

# EQT PRODUCTION COMPANY WELL NO. WV 515473 JOHN P. THOMAS, ET AL LEASE

### NOTES ON SURVEY

- 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.
- NO WATER WELLS OR DEVELOPED SPRINGS USED FOR HUMAN OR DOMESTIC ANIMAL CONSUMPTION WERE FOUND WITHIN 250'.
- SURFACE OWNERSHIP TAKEN FROM THE RITCHIE COUNTY TAX ASSESSOR AND COUNTY CLERK OFFICES IN OCTOBER, 2014.
- WELL LATITUDE AND LONGITUDE FROM SURVEY GRADE OPUS SOLUTION DERIVED ON JULY 1, 2014.
- BEARINGS SHOWN ARE BASED UPON THE WV STATE PLANE COORDINATE SYSTEM, NAD 83 GRID NORTH ZONE.
- 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	⊙

**EQT PRODUCTION COMPANY  
WELL NO. WV 515473  
JOHN P. THOMAS, ET AL LEASE  
274 ACRES ±**

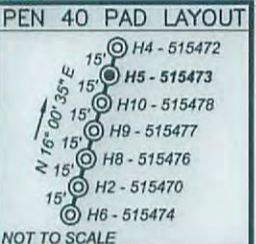
**SURFACE HOLE**  
NAD '27 NORTH S.P.C.: N. 282942.37 E. 1579903.45  
NAD '27 NORTH GEO. COORDINATES: LAT. 39.267319 LON. -80.983824  
NAD '83 UTM 17N.: N. 4346450.90 E. 501409.93

**LANDING POINT**  
NAD '27 NORTH S.P.C.: N. 282673.22 E. 1582156.11  
NAD '27 NORTH GEO. COORDINATES: LAT. 39.267231 LON. -80.975865  
NAD '83 UTM 17N.: N. 4346441.31 E. 502096.55

**BOTTOM HOLE**  
NAD '27 NORTH S.P.C.: N. 285222.02 E. 1581703.36  
NAD '27 NORTH GEO. COORDINATES: LAT. 39.273858 LON. -80.977600  
NAD '83 UTM 17N.: N. 4347154.55 E. 501946.67

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

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



EQT PRODUCTION COMPANY		
WELL NO. WV 515473		
LEASE NO.	LESSOR	LEASE AC.
987437	JOHN P. BURWELL	100

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.



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

**Civil & Environmental Consultants, Inc.**

DATE JANUARY 21, 2016

SCALE 1" = 1000' ACCURACY 1:200

OPERATORS  
WELL No. WV 515473

47 - 085 - 1027 HGA  
API No.

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 6,293'

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

WELL AREA & LOCATION INFORMATION:

ELEVATION SOURCE DGPS (OPUS)

ELEVATION 1045.5' (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

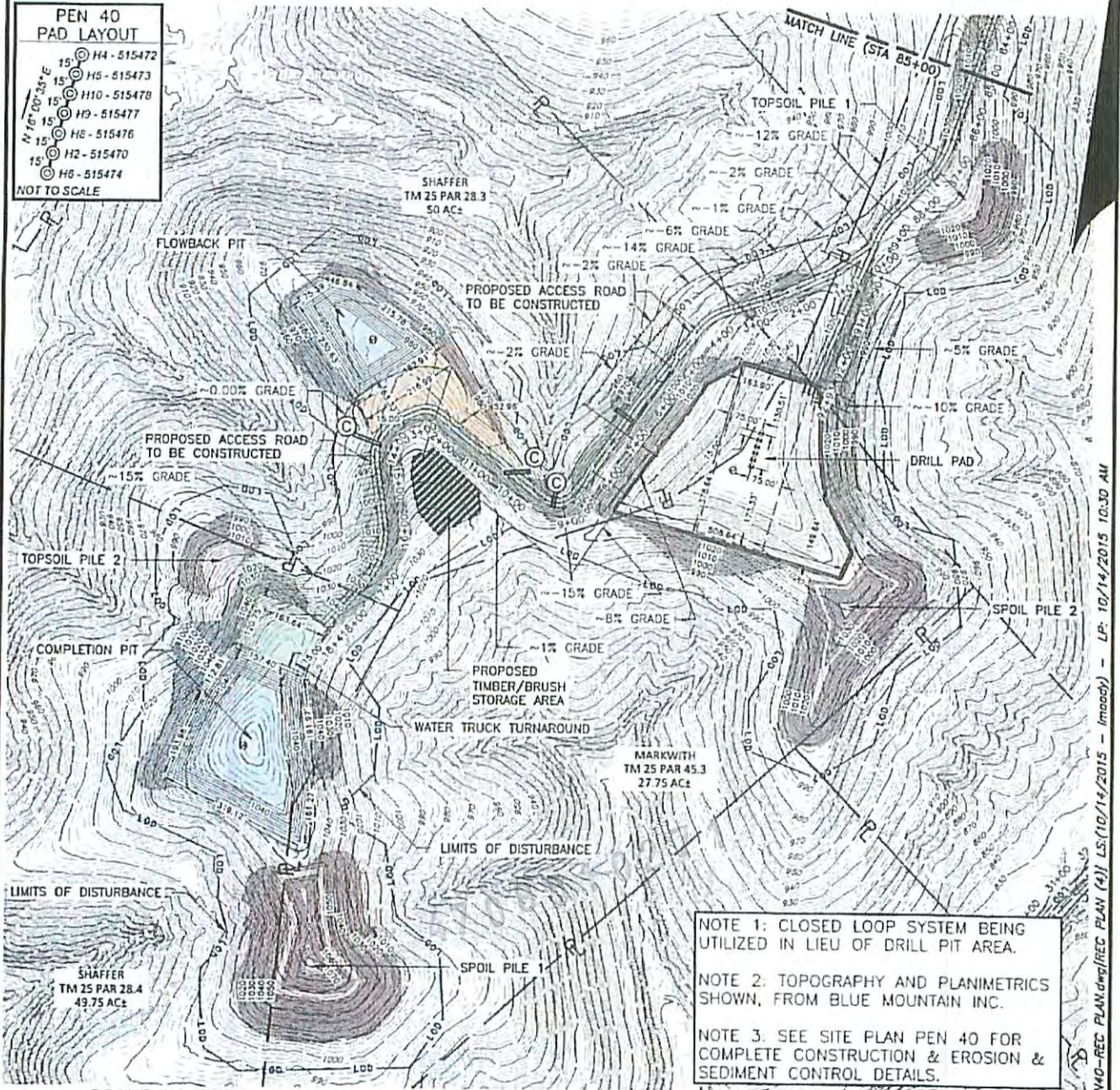
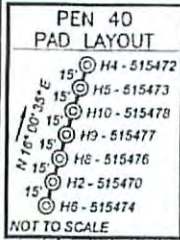
DESIGNATED AGENT REX C. RAY  
ADDRESS 115 PROFESSIONAL PLACE P.O. BOX 280  
BRIDGEPORT, WV 26330

WW-9

PEN 40 H2-515470 PEN 40 H4-515472 PEN 40 H5-515473 PEN 40 H6-515474  
PEN 40 H8-515476 PEN 40 H9-515477 PEN 40 H10-515478

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NORTH



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

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

DRAWN BY: LDM	CHECKED BY: REA	APPROVED BY: DEM	FIGURE NO.:
DATE: OCTOBER 2015	DWG SCALE: 1"=300'	PROJECT NO: 141-002	

P: 12050141-0021-CADD(Dwg)141002-PEN40-REC PLAN(dwg)REC PLAN (4) LS:(10/14/2015 - Imaged) - LP: 10/14/2015 10:30 AM