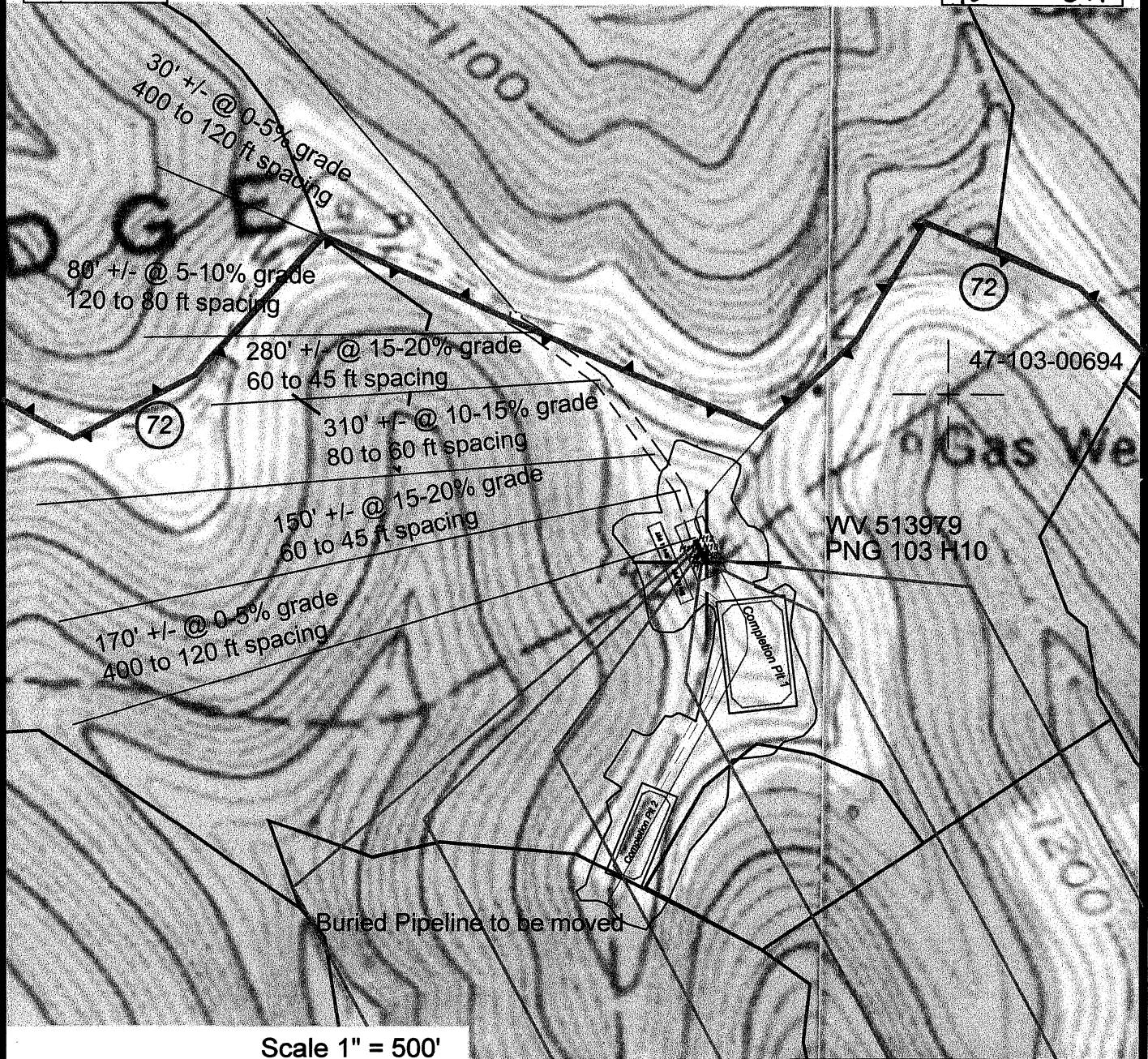


WW-9

PNG 103 H10 WV 513979

103-026994



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.

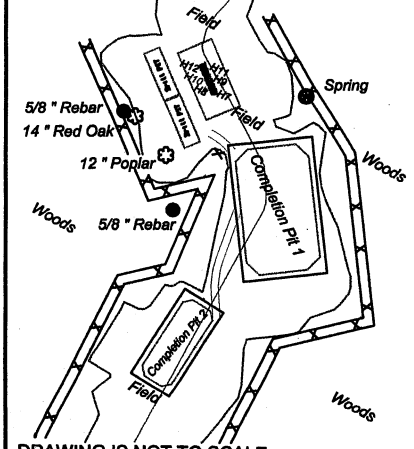
Stacked brush may be used for sediment control.

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 513979
Location Detail PNG 103 H10



DRAWING IS NOT TO SCALE

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 H10 Rec
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SURVEYING AND MAPPING SERVICES PERFORMED BY:
ALLEGHENY SURVEYS, INC.

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P.O. Box 438
Birch River, WV 26610

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	