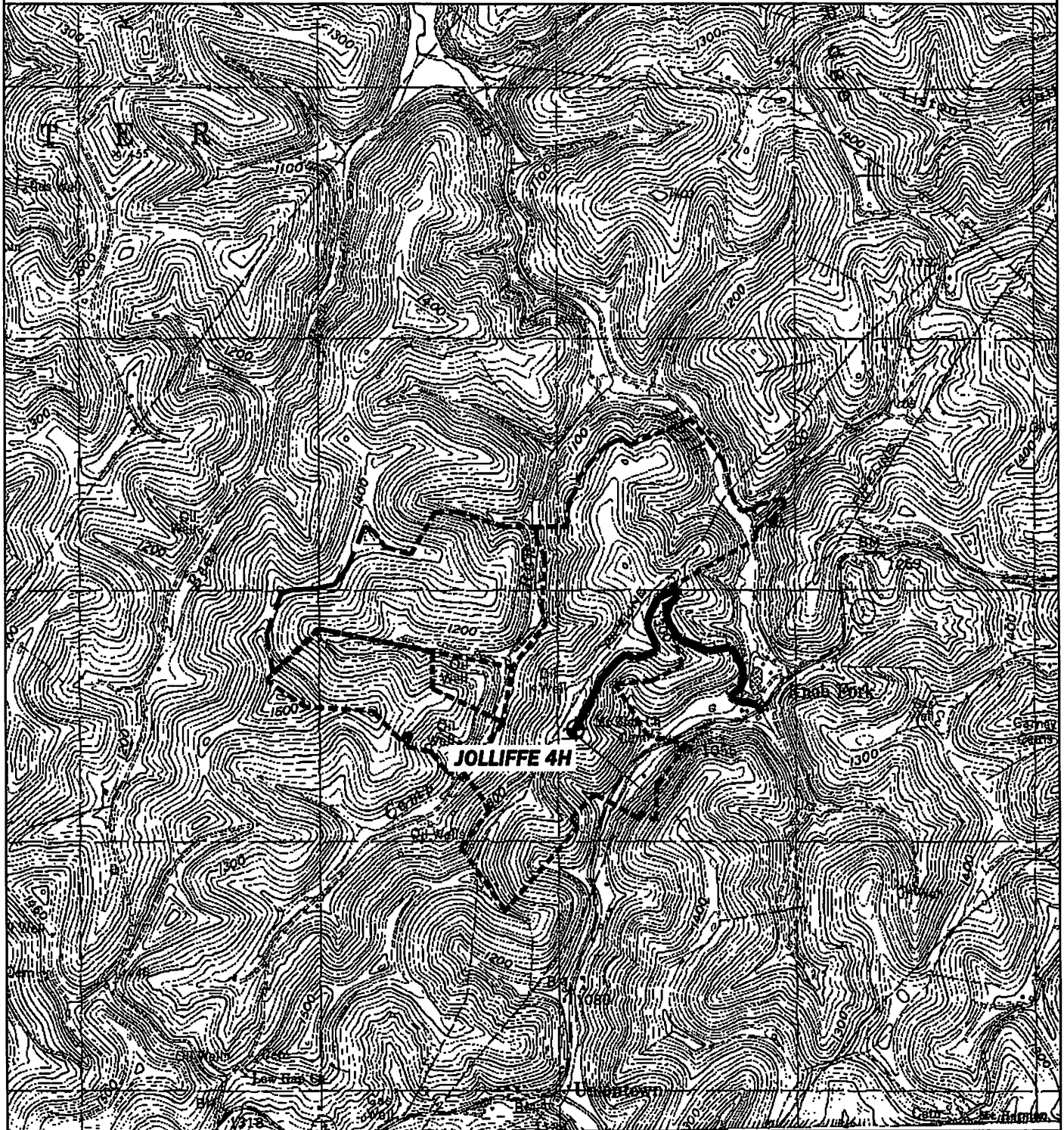
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY)
PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7330' + Horizontal Leg
WELL OPERATOR STATOIL USA ONSHORE PROPERTIES INC. DESIGNATED AGENT WILLIAM T. FAHEY II
ADDRESS 2103 CITYWEST BLVD., STE. 800 HOUSTON, TX 77042 ADDRESS 2116 PENNSYLVANIA AVE., WEIRTON, WV 26061

COUNTY NAME
PERMIT

11/15/2013

JOLLIFFE 4H



PREPARED BY: DMH 02-17	OPERATOR STATOIL USA ONSHORE PROPERTIES INC. 2103 CITYWEST BLVD., STE. 800 HOUSTON, TX 77042	TOPO SECTION LITTLETON 7.5' SCALE: 1"=2000'	WELL NAME JOLLIFFE 4H DATE: 04/30/2013
ANGLE RIGHT LAND SURVEYING, LLC PO BOX 681 GRANTSVILLE, WV 26147 (804) 384-0065 G100479			