

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.

LATITUDE 39°17'30"

**EQT PRODUCTION COMPANY
FLANAGAN LEASE
268 ACRES±
WELL NO. WV 514475**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT) N. 279,201.67 E. 1,595,781.38
 NAD'27 GEO. LAT-(N) 39.257756 LONG-(W) 80.927542
 NAD'83 UTM (M) N. 4,345,392.18 E. 506,266.12

LANDING POINT

NAD'27 S.P.C.(FT) N. 279,410.97 E. 1,596,974.49
 NAD'27 GEO. LAT-(N) 39.258382 LONG-(W) 80.923340
 NAD'83 UTM (M) N. 4,345,462.02 E. 506,828.53

BOTTOM HOLE

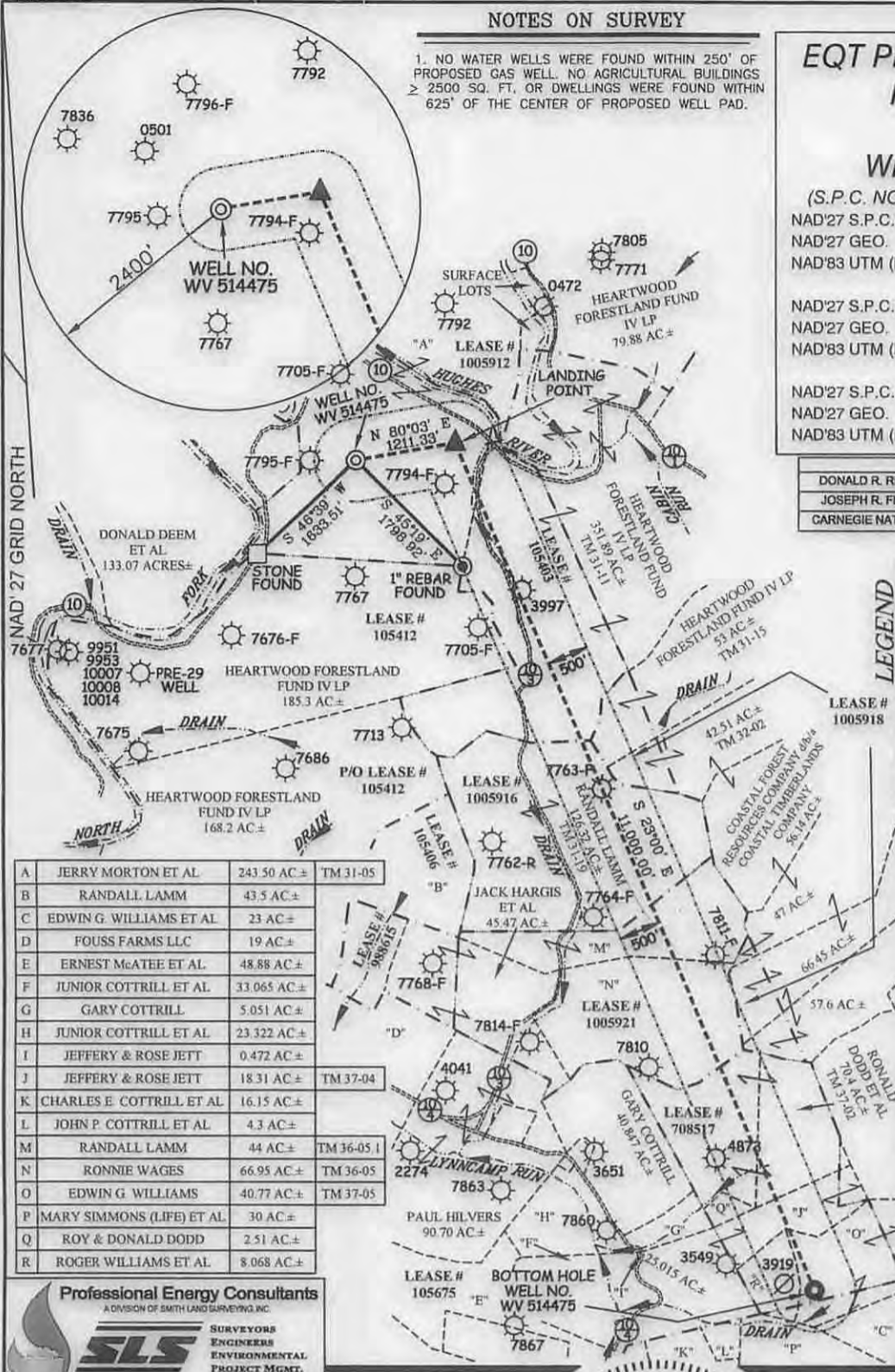
NAD'27 S.P.C.(FT) N. 269,285.41 E. 1,601,272.53
 NAD'27 GEO. LAT-(N) 39.230771 LONG-(W) 80.907603
 NAD'83 UTM (M) N. 4,342,399.19 E. 507,989.41

ROYALTY OWNERS

DONALD R. REYNOLDS ET AL	128 AC±	LEASE NO. 1005916
JOSEPH R. FLANAGAN ET AL	153 AC±	LEASE NO. 1005921
CARNEGIE NATURAL GAS ET AL	156 AC±	LEASE NO. 708517

NAD' 27 GRID NORTH

LONGITUDE 80°55'00"

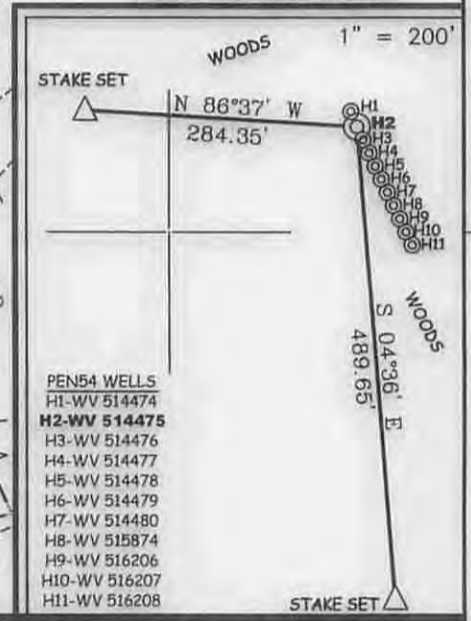


LEGEND

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- STATE ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP-PARCEL

TM 00-00

REFERENCES



A	JERRY MORTON ET AL	243.50 AC±	TM 31-05
B	RANDALL LAMM	43.5 AC±	
C	EDWIN G. WILLIAMS ET AL	23 AC±	
D	FOUSS FARMS LLC	19 AC±	
E	ERNEST McATEE ET AL	48.88 AC±	
F	JUNIOR COTTRILL ET AL	33.065 AC±	
G	GARY COTTRILL	5.051 AC±	
H	JUNIOR COTTRILL ET AL	23.322 AC±	
I	JEFFERY & ROSE JETT	0.472 AC±	
J	JEFFERY & ROSE JETT	18.31 AC±	TM 37-04
K	CHARLES E. COTTRILL ET AL	16.15 AC±	
L	JOHN P. COTTRILL ET AL	4.3 AC±	
M	RANDALL LAMM	44 AC±	TM 36-05.1
N	RONNIE WAGES	66.95 AC±	TM 36-05
O	EDWIN G. WILLIAMS	40.77 AC±	TM 37-05
P	MARY SIMMONS (LIFE) ET AL	30 AC±	
Q	ROY & DONALD DODD	2.51 AC±	
R	ROGER WILLIAMS ET AL	8.068 AC±	

Professional Energy Consultants
 A DIVISION OF SMITH LAND SURVEYING, INC.
SLS SURVEYORS ENGINEERS ENVIRONMENTAL PROJECT MGMT.
 (304) 482-6634 WWW.SLSURVEYERS.COM

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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. 849 *C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JUNE 25 , 20 15
 REVISED JULY 01 , 20 15
 OPERATORS WELL NO. WV 514475
 API WELL NO. 47 - 085 - 1022766A
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8083P514475R
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

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: GROUND PROPOSED
 ELEVATION 1,016' 1,016' WATERSHED NORTH FORK HUGHES RIVER
 DISTRICT CLAY COUNTY RITCHIE QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER JERRY MORTON ET AL ACREAGE 243.50±
 ROYALTY OWNER ELLEN S. FRANCAVIGLIA ET AL ACREAGE 268±

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

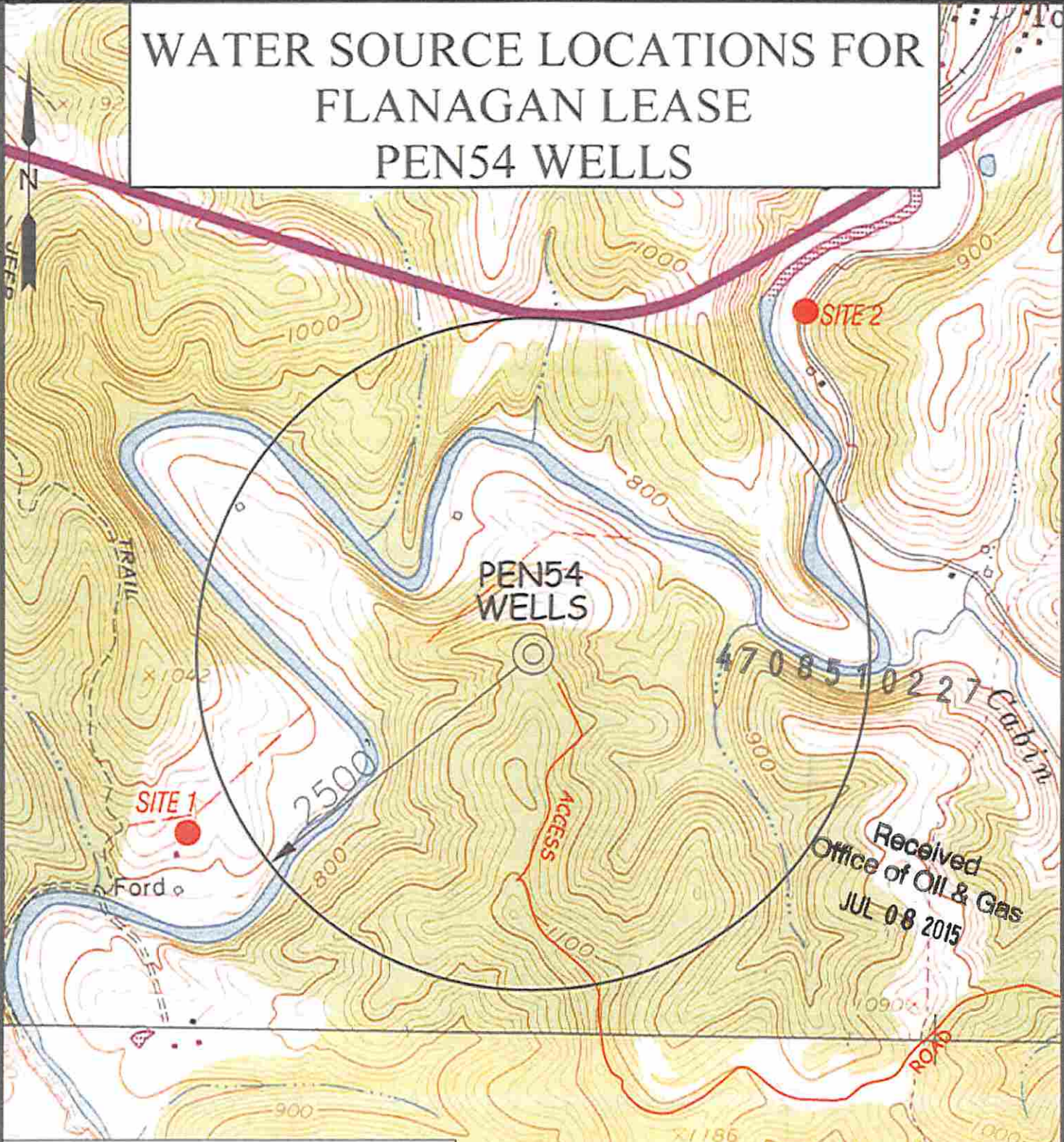
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION MARCELLUS
 ESTIMATED DEPTH TVD 6,275'

WELL OPERATOR EQT PRODUCTION COMPANY DESIGNATED AGENT REX C. RAY
 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330 ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280 BRIDGEPORT, WV 26330

COUNTY NAME
 PERMIT

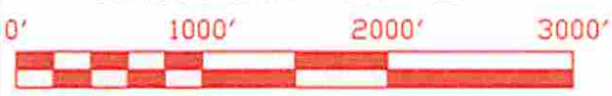
08/21/2015

WATER SOURCE LOCATIONS FOR FLANAGAN LEASE PEN54 WELLS



Received
Office of Oil & Gas
JUL 08 2015

SCALE: 1-INCH = 1000-FEET



LEGEND
● WATER WELL

Professional Energy Consultants
A DIVISION OF METHUEN CONSULTING, INC.

SLS SURVEYORS
ENGINEERS
ENVIRONMENTAL
PROJECT MANAGERS

DRAWN BY: K.D.W. FILE NO. 8083 DATE: 06/02/15 CADD FILE: 8083WSP084.dwg

TOPO SECTION OF:
PENNSBORO, WV 7.5' QUAD

DISTRICT	COUNTY	TAX MAP-PARCEL NO.
CLAY	RITCHIE	31-09

OPERATOR:
EQT PRODUCTION COMPANY
115 PROFESSIONAL PLACE
P.O. BOX 280
BRIDGEPORT, WV 26308

08/21/2015