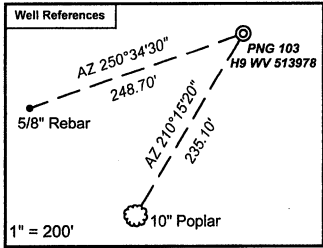
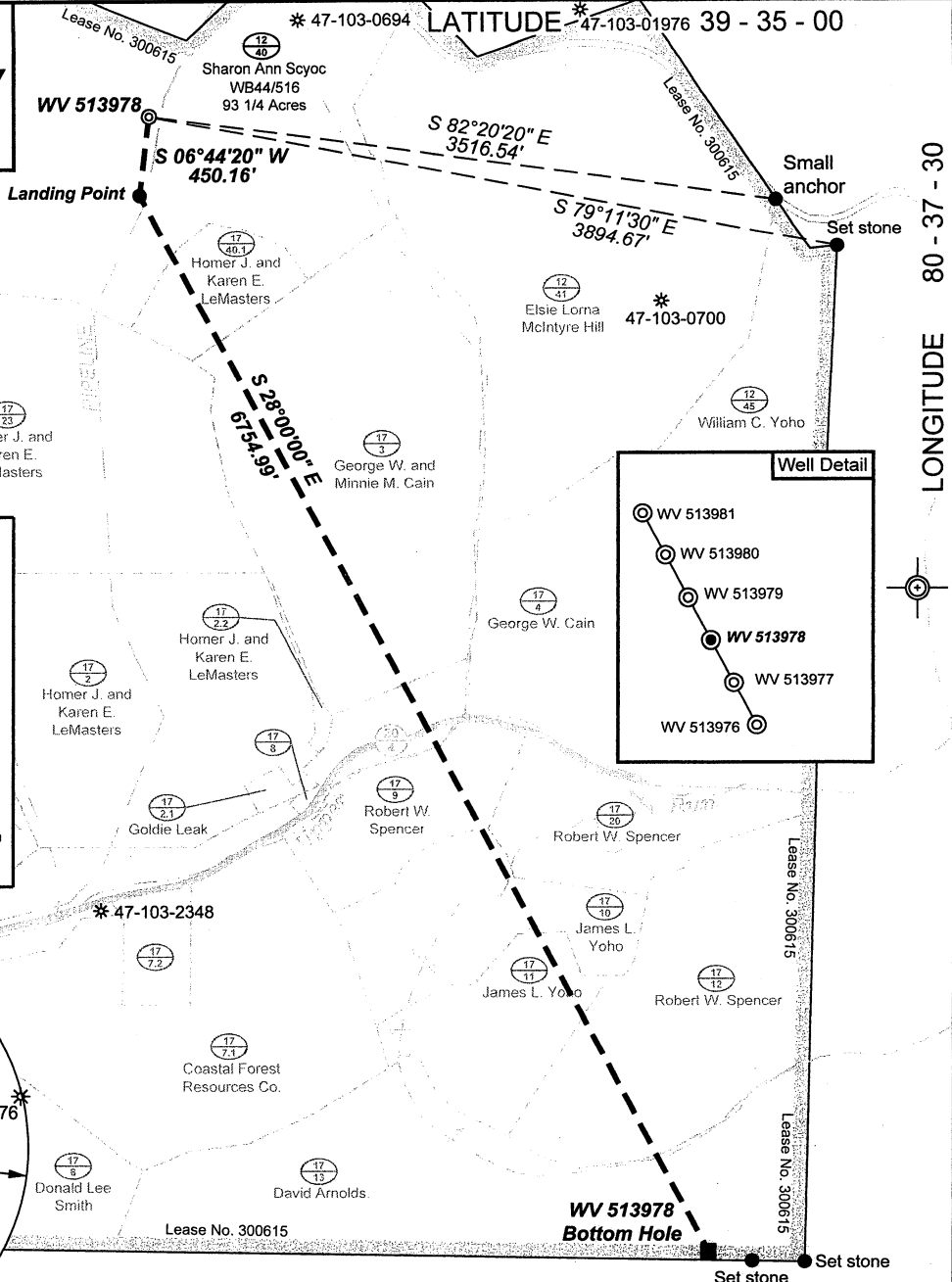
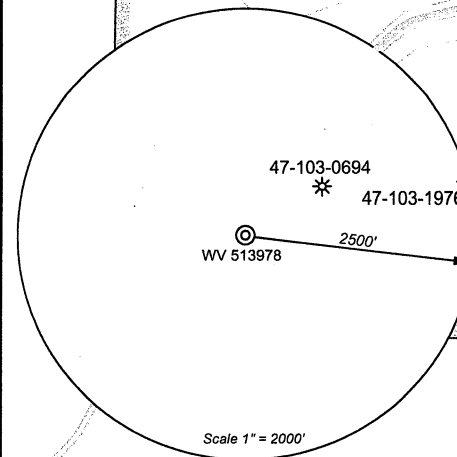


**WV 513978**  
**EQT Production Company**  
**1,104 Acre Lease**



**Notes:**  
WV 513978 coordinates are  
N: 389,946 Lat: 39.56244  
E: 1,682,417 Long: 80.62634  
UTM N: 4,379,572 E: 532,097  
WV 513978 Landing Point coordinates are  
N: 389,498 Lat: 39.564015  
E: 1,682,364 Long: 80.626501  
UTM N: 4,379,435 E: 532,083  
WV 513978 Bottom Hole coordinates are  
N: 383,534 Lat: 39.547750  
E: 1,685,535 Long: 80.614991  
UTM N: 4,377,634 E: 533,080  
West Virginia Coordinate System of 1927 (North Zone) based upon Differential GPS Measurements. Plat orientation, corner and well ties are based upon the grid north meridian. Well location references are based upon the grid north meridian. UTM coordinates are NAD 83, Zone 17, Meters.

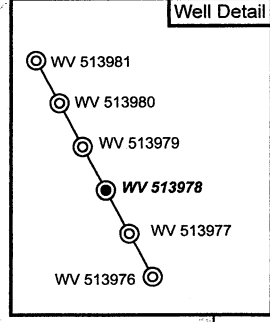
GRID NORTH



425'

LONGITUDE 80 - 37 - 30

6,640'



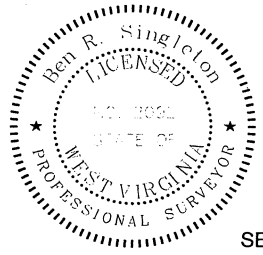
(-o-) Denotes Location of Well on United States Topographic Maps

- o Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Lease Boundary



*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 Department of Environmental Protection.*

*Ben R. Singleton*  
**P.S. 2092**



FILE NO: 212-34-G-10  
DRAWING NO: 212-10 PNG 103 H9.dwg  
SCALE: 1" = 1000'  
MINIMUM DEGREE OF ACCURACY: 1:2500  
PROVEN SOURCE OF ELEVATION: NGS CORS Station

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

DATE: July 27 20 11  
OPERATOR'S WELL NO. WV 513978  
API WELL NO  
47 - 103 - 026981  
STATE COUNTY PERMIT

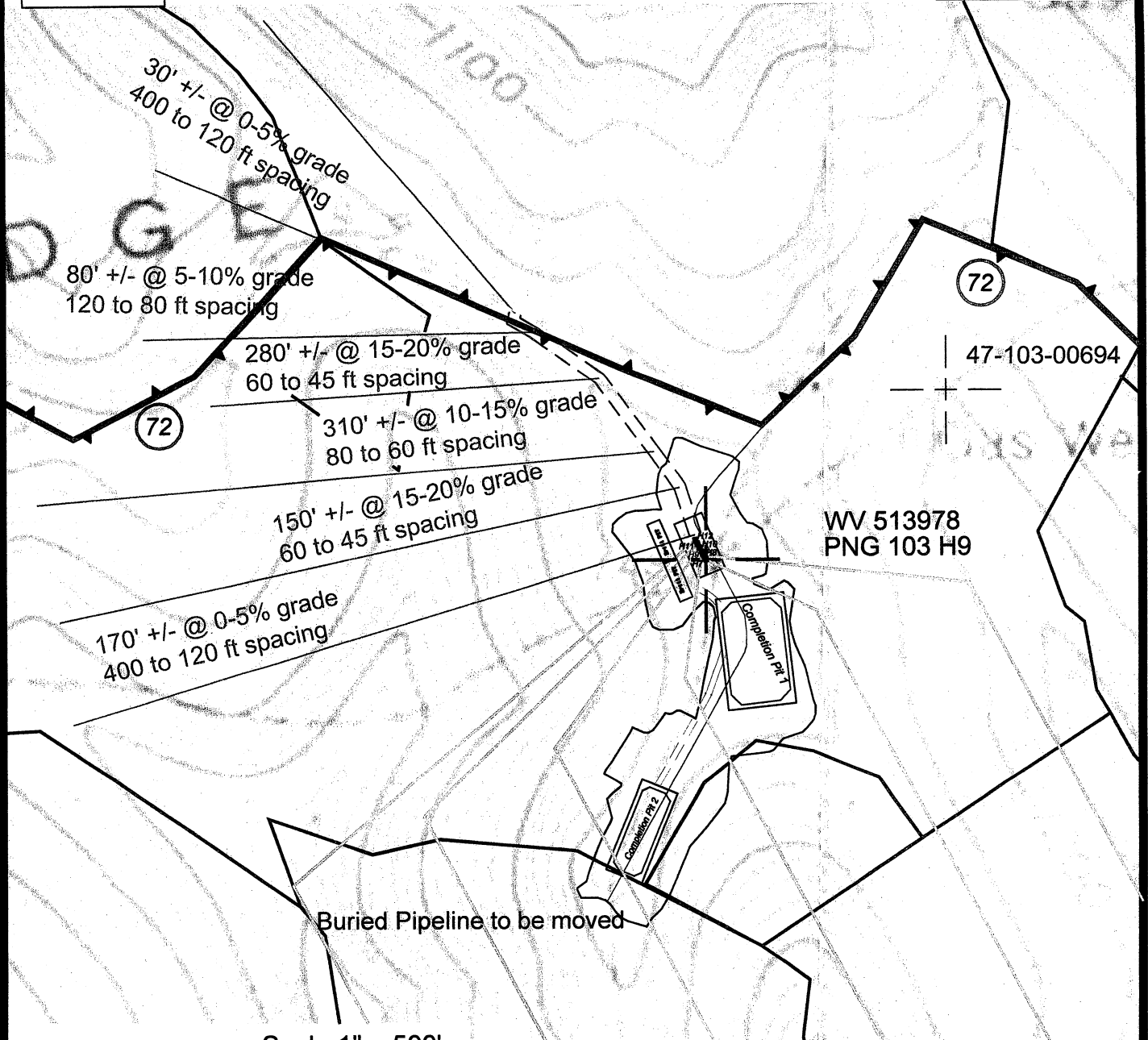
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1474' WATERSHED Upper Run QUADRANGLE: Pine Grove  
DISTRICT: Grant COUNTY: Wetzel  
SURFACE OWNER: Sharon Ann Scyoc ACREAGE: 93 1/4  
ROYALTY OWNER: Shiben Estates, Inc. LEASE NO: 300615 ACREAGE: 1,104  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: TVD=7,800 MD=16,800

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Rex C. Ray  
ADDRESS: 1710 Pennsylvania Avenue ADDRESS: 1710 Pennsylvania Avenue  
Charleston, WV 25302 Charleston, WV 25302

WW-9

PNG 103 H9 WV 513978

103-02698H



Scale 1" = 500'



- ⊙ Denotes to install 12" minimum culvert
- ⊗ Denotes a proposed stream crossing (if applies) \*see table for culvert detail\*

Unless otherwise noted, all roads shown hereon are existing and shall be maintained in accordance with WV D.E.P., Office of Oil and Gas Erosion and Sediment Control 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 required by the WV D.O.T.

Sediment basins (traps) and appropriate erosion control barriers are to be constructed at all culverts and cross-drains as required in the aforementioned Erosion and Sediment Control Field Manual. Where field conditions dictate, alternative erosion control measures shall be enacted as required.

Earthwork contractors are responsible for notification to the operator and inspector prior to any deviation from this plan.

Temporary seed and mulch all slopes after construction of location.

Cut and stack all marketable timber.

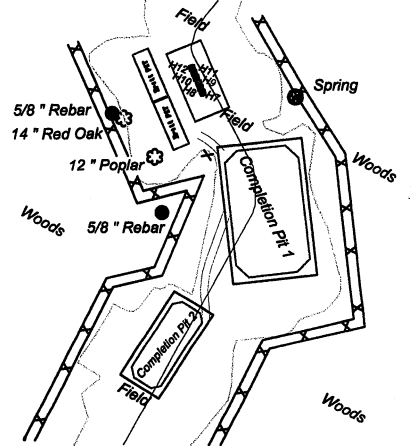
Stacked brush may be used for sediment control.

Applications for separate Public Land Corporation Permits on the access roads stream crossings have been prepared ( if applies ).

Additional culverts and/or other drainage structures and sediment control devices may be required by the WV D.E.P. Oil & Gas Inspector.

Operator is responsible for the coordination with contractor and Allegheny Surveys regarding any changes or additions the state may require

Well # WV 513978  
Location Detail PNG 103 H9



LEASE BOUNDARY

PROPERTY BOUNDARY

BORE PATH

ROAD

DITCH

SILT FENCE

PROPOSED WELL LOCATION

BROAD BASED DIP

EXISTING GATE

EXISTING CULVERT

PROPOSED CULVERT

CROSS DRAIN

PIT-CUT WALLS

PIT-COMPACTED WALLS

AREA OF LAND APPLICATION OF PIT WASTE

SECTION OF THE Pine Grove 7.5' USGS QUADRANGLE		Proposed Disturbance Area	
Projected culvert inventory. (for bid purposes only)		Well Site Location	13.50 Ac. +/-
12" minimum diameter culverts	0 Culverts	Proposed Access Road	0.80 Ac. +/-
15" minimum diameter culverts	0 Culverts	Approximate Total Disturbance	14.30 Ac. +/-
DRAWN BY: Scott Brown	DATE: June 29, 2011	FILE NO. 212-34-G-10	DRAWING FILE NO. 212-10 PNG 103 H9 Rec



SURVEYING AND MAPPING SERVICES PERFORMED BY:

**ALLEGHENY SURVEYS, INC.**

1-800-482-8606

Birch River Office  
Phone: (304) 649-8606  
Fax: (304) 649-8608

237 Birch River Road  
P.O. Box 438  
Birch River, WV 26610