

**EQT PRODUCTION COMPANY
CARR LEASE 351 ACRES±
WELL NO. WV 513164**

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

NAD'27 S.P.C.(FT)	N. 318,208.5	E. 1,661,537.7
NAD'27 GEO.	LAT-(N) 39.367479	LONG-(W) 80.697182
NAD'83 UTM (M)	N. 4,357,610.4	E. 526,100.6

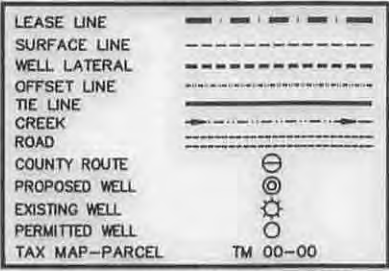
LANDING POINT

NAD'27 S.P.C.(FT)	N. 316,672.4	E. 1,659,315.1
NAD'27 GEO.	LAT-(N) 39.370458	LONG-(W) 80.704970
NAD'83 UTM (M)	N. 4,357,131.2	E. 525,431.2

BOTTOM HOLE

NAD'27 S.P.C.(FT)	N. 319,353.6	E. 1,657,065.4
NAD'27 GEO.	LAT-(N) 39.370458	LONG-(W) 80.713054
NAD'83 UTM (M)	N. 4,357,936.5	E. 524,732.2

A	JUANITA KRAFFT ET AL	69 AC±	TM 06-07
B	CONNIE MARTIN (LIFE)	25.44 AC±	TM 06-4.1
C	ELIZABETH CONNOR	34.81 AC±	TM 06-14
D	JACK TRAVIS	10.31 AC±	
E	HERSCHEL L. THOMAS	0.46 AC±	
F	IDA M. CHILDERS (LIFE)	2.04 AC±	
G	WILLIAM & MELISSA DUFFELMEYER	4.37 AC±	
H	CLYDE McMILLAN EST. ET AL	4.23 AC±	
I	NOLA S. McMILLAN ET AL	24.75 AC±	
J	MIRJAN & ANKA BERAM	20.65 AC±	
K	DAWNETTE F. WILSON ET AL	22.28 AC±	
L	DAWNETTE F. WILSON ET AL	21.36 AC±	
M	MIRJANA BERAM	9.571 AC±	
N	CAROL IRWIN ET AL	8.047 AC±	
O	CAROL IRWIN ET AL	15.128 AC±	
P	JOHN A. McMILLAN	19 AC±	
Q	KENNETH R. BONNELL	1.93 AC±	TM 06-2.2
R	ROXANN LEASURE ET AL	3.75 AC±	TM 06-2.1

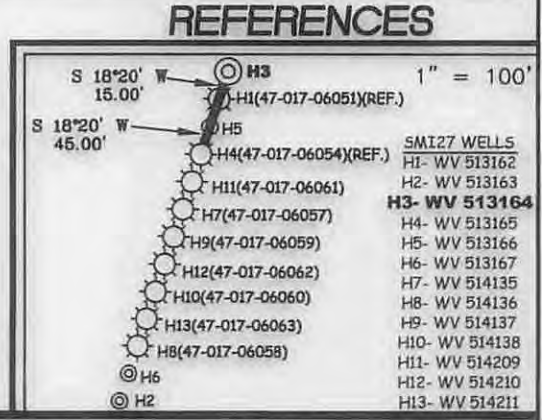


NOTES ON SURVEY

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.

ROYALTY OWNERS

C.S. UNDERWOOD ET AL	75 AC±	LEASE NO. 104930
E.H. GARRETT	234 AC±	LEASE NO. 108102



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. 677
Gregory A. Smith



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE JULY 26, 20 11
REVISED 05/17/12, 10/09/14 & 10/22/14
OPERATORS WELL NO. WV 513164
API WELL NO. 47-17-06690
STATE WV COUNTY DODDRIDGE PERMIT H6A

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 7584P513164R4
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

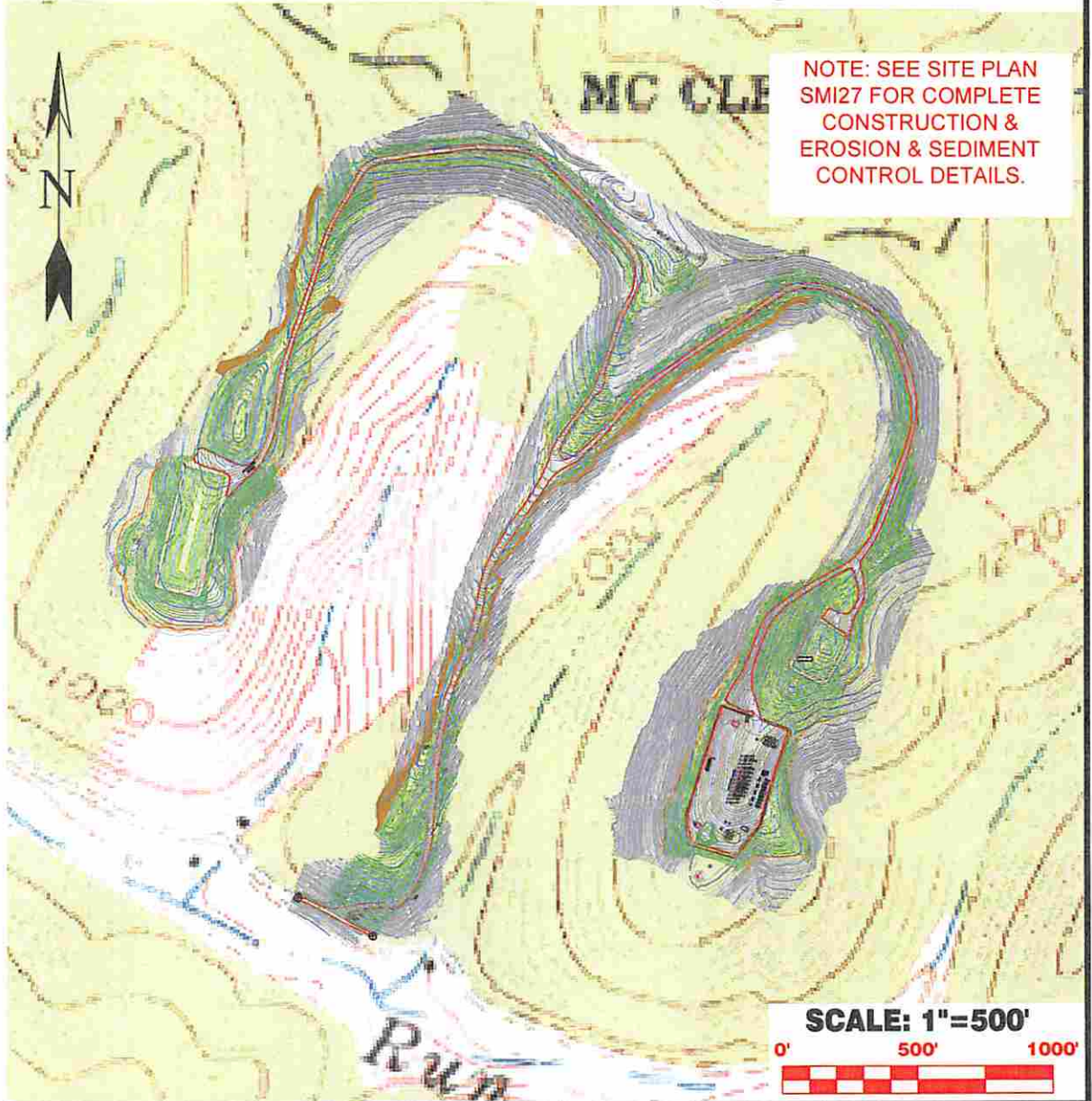
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,178' (EXISTING PAD) WATERSHED BRUSH RUN OF FLINT RUN
DISTRICT GRANT COUNTY DODDRIDGE QUADRANGLE SMITHBURG 7.5'
SURFACE OWNER DAVID WENTZ ACREAGE 30±
ROYALTY OWNER PATTY J. & R. KEITH CRIHFIELD ACREAGE 351±
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 7,034'

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

05/15/2015

CARR LEASE LEASE SMI27 WELL NO.S WV 513163, WV 513164, WV WV 513166 & WV 513167 0 6 6 9 0



Detail Sketch for Proposed SMI27 Well No.s WV 513163, WV 513164, WV 513166 & WV 513167

Received
Office of Oil & Gas
NOV 20 2014



NOT TO SCALE

Professional Energy Consultants
A DIVISION OF SMITHLAND SURVEYING, INC.

SLS SURVEYORS
ENGINEERS
ENVIRONMENTAL
PROJECT MGMT.

(304) 482-5634 WWW.SLSURVEYS.COM

DRAWN BY K.D.W.	FILE NO. 7584	DATE 10-22-14	CADD FILE: 7584AREC-R.dwg
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TOPO SECTIONS OF SMITHBURG 7.5'
TOPO QUADRANGLE

NOTE: SEE SITE PLAN SMI27 FOR COMPLETE CONSTRUCTION & EROSION & SEDIMENT CONTROL DETAILS.