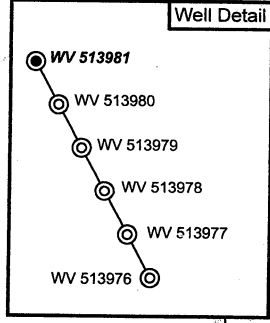
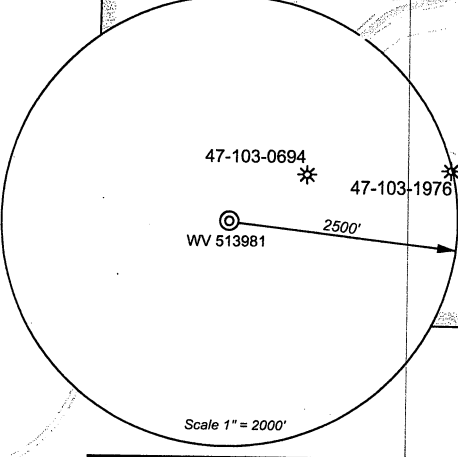


**Notes:**  
 WV 513981 coordinates are  
 N: 389,987 Lat: 39.565357  
 E: 1,682,400 Long: 80.626398  
 UTM N: 4,379,585 E: 532,092  
 WV 513981 Landing Point coordinates are  
 N: 388,794 Lat: 39.562035  
 E: 1,681,040 Long: 80.631167  
 UTM N: 4,379,214 E: 531,883  
 WV 513981 Bottom Hole coordinates are  
 N: 383,559 Lat: 39.547759  
 E: 1,683,823 Long: 80.621063  
 UTM N: 4,377,633 E: 532,558  
 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



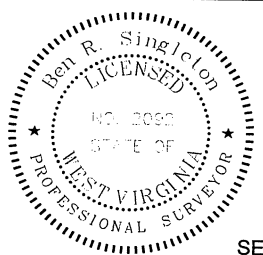
(⊙) Denotes Location of Well on United States Topographic Maps

- ⊙ 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.*

*[Signature]*  
 P.S. 2092



FILE NO: 212-34-G-10  
 DRAWING NO: 212-10 PNG 103 H12.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 513981  
 API WELL NO  
 47 - 103 - 02761H  
 STATE COUNTY PERMIT

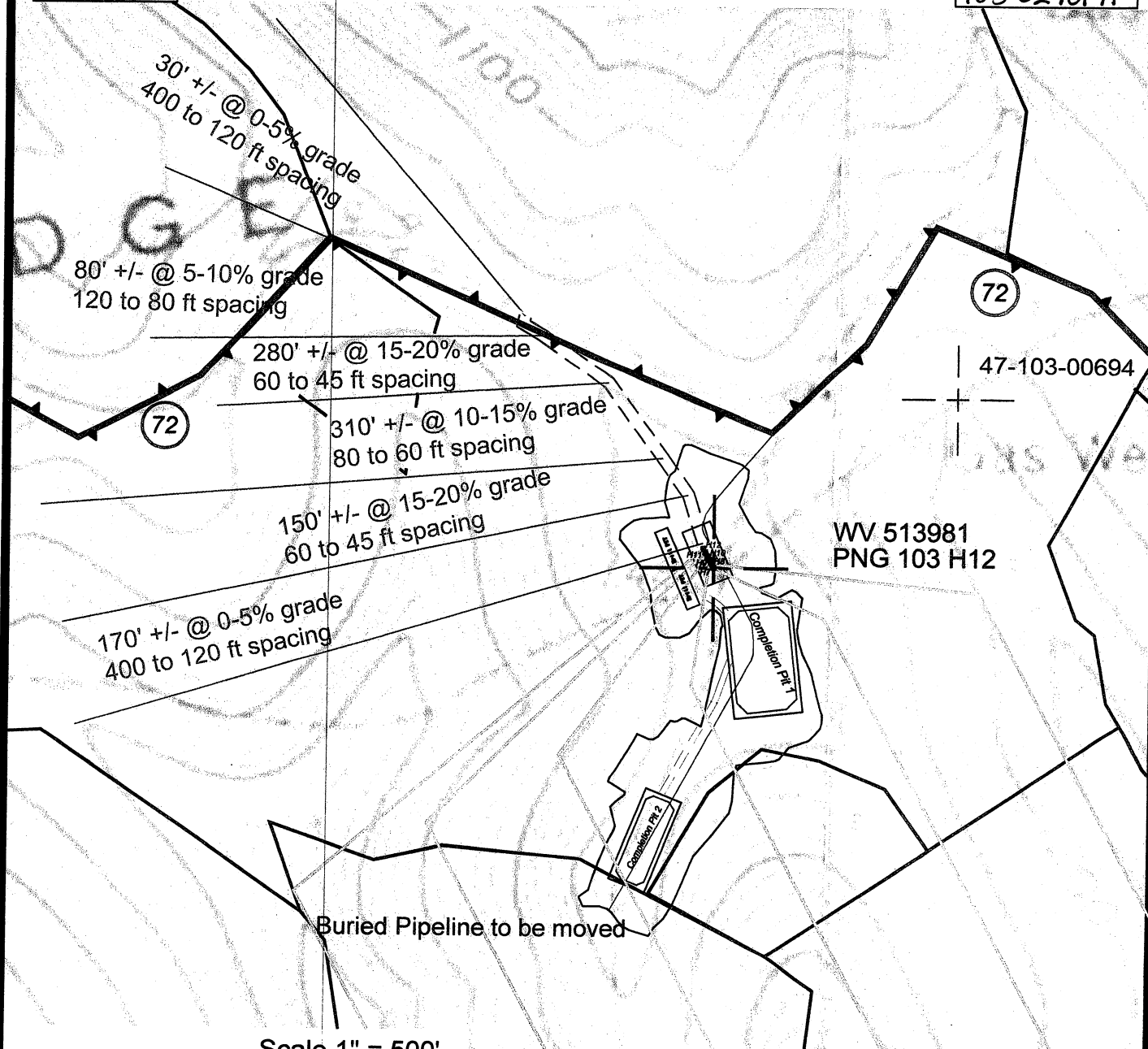
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
 (IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
 LOCATION: ELEVATION: 1474' WATERSHED Upper Run QUADRANGLE: Pine Grove  
 DISTRICT: Grant COUNTY: Wetzel  
 SURFACE OWNER: Sharon Ann Scyoc ACREAGE: 93 1/4  
 ROYALTY OWNER: Shiben Estates, Inc. LEASE 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 H12 WV 513981

103-02701 H



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.

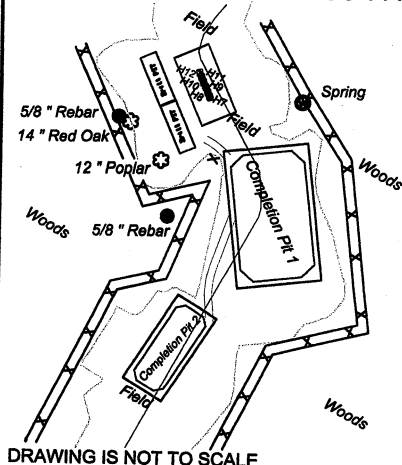
Stacked brush may be used for sediment control.

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 513981  
Location Detail PNG 103 H12



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 H12 Rec

- 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



SURVEYING AND MAPPING SERVICES PERFORMED BY:  
**ALLEGHENY SURVEYS, INC.**

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

1-800-482-8606

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