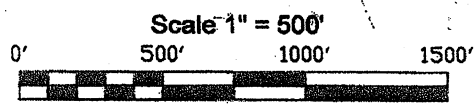
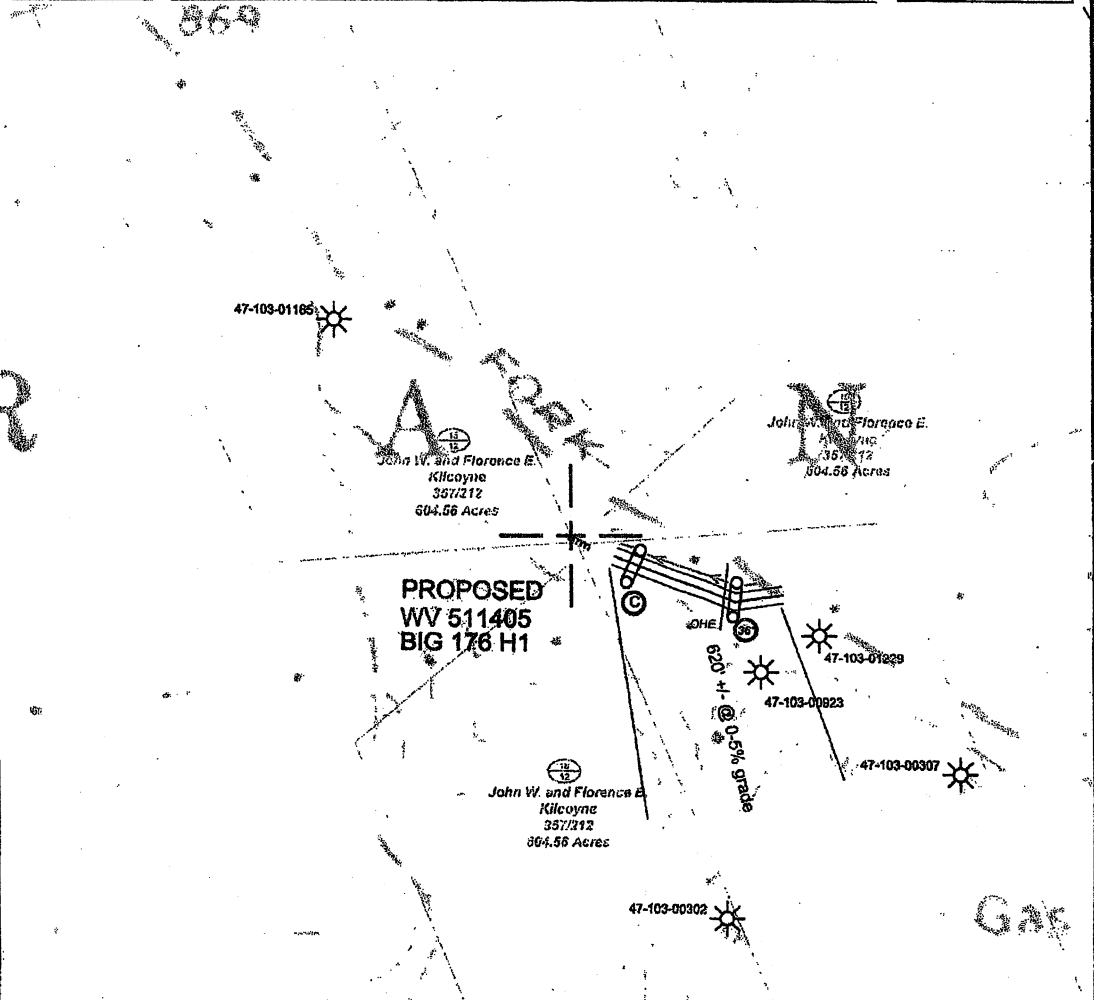


103-02671P



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

Unless otherwise noted, all roads shown herein 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 2/88

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.

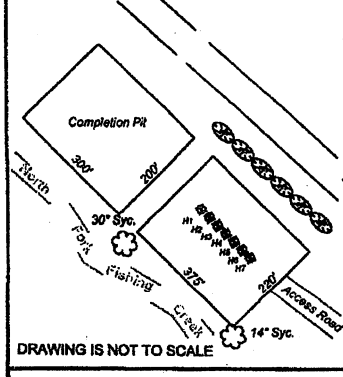
Stacked brush may be used for sediment control.

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

Proposed Well # WV 511405 Location Detail BIG 176 H1



SECTION OF THE Big 7.5' USGS QUADRANGLE		Proposed Disturbance Area	
Projected culvert inventory. (for bid purposes only)		Well Site Location	6.00 Ac. +/-
12" minimum diameter culverts	1 Culverts	Proposed Access Road	0.80 Ac. +/-
36" minimum diameter culverts	1 Culverts	Approximate Total Disturbance	6.8 Ac. +/-

DRAWN BY: Ben Singleton DATE: April 6, 2011 FILE NO: 145-34-G-10 DRAWING FILE NO: 145-10 WV 511405 REC.dwg



SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.
 Birch River Office 1-800-482-8606 237 Birch River Road
 Phone: (304) 649-8606 P.O. Box 438
 Fax: (304) 649-8808 Birch River, WV 26610

PROPERTY BOUNDARY

ROAD

DITCH

SILT FENCE

PROPOSED WELL LOCATION

ROAD BASED DIP

EXISTING GATE

EXISTING CULVERT

PROPOSED CULVERT

CROSS DRAIN

PIT-CUT WALLS

PIT-COMPACTED WALLS

AREA OF LAND APPLICATION OF PIT WASTE