

SURVEYED LONGITUDE 80°59'01.11"

7,165'

LATITUDE: 39°17'30"

EQT PRODUCTION COMPANY WELL NO. WV 515472 JOHN P. THOMAS, ET AL LEASE

NOTES ON SURVEY

1. NO OCCUPIED DWELLINGS OR BUILDINGS 2500 SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY WITHIN 625' OF THE CENTER OF THE WELL PAD WERE OBSERVED.
2. NO WATER WELLS OR DEVELOPED SPRINGS USED FOR HUMAN OR DOMESTIC ANIMAL CONSUMPTION WERE FOUND WITHIN 250'.
3. SURFACE OWNERSHIP TAKEN FROM THE RITCHIE COUNTY TAX ASSESSOR AND COUNTY CLERK OFFICES IN OCTOBER, 2014.
4. WELL LATITUDE AND LONGITUDE FROM SURVEY GRADE OPUS SOLUTION DERIVED ON JULY 1, 2014.
5. BEARINGS SHOWN ARE BASED UPON THE WV STATE PLANE COORDINATE SYSTEM, NAD 83 GRID NORTH ZONE.
6. LEASE INFORMATION PROVIDED BY EQT PRODUCTION COMPANY

LEASE BOUNDARY	
OUTER LEASE BOUNDARY	
SURFACE BOUNDARY	
CREEK/STREAM	
ROADS	
CONTROLLED ACCESS R/W	
BOUNDARY	
PROPOSED LATERAL	
PERMITTED LATERAL	
500' LATERAL OFFSET	
EXISTING FENCELINE	
EXISTING GAS WELL (active)	
EXISTING GAS WELL (plugged)	
EXISTING GAS WELL (abandoned)	
GAS WELL (never drill)	
FOUND MONUMENT (as noted)	
WATER SOURCE	

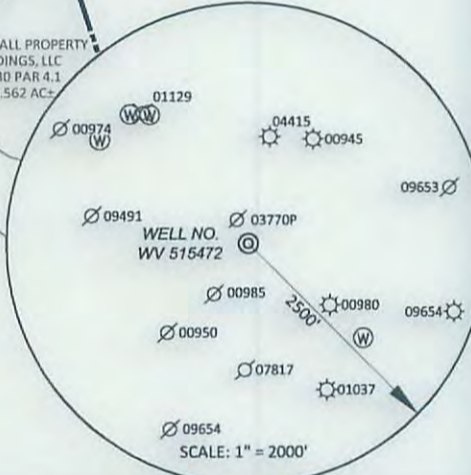
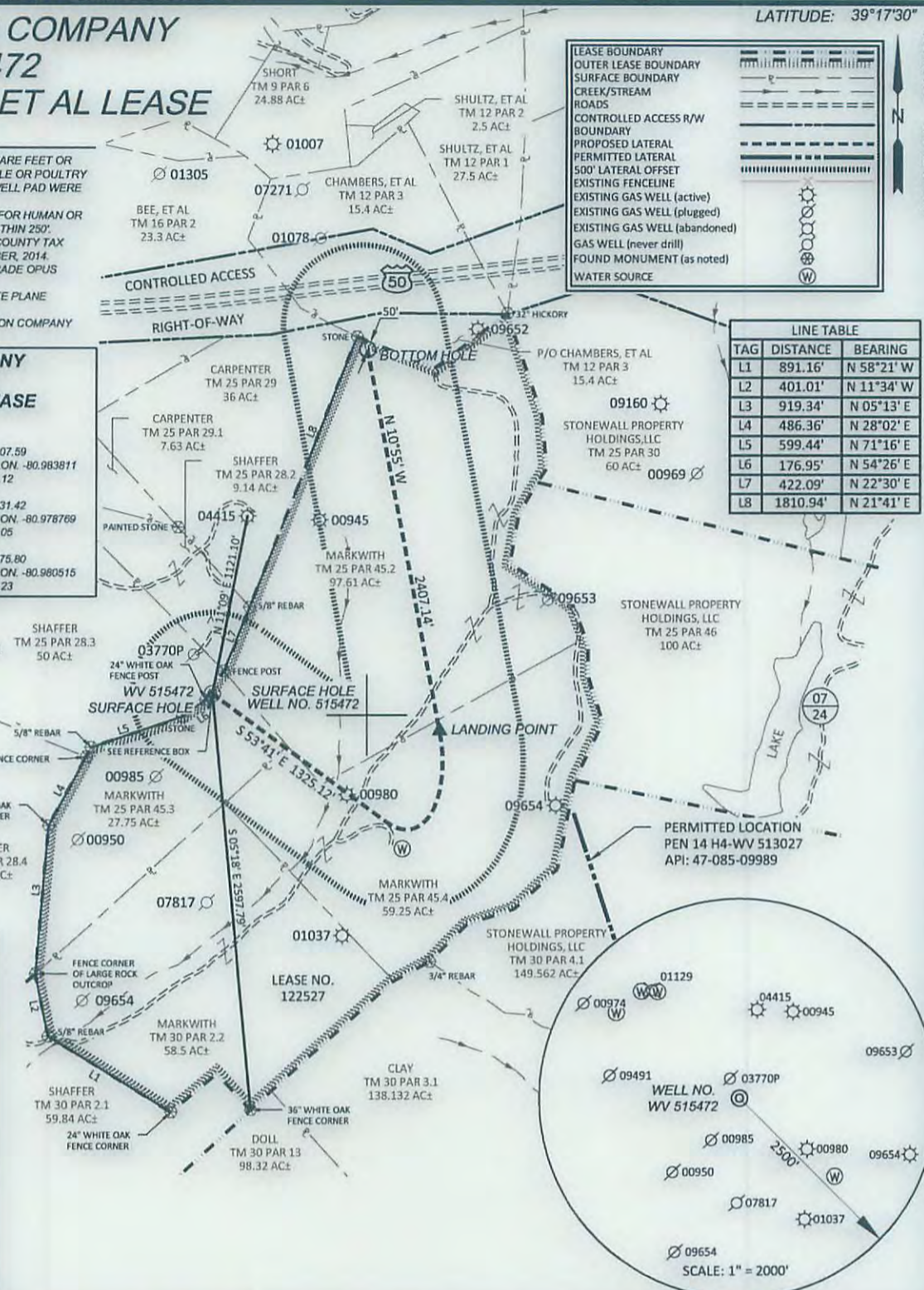
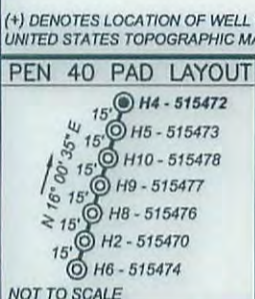
LINE TABLE		
TAG	DISTANCE	BEARING
L1	891.16'	N 58°21' W
L2	401.01'	N 11°34' W
L3	919.34'	N 05°13' E
L4	486.36'	N 28°02' E
L5	599.44'	N 71°16' E
L6	176.95'	N 54°26' E
L7	422.09'	N 22°30' E
L8	1810.94'	N 21°41' E

**EQT PRODUCTION COMPANY
WELL NO. WV 515472
JOHN P. THOMAS, ET AL LEASE
274 ACRES ±**

SURFACE HOLE
NAD '27 NORTH S.P.C.: N. 282956.78 E. 1579907.59
NAD '27 NORTH GEO. COORDINATES: LAT. 39.267358 LON. -80.983811
NAD '83 UTM 17N.: N. 4346455.31 E. 501411.12

LANDING POINT
NAD '27 NORTH S.P.C.: N. 282726.70 E. 1581331.42
NAD '27 NORTH GEO. COORDINATES: LAT. 39.266791 LON. -80.978769
NAD '83 UTM 17N.: N. 4346392.47 E. 501846.05

BOTTOM HOLE
NAD '27 NORTH S.P.C.: N. 285090.34 E. 1580875.80
NAD '27 NORTH GEO. COORDINATES: LAT. 39.273259 LON. -80.980515
NAD '83 UTM 17N.: N. 4347110.23 E. 501695.23



600 Marketplace Avenue, Suite 200
Bridgeport, WV 26330
Toll Free 855-488-9539
Fax 304-933-3327

Civil & Environmental Consultants, Inc.



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 rules issued and prescribed by the Division of Environmental Protection.

DATE JANUARY 21, 2016

SCALE 1" = 1000' ACCURACY 1:200

OPERATORS WV 515472

WELL No. 47 - 085 - 10270 HGA

API No. 47 - 085 - 10270 HGA

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



TYPE OF WELL:

GAS:
Production Storage *Deep *Shallow

PROPOSED WORK ON LOCATION:
Drill Drill Deeper Redrill Convert
Fracture/ Stimulate *Plug off to Formation
Perforate New Formation Plug and Abandon
Clean/ Replug Other Than Above
If "Other" Please see Details below—
DETAILS OF PROPOSED WORK _____

*TARGET FORMATION MARCELLUS
ESTIMATED DEPTH 6,267'

WELL AREA & LOCATION INFORMATION:

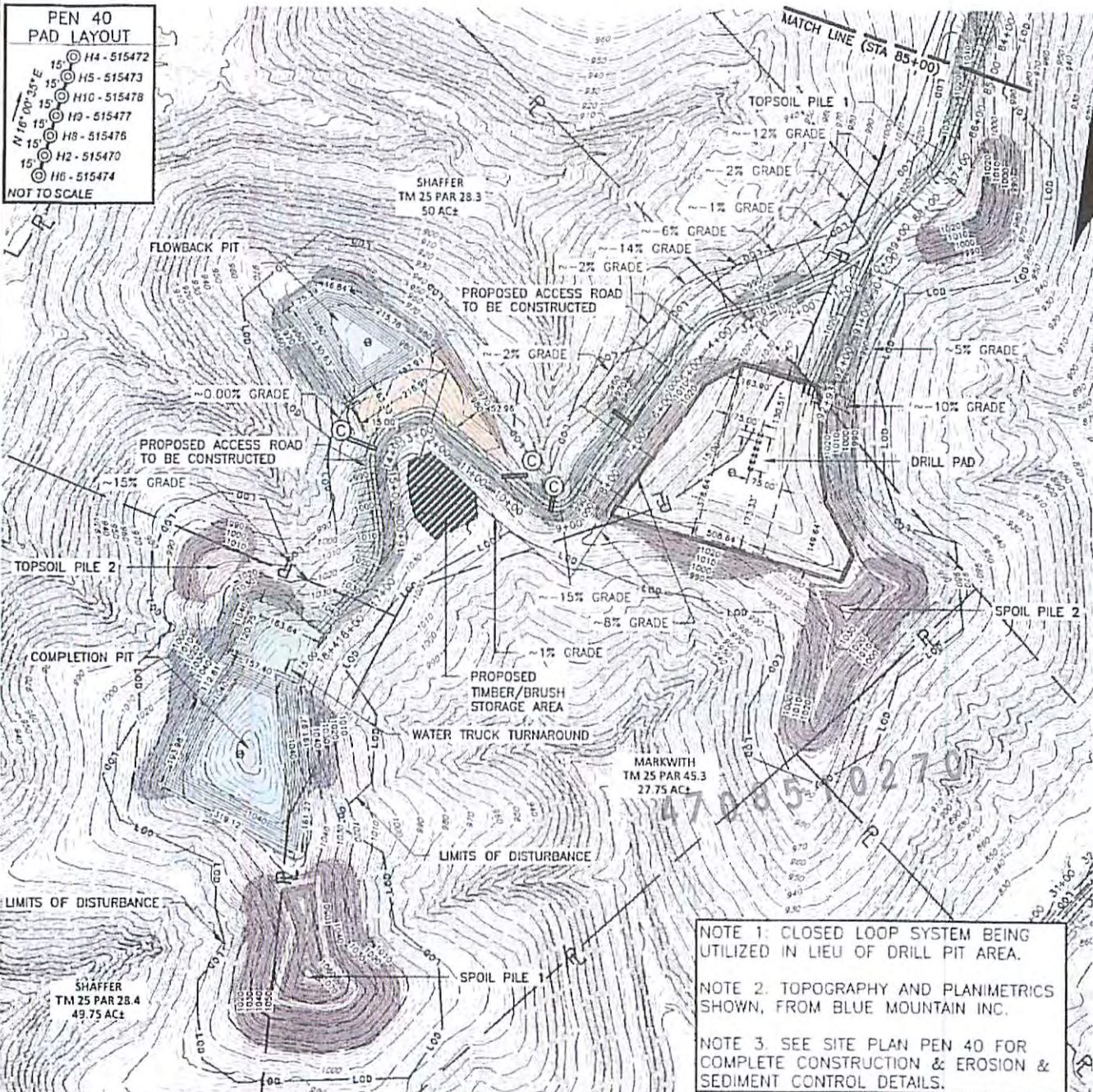
ELEVATION SOURCE DGPS (OPUS)
ELEVATION 1045.3' (GROUND), 1025.8' (PROPOSED)
WATERSHED UNNAMED TRIBUTARY OF BUNNELL RUN DISTRICT 02/05/2016
COUNTY RITCHIE TOPO QUAD PENNSBORO
SURFACE OWNER DENNIS M. & VALERIE L. MARKWITH
ACREAGE 27.75 ±
ROYALTY OWNER JOHN P. THOMAS, ET AL, LEASE NO. 122527
LEASE ACREAGE 274 ±

WELL OPERATOR EQT PRODUCTION COMPANY
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280
BRIDGEPORT, WV 26330

DESIGNATED AGENT REX C. RAY
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280
BRIDGEPORT, WV 26330

**PEN 40
PAD LAYOUT**

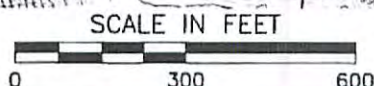
NOT TO SCALE



NOTE 1: CLOSED LOOP SYSTEM BEING UTILIZED IN LIEU OF DRILL PIT AREA.

NOTE 2: TOPOGRAPHY AND PLANIMETRICS SHOWN, FROM BLUE MOUNTAIN INC.

NOTE 3: SEE SITE PLAN PEN 40 FOR COMPLETE CONSTRUCTION & EROSION & SEDIMENT CONTROL DETAILS.



© - DENOTES INSTALL MINIMUM 15" DIA. CMP OR HDPE CULVERT

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**EQT PRODUCTION COMPANY
PEN 40 WELL PAD
CLAY DISTRICT
RITCHIE COUNTY, WEST VIRGINIA
PERMIT APPLICATION
REC PLAN**

DRAWN BY: LDM	CHECKED BY: REA	APPROVED BY: DEM	FIGURE NO.:
DATE: OCTOBER 2015	DWG SCALE: 1"=100'	141-002	

Office of Oil and Gas

DEC 01 2015

WV Department of

02/05/2016

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