

EQT WELL NO. 515645

LATITUDE 39°35'00"

LONGITUDE 80°32'30"

NOTES:

- PLAT ORIENTATION, CORNERS, AND WELL REFERENCES ARE BASED UPON THE GRID NORTH MERIDIAN FOR THE WV STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 27. WELL LOCATION REFERENCE TIES ARE BASED UPON THE MAGNETIC MERIDIAN.
- THERE ARE NO (O) WATER WELL(S) LOCATED WITHIN 250' OF WELL H1.
- THERE ARE NO (O) STRUCTURE(S) LOCATED WITHIN 625' OF WELL H1.

⊙ = MONUMENT FOUND IRON REBAR UNLESS NOTED OTHERWISE.

HENTHORN  
TM 18 PAR 8  
39.4 AC±

GOODRICH  
TM 18 PAR 19  
4.48 AC±

HOSTUTLER  
TM 18 PAR 18  
43.4 AC±

KINZCEL  
TM 18 PAR 21  
23.8 AC±

GOODRICH  
TM 18 PAR 24  
62.20 AC±

GOODRICH  
TM 18 PAR 23  
86.5 AC±

DENNISON  
TM 18 PAR 22  
111.4 AC±

COASTAL LUMBER CO.  
TM 18 PAR 32  
98 AC±

COASTAL LUMBER CO.  
TM 17 PAR 14  
1627.6 AC±

GOODRICH  
TM 18 PAR 33  
95.6 AC±

GOODRICH  
TM 18 PAR 20.1  
26.8 AC±

GOODRICH  
TM 18 PAR 20.1  
26.8 AC±

KILCOYNE  
TM 18 PAR 12  
377.06 AC±

L/N 706740

KERNS  
TM 18 PAR 26  
86.6 AC±

COEN  
TM 18 PAR 27  
89 AC±

SCHNADER  
TM 18 PAR 34  
89 AC±

GOODRICH  
TM 24 PAR 1  
54.5 AC±

GOODRICH  
TM 24 PAR 1.1  
0.5 AC±

DALLISON  
TM 23 PAR 14  
879.3 AC±

GOODRICH  
TM 18 PAR 9  
38.6 AC±

GOODRICH  
TM 18 PAR 10  
2.4 AC±

GOODRICH  
TM 18 PAR 20  
30 AC±

GOODRICH  
TM 18 PAR 25  
58 AC±

GOODRICH  
TM 18 PAR 26  
89 AC±

GOODRICH  
TM 18 PAR 27  
89 AC±

GOODRICH  
TM 18 PAR 28  
89 AC±

GOODRICH  
TM 18 PAR 29  
89 AC±

GOODRICH  
TM 18 PAR 30  
89 AC±

GOODRICH  
TM 18 PAR 31  
89 AC±

GOODRICH  
TM 18 PAR 32  
89 AC±

GOODRICH  
TM 18 PAR 33  
89 AC±

GOODRICH  
TM 18 PAR 34  
89 AC±

GOODRICH  
TM 18 PAR 35  
89 AC±

GOODRICH  
TM 18 PAR 36  
89 AC±

GOODRICH  
TM 18 PAR 37  
89 AC±

GOODRICH  
TM 18 PAR 38  
89 AC±

GOODRICH  
TM 18 PAR 39  
89 AC±

GOODRICH  
TM 18 PAR 40  
89 AC±

GOODRICH  
TM 18 PAR 41  
89 AC±

GOODRICH  
TM 18 PAR 42  
89 AC±

GOODRICH  
TM 18 PAR 43  
89 AC±

GOODRICH  
TM 18 PAR 44  
89 AC±

GOODRICH  
TM 18 PAR 45  
89 AC±

GOODRICH  
TM 18 PAR 46  
89 AC±

GOODRICH  
TM 18 PAR 47  
89 AC±

GOODRICH  
TM 18 PAR 48  
89 AC±

GOODRICH  
TM 18 PAR 49  
89 AC±

GOODRICH  
TM 18 PAR 50  
89 AC±

GOODRICH  
TM 18 PAR 51  
89 AC±

GOODRICH  
TM 18 PAR 52  
89 AC±

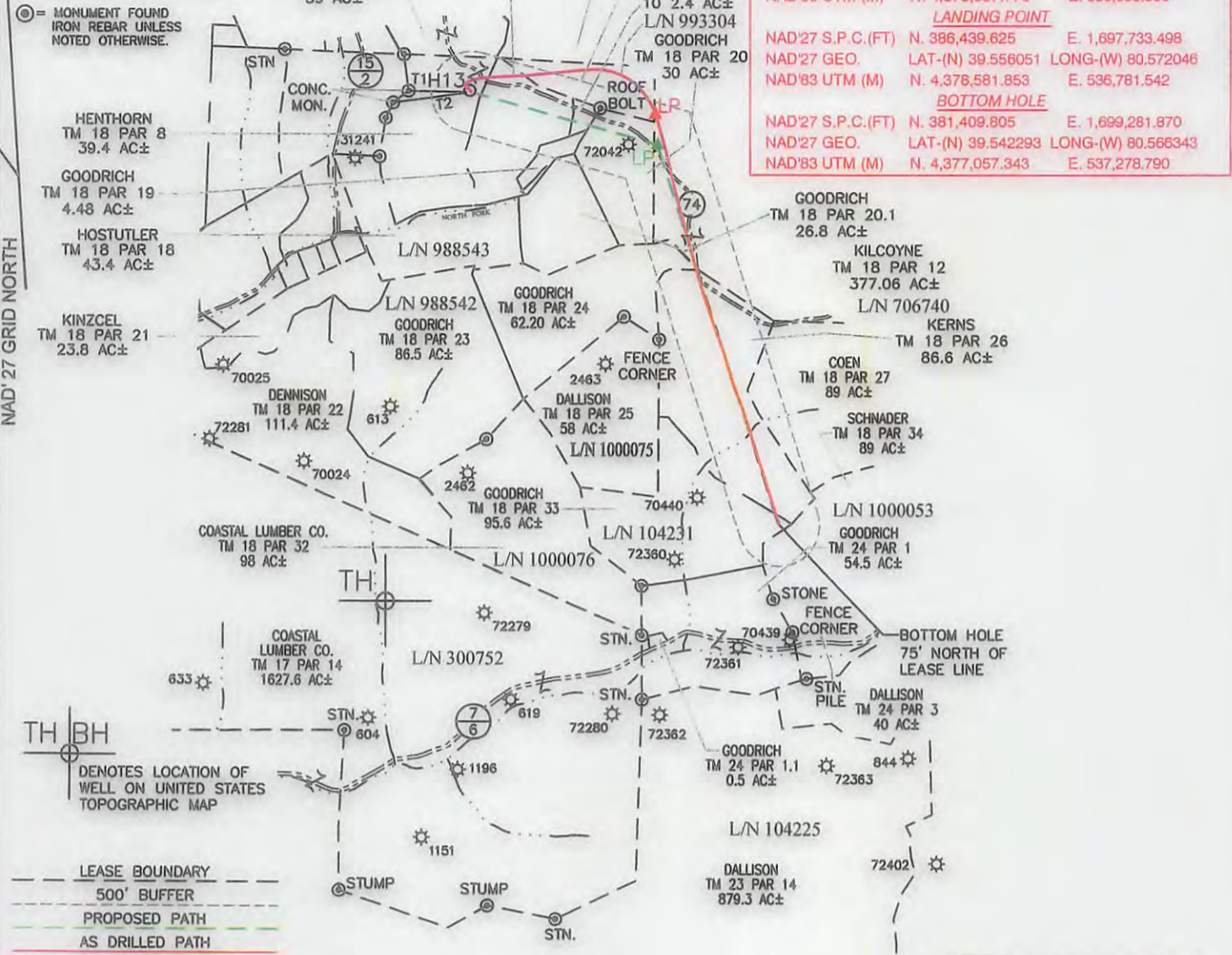
GOODRICH  
TM 18 PAR 53  
89 AC±

GOODRICH  
TM 18 PAR 54  
89 AC±

AS DRILLED COORDINATES FOR WELL NO. WV 515645

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

NAD'27 S.P.C.(FT)	N. 386,660.556	E. 1,695,497.881
NAD'27 GEO.	LAT-(N) 39.556667	LONG-(W) 80.579797
NAD'83 UTM (M)	N. 4,378,637.776	E. 536,099.306
<b>LANDING POINT</b>		
NAD'27 S.P.C.(FT)	N. 386,439.625	E. 1,697,733.498
NAD'27 GEO.	LAT-(N) 39.556051	LONG-(W) 80.572046
NAD'83 UTM (M)	N. 4,378,581.853	E. 536,781.542
<b>BOTTOM HOLE</b>		
NAD'27 S.P.C.(FT)	N. 381,409.805	E. 1,699,281.870
NAD'27 GEO.	LAT-(N) 39.542293	LONG-(W) 80.566343
NAD'83 UTM (M)	N. 4,377,057.343	E. 537,278.790



TH BH DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP

--- LEASE BOUNDARY  
--- 500' BUFFER  
--- PROPOSED PATH  
--- AS DRILLED PATH

LINE	BEARING	DIST.
T1	S88°36'32"E	775.47'
T2	N82°34'48"E	974.01'

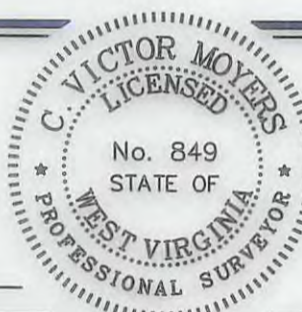
SPECIAL NOTES  
-LEASE AND SURFACE INFO SHOWN HEREON WAS TAKEN FROM PERMIT PLAT DATED JUNE 23, 2014 FOR API# 47-103-03017H.  
-AS DRILLED INFORMATION PROVIDED BY EQT.

LEASE NO.	ROYALTY OWNER	ACRES
988542	CNX GAS CO. LLC	280±
706740	EQT PRODUCTION CO.	1003.75±
104231	JOYCE M. MARTIN et al	300±
993304	DELLA M. McCOY et al	40±



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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 849 *C. Victor Moyers*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE JUNE 23, 20 14  
REVISED JULY 15, 2015, MAY 16, 2016 & JUNE 06, 2016  
OPERATORS WELL NO. WV 515645  
API WELL NO. 47 - 103 - 03017H  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8471BIG 367 WELLS-R2  
HORIZONTAL & VERTICAL CONTROL DETERMINED BY OPUS (SURVEY GRADE GPS) 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:  
PAD ELEVATION 1,442.9' WATERSHED NORTH FORK OF FISHING CREEK  
DISTRICT GRANT COUNTY WETZEL QUADRANGLE BIG RUN 7.5'  
SURFACE OWNER DENCIL HENTHORN ET AL ACREAGE 39.4±  
ROYALTY OWNER SHIBEN ESTATE, INC. ACREAGE 29.10±

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 MIDDLESEX ESTIMATED DEPTH 7,291'

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



47-103-03017

FORM WW-9

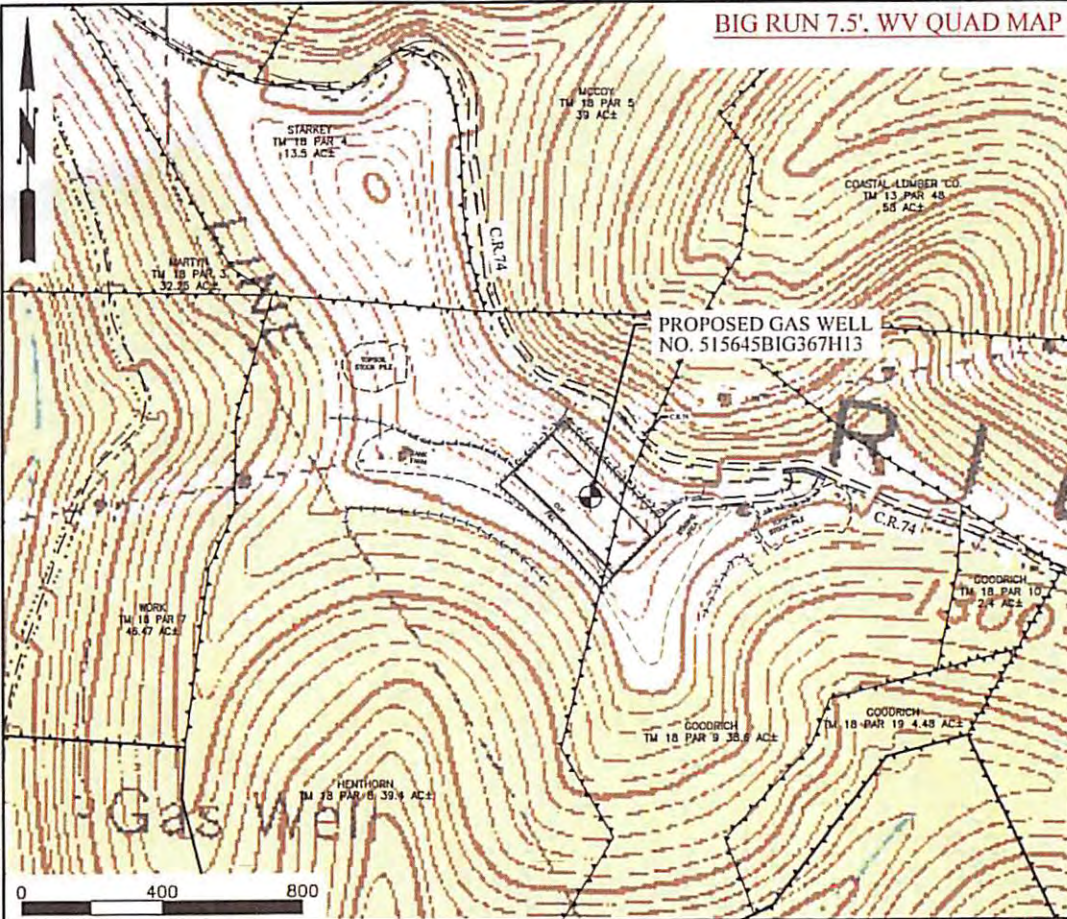
BIG RUN 7.5' WV QUAD MAP

USER: pescoranza

LAYOUT: H13-REC PLAN

PLOT DATE/TIME: 6/6/2014 - 2:40pm

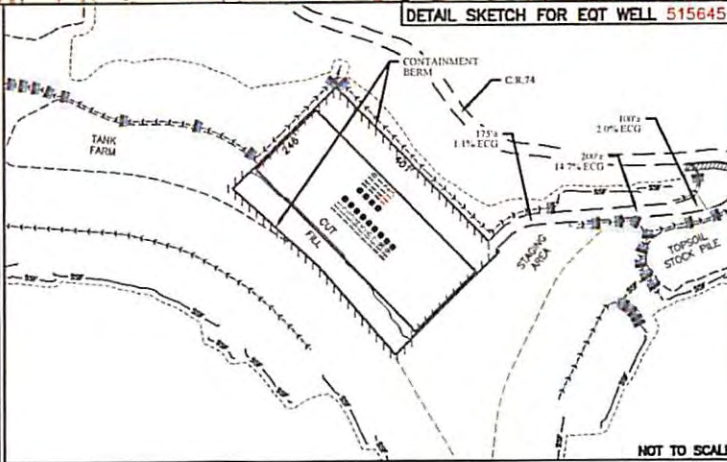
CAD FILE: R:\030-2259 EQT BIG367 Well Pad and Access Rd\Drawing\p-well hole rec plan.dwg



GENERAL NOTE

1. This drawing is a schematic representation of the proposed well site and access road. Proposed structures such as well site pad, drilling pit, roadway, culverts, erosion and sediment control barriers, etc., are shown in approximate pre-planning configurations.
2. Trees and slash will be cleared as necessary before any proposed road, drill pad or pipeline construction begins. Any residue materials available from clearing will be windrowed below the anticipated fill outlope(s) to intercept and retain sediment from the disturbed areas. Silt fence will be additionally installed as shown on the Reclamation Plan. All marketable timber above 6" will be cut and stacked in areas adjacent to operations for eventual removal.
3. All roads shown on reclamation plan are identified as either existing or new construction. Unless otherwise noted all access roads whether existing or new shall be maintained in accordance with WV D.E.P. Office of Oil and Gas Erosion and Sediment Control BMP Field Manual as revised 2/98. Entrances upon county/state roads shall be maintained in accordance with WV D.O.T. regulations, however, separate permits may be further required by the WV D.O.T. Existing roads will be upgraded with additional stone as necessary. Newly constructed access roads will be stabilized with stone as necessary for ingress and egress to the drill site.
4. All culvert pipes installed will be a minimum of 12" in diameter with length determined by field conditions. All installed and existing culvert pipes will be accompanied by an entrance sump, new culverts installed at an angle to ensure proper flow and protected from erosion and sedimentation using large rocks, rip-rap or other sediment control devices including the placement of hay bales at the sump inlet and outlet. All ditches will be maintained as required during the construction, drilling, completion and reclamation phases of this operation as required by the WV D.E.P. Office of Oil and Gas Erosion and Sediment Control BMP Field Manual. Stormwater from the ditches and culvert pipes will be directed to stable natural vegetative areas. During reclamation all water bars necessary for erosion and sedimentation control will be installed.
5. All cut and fill slopes will be immediately stabilized, seeded and mulched after construction.
6. All existing utilities within the construction area will be identified, marked and if necessary relocated by the contractor or company.
7. Earthwork contractors are responsible for notification to the operator and inspector prior to any deviation from this plan.

DETAIL SKETCH FOR EQT WELL 515645



NOTE:  
EG= EXISTING GRADE  
ECG= ESTIMATED CONSTRUCTION GRADE

LEGEND

- DRILL SITE= [Symbol]
- ROCK CHECK DAM= [Symbol]
- BUILDING= [Symbol]
- COMPACTED FILL WALLS= [Symbol]
- PIT CUT WALLS= [Symbol]
- SUPER SILT FENCE= [Symbol]
- PROPERTY LINE= [Symbol]
- LIMIT OF DISTURBANCE= [Symbol]
- PLANNED FENCE= [Symbol]
- ROAD= [Symbol]
- OPEN DITCH= [Symbol]
- CULVERT= [Symbol]

RECEIVED  
Office of Oil and Gas



WELL RECLAMATION PLAN FOR EQT BIG367 H13

SCALE AS SHOWN  
DRAWN: JP  
CHECKED: [Signature]  
APPROVED: [Signature]  
SHEET No. 13

WV Department of Environmental Protection 01/06/2017