

**Oil / Gas / Minerals and Special Uses Field Exam**

**Biological Survey (TES Species, Sensitive/Unique Resources) Date 7-26-07**

Case Number 595 Company Duh. Res Observer T. STEFFAN

Date Requested \_\_\_\_\_ Project Description \_\_\_\_\_

Watershed \_\_\_\_\_ Warrant \_\_\_\_\_ Quad \_\_\_\_\_

Well # 3672-23

Forest Type <u>AH</u>	Major Species <u>BC RM SM</u>	Previous Treatments
Understory <u>SM, B17 - 80%</u>	Condition <u>10% 30</u>	Minor Components
Ground Cover <u>hay P sh gr. long moss rock moss</u>	Minor Components	<u>cracked &amp; wid wood soc</u>
Soil <u>dry stony</u>	Slope <u>3-4</u>	Hwd Regen <u>RM</u>
Windthrow <u>scat. old RM/BC (edge patch)</u>	Dead/Down <u>lite</u>	Snags <u>6" SM</u>
Rocks/Boulders <u>flat rocks, rocky</u>	Water Resources	Cavity Trees
Wildlife Observed <u>downy wgs</u>		Cultural Resources
Raptor Nest, etc.		Potential Habitat
Other Features		Mitigation Measures

Well # 3672-20 & Duh 6

Forest Type <u>AH</u>	Major Species <u>BC, RM Bee, SM</u>	Previous Treatments
Understory <u>Bee 4-8', SM poles</u>	Condition	Minor Components <u>10%</u>
Ground Cover <u>hay &amp; wood P</u>	Minor Components	<u>sh gr. Rubus wood soc</u>
		<u>(6) NYF, old, curcup, deer tongue, green sedge</u>
Soil <u>dry</u>	Slope <u>1-2 bench (6) flat</u>	Hwd Regen <u>RM BC (6) SM Bee</u>
Windthrow <u>patch - old blackstem S (BC, RM)</u>	Dead/Down <u>lite-heavy-S</u>	Snags <u>lean 18" BC, 16" BC</u>
Rocks/Boulders	Water Resources	Cavity Trees <u>(6) Beech, poss. lg. hatched</u>
Wildlife Observed <u>downy wgs, chipmunk</u>		Cultural Resources
Raptor Nest, etc.		Potential Habitat
Other Features		Mitigation Measures

Duh. 8 (plug) - well opening  
 hay P, sh gr., sweet vrn gr; Pold bind deer tongue, vial

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Well # 3672-25

Forest Type	<u>AH</u>	Major Species	<u>BC, RM, YB</u>	Previous Treatments	
Understory	<u>Bl + T. Bee</u>	Condition	<u>3-30' 15%</u>	Minor Components	
Ground Cover	<u>veg f</u>	<u>tree club</u>	Minor Components	<u>wood f</u>	<u>wood scrs</u> <u>stagg clubs</u>
Soil	<u>dry, stony</u>	Slope	<u>flat</u>	Hwd Regen	<u>Bl + RM</u>
Windthrow		Dead/Down	<u>1/5</u>	Snags	<u>8" YB</u>
Rocks/Boulders	<u>shiny scum</u>	Water Resources	<u>-</u>	Cavity Trees	<u>-</u>
Wildlife Observed	<u>hermit humbler</u>	Cultural Resources	<u>old lease rd</u>		
Raptor Nest, etc.	<u>2</u>	Potential Habitat	<u>-</u>		
Other Features		Mitigation Measures	<u>2</u>		

Well # 3672-19

Forest Type	<u>AH</u>	Major Species	<u>BC, RM, SM</u>	Previous Treatments	
Understory	<u>SM sap/pals</u>	Condition	<u>15%</u>	Minor Components	
Ground Cover	<u>veg f</u>	<u>tree club</u>	Minor Components	<u>shiny club</u>	<u>Just one, crooked st.</u>
Soil	<u>dry</u>	Slope	<u>2-3</u>	Hwd Regen	<u>Bl +</u>
Windthrow		Dead/Down	<u>1/5</u>	Snags	<u>6" RM 6" SM</u>
Rocks/Boulders	<u>patchy blders to E</u>	Water Resources	<u>-</u>	Cavity Trees	<u>-</u>
Wildlife Observed	<u>-</u>	Cultural Resources	<u>-</u>		
Raptor Nest, etc.	<u>-</u>	Potential Habitat	<u>-</u>		
Other Features		Mitigation Measures	<u>- ABC</u>		

Durb. 9 - (phy) - well opening  
 veg f, NTF, deer tongue, stagg club, tree club, ft water, shg.  
 pubus

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Watershed \_\_\_\_\_ Warrant \_\_\_\_\_ Quad \_\_\_\_\_

Well # 3672-12 + 10 (plug)

Forest Type	<u>AT</u>	Major Species	<u>BC BM BB SM T-Bee</u>	Previous Treatments	
Understory	<u>SM Bee - 25% saps</u>	Condition		Minor Components	<u>6-25'</u>
Ground Cover	<u>wood f</u>	<u>veg f</u>		Minor Components	<u>crooked AK wood sax Rubus</u>
				Hwd Regen	<u>BM BIR</u>
Soil	<u>dry</u>	Slope	<u>28%</u>	Dead/Down	<u>1%</u>
Windthrow				Cavity Trees	<u>-</u>
Rocks/Boulders	<u>U. wide scat bldrs</u>	<u>to herb</u>	Water Resources	<u>???</u>	<u>rocky ephra-tan chm</u>
Wildlife Observed	<u>hermit thrush</u>				
Raptor Nest, etc.				Potential Habitat	<u>-</u>
Other Features				Mitigation Measures	<u>- Rehab by cut bank</u>

Well # 3672-11

Forest Type	<u>AT</u>	Major Species	<u>BC, BM</u>	Previous Treatments	
Understory	<u>BIR, SM - saps - 10%</u>	Condition		Minor Components	
Ground Cover	<u>wood f</u>	<u>veg f</u>		Minor Components	<u>Rubus wood sax, Sarcoc</u>
				Hwd Regen	<u>WT</u>
Soil	<u>rocky dry</u>	Slope	<u>25%</u>	Dead/Down	<u>1.5</u>
Windthrow				Cavity Trees	<u>saxs</u>
Rocks/Boulders	<u>Rocky good w. scat bldrs</u>		Water Resources	<u>-</u>	Cultural Resources <u>hermit thrush</u>
Wildlife Observed	<u>Am hermit</u>				
Raptor Nest, etc.				Potential Habitat	<u>-</u>
Other Features	<u>'split well'</u>			Mitigation Measures	<u>cut bank - rehab</u>

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Date Requested \_\_\_\_\_ Project Description \_\_\_\_\_

Watershed \_\_\_\_\_ Warrant \_\_\_\_\_ Quad \_\_\_\_\_

Well # 3672-13 + track bed.

Forest Type <u>N4</u>	Major Species <u>RM SM BC YB</u>	Previous Treatments
Understory <u>Bee 4-15'</u>	Condition <u>SM sap</u>	Minor Components
Ground Cover <u>wood p sh sm</u>	Minor Components <u>may apply groundwood viol</u>	
	<u>green sedge jack pulp rubus N4P</u>	
Soil <u>moor</u>	Slope <u>0-1</u>	Dead/Down <u>1fb</u>
Windthrow		Snags <u>20" hum, 12" YB</u>
		Cavity Trees <u>fung</u>
Rocks/Boulders	Water Resources <u>sec. stream chan 150' stream</u>	Cultural Resources <u>rd/ old tank</u>
Wildlife Observed <u>mothbldr hairy bird</u>		
Raptor Nest, etc.		Potential Habitat
Other Features <u>burn fence</u>		Mitigation Measures <u>(550' house)</u>

Well # 3672-10

Forest Type <u>AH</u>	Major Species <u>BC SM RM</u>	Previous Treatments
Understory <u>SM poles + Bee</u>	Condition <u>IV</u>	Minor Components <u>- 30%</u>
Ground Cover <u>N4P wood p</u>	Minor Components <u>area 4 hairy rock moss</u>	
	<u>green sedge crooked sh Can many sh sm wood sm</u>	
Soil <u>mod - rocky</u>	Slope <u>2-3</u>	Dead/Down <u>1fb - wood</u>
Windthrow <u>2-3 - old BC, RM</u>		Snags
		Cavity Trees
Rocks/Boulders <u>rocky grade</u>	Water Resources <u>550' - poss. sp. hum sp. ? beneath rocks</u>	Cultural Resources
Wildlife Observed <u>hairy bird</u>		
Raptor Nest, etc.		Potential Habitat
Other Features		Mitigation Measures <u>- B+S?</u>

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Watershed \_\_\_\_\_ Warrant \_\_\_\_\_ Quad \_\_\_\_\_

Well # 3672-9

Forest Type <u>AH</u>	Major Species <u>BC RM YB</u>	Previous Treatments
Understory <u>IW, WH, JB</u>	Condition <u>-90% Hwd</u>	Minor Components <u>-30'</u>
Ground Cover <u>hwy f. sh gr.</u>	Minor Components <u>Rubus Fals. viol</u>	
<u>NYP Can May pmt hwy rock wass</u>		<u>wood spc cinn P</u>
Soil <u>mud/rocky</u>	Slope <u>1-2</u>	Hwd Regen <u>WH JB</u>
	Dead/Down <u>lts</u>	Snags <u>6" BC 10" BC</u>
Windthrow		Cavity Trees <u>6" BC</u>
Rocks/Boulders <u>scatter rocks</u>	Water Resources <u>stream 100' N (E/S)</u>	Cultural Resources <u>-</u>
Wildlife Observed		
Raptor Nest, etc.		Potential Habitat <u>-</u>
Other Features		Mitigation Measures <u>stream - hwy f</u>

Well # 3672-8

Forest Type <u>AH</u>	Major Species <u>BC RM</u>	Previous Treatments
Understory <u>JB WH IW</u>	Condition <u>BC</u>	Minor Components <u>75%</u>
Ground Cover <u>hwy f cinn P</u>	Minor Components <u>Can May P NYP Rubus</u>	
<u>Fals viol Rock wass</u>		
Soil <u>mud-est. rocky</u>	Slope <u>0-1</u>	Hwd Regen
	Dead/Down <u>lts</u>	Snags <u>-</u>
Windthrow		Cavity Trees
Rocks/Boulders <u>ext. rocky / water</u>	Water Resources <u>stream - approx 100'</u>	Cultural Resources <u>-</u>
Wildlife Observed	<u>honeycreeper</u>	<u>- suspect - under grnd. spurs / down rocks</u>
Raptor Nest, etc.		Potential Habitat <u>-</u>
Other Features <u>hwy trail</u>		Mitigation Measures <u>E+S</u>

## Oil / Gas / Minerals and Special Uses Field Exam

Biological Survey (TES Species, Sensitive/Unique Resources) Date 07-26-07Case Number 575 Company Duhig Res. Observer TE STEFFAN

Date Requested \_\_\_\_\_ Project Description \_\_\_\_\_

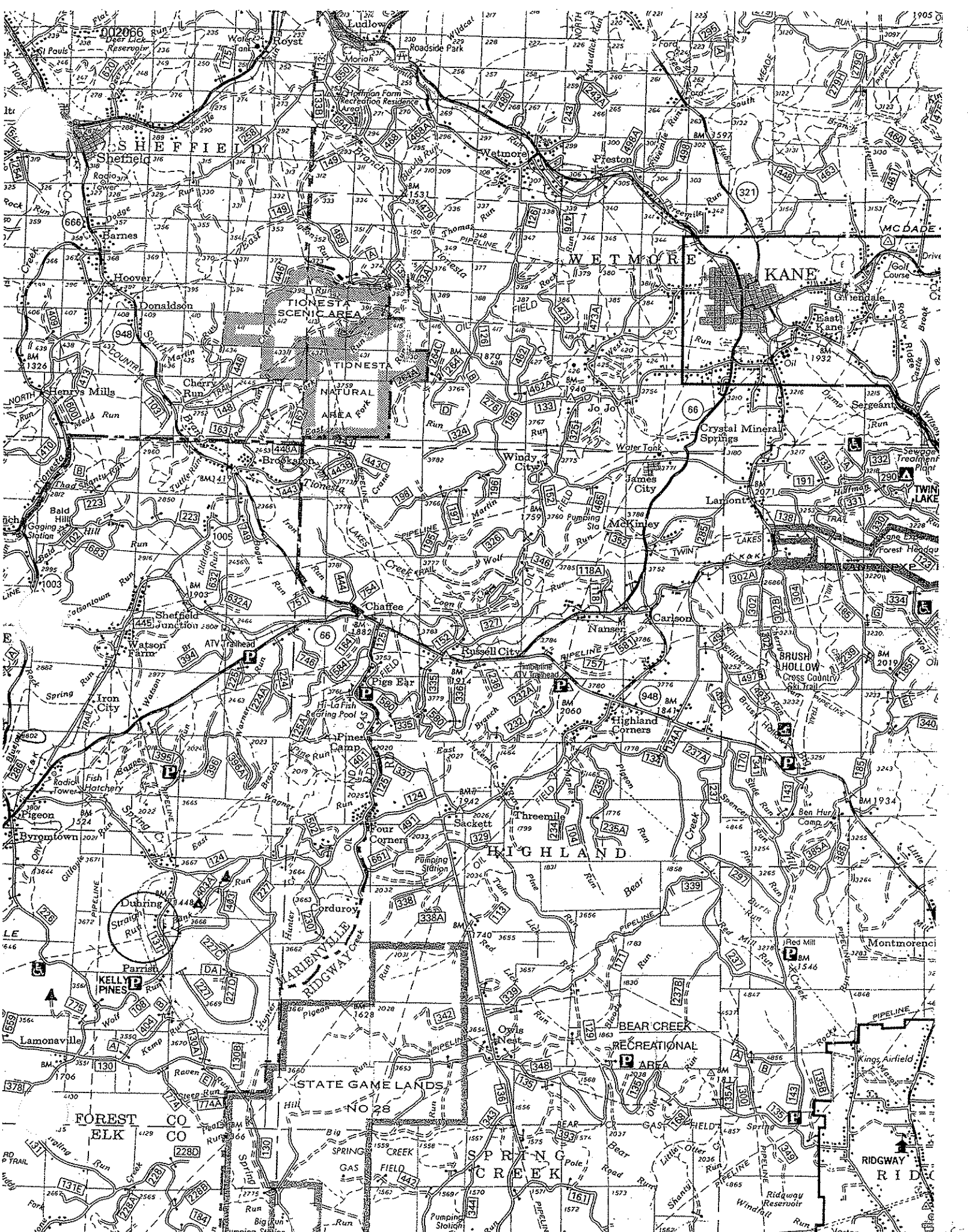
Watershed \_\_\_\_\_ Warrant \_\_\_\_\_ Quad \_\_\_\_\_

Well # Duhr. 3 - plugging

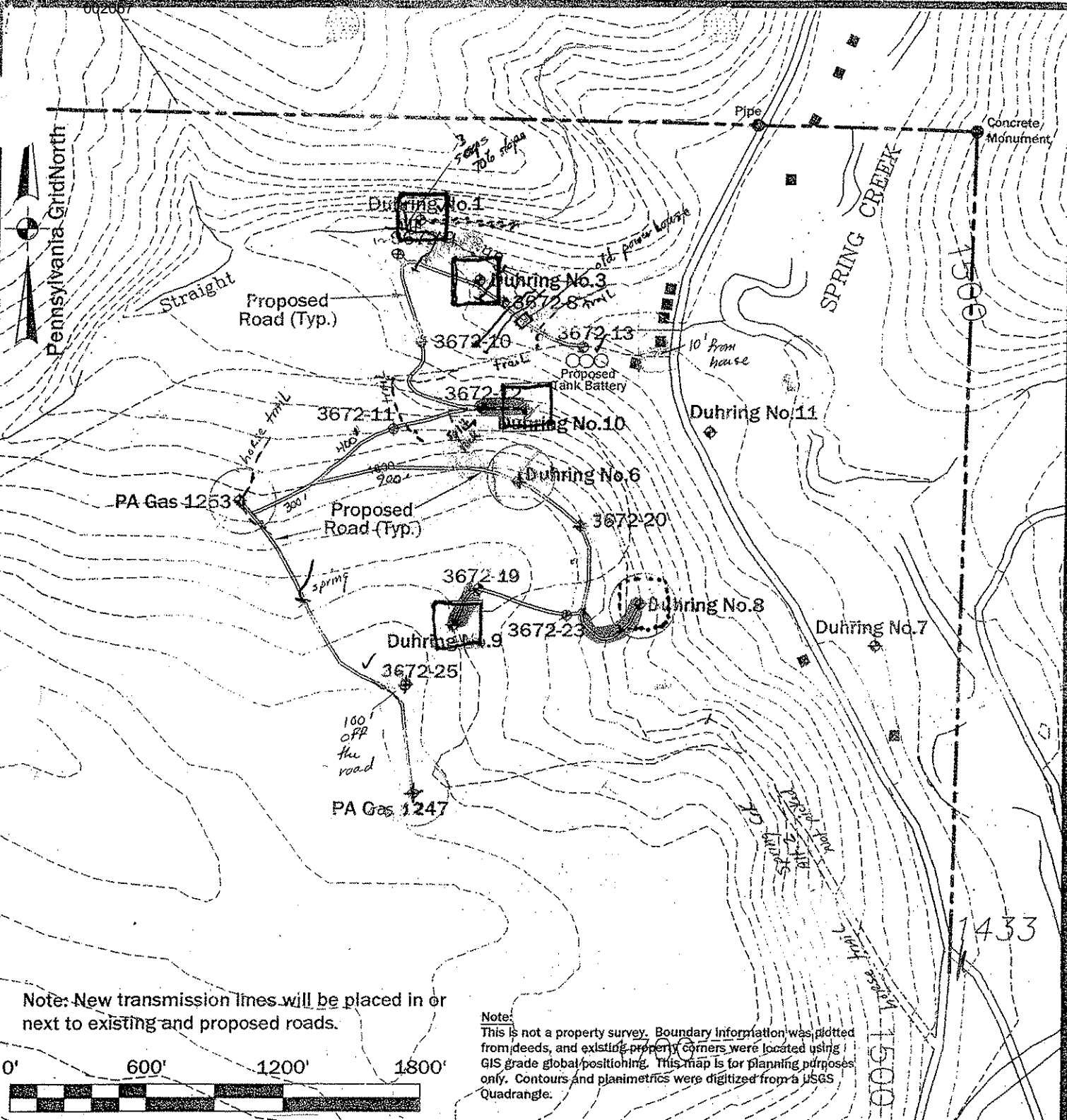
Forest Type <u>AH</u>	Major Species <u>BC, RM, 4B</u>	Previous Treatments <u>rip, m, p, m</u>
Understory <u>Bir, Bee, WH, JB, JW</u>	Condition <u>Minor Components 2-30' 65%</u>	
Ground Cover <u>hay P NYP</u>	Minor Components <u>sh gr. Citrus F green sedges</u>	
<u>Can many start. from moss, rock moss, jewelweed Rubus</u>		
Soil <u>dry/med/wet</u>	Slope <u>0-2</u>	Hwd Regen <u>Bir</u>
Windthrow <u>rocky</u>		Dead/Down <u>1 to</u>
		Snags <u>-</u>
Rocks/Boulders <u>scattered rocks</u>	Water Resources <u>2-19. V springs 3' Chem</u>	Cavity Trees <u>-</u>
Wildlife Observed <u>chipmunk, hawid thrush, juncos, deer</u>		Cultural Resources <u>power house, redline, wells</u>
Raptor Nest, etc. <u>-</u>		Potential Habitat <u>junco / grouse brood</u>
Other Features <u>-</u>		Mitigation Measures <u>- water/soil protection</u>

Well # Sub #1 (plug)

Forest Type <u>AH</u>	Major Species <u>BC RM DM 4B Bee</u>	Previous Treatments
Understory <u>Bee -85% 6-12'</u>	Condition <u>Bir</u>	Minor Components <u>WH</u>
Ground Cover <u>hay P NYP</u>	Minor Components <u>bracken F cinn P deer dungure</u>	
<u>golden rod soft herb, ewgnet basil</u>		
Soil <u>dry</u>	Slope <u>70+%</u>	Hwd Regen
Windthrow		Dead/Down <u>1 to</u>
		Snags <u>-</u>
Rocks/Boulders <u>-</u>	Water Resources <u>3 spr/seeps / 26% slope</u>	Cavity Trees <u>-</u>
Wildlife Observed <u>deer</u>		Cultural Resources <u>^^ old lease road</u>
Raptor Nest, etc. <u>-</u>		Potential Habitat <u>-</u>
Other Features <u>lease rd - south</u>		Mitigation Measures <u>- rd from south / topography</u>



002007



Note: New transmission lines will be placed in or next to existing and proposed roads.

Note:  
This is not a property survey. Boundary information was plotted from deeds, and existing property corners were located using GIS grade global positioning. This map is for planning purposes only. Contours and planimetrics were digitized from a USGS Quadrangle.

Scale: 1" = 600'

OGM CASE 595

Date: 06/04/2007



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Exhibit – Site Map  
for

Duhring Resource Company  
"Warrant 3672"

Allegheny National Forest

Jenks Township, Forest County  
Pennsylvania

