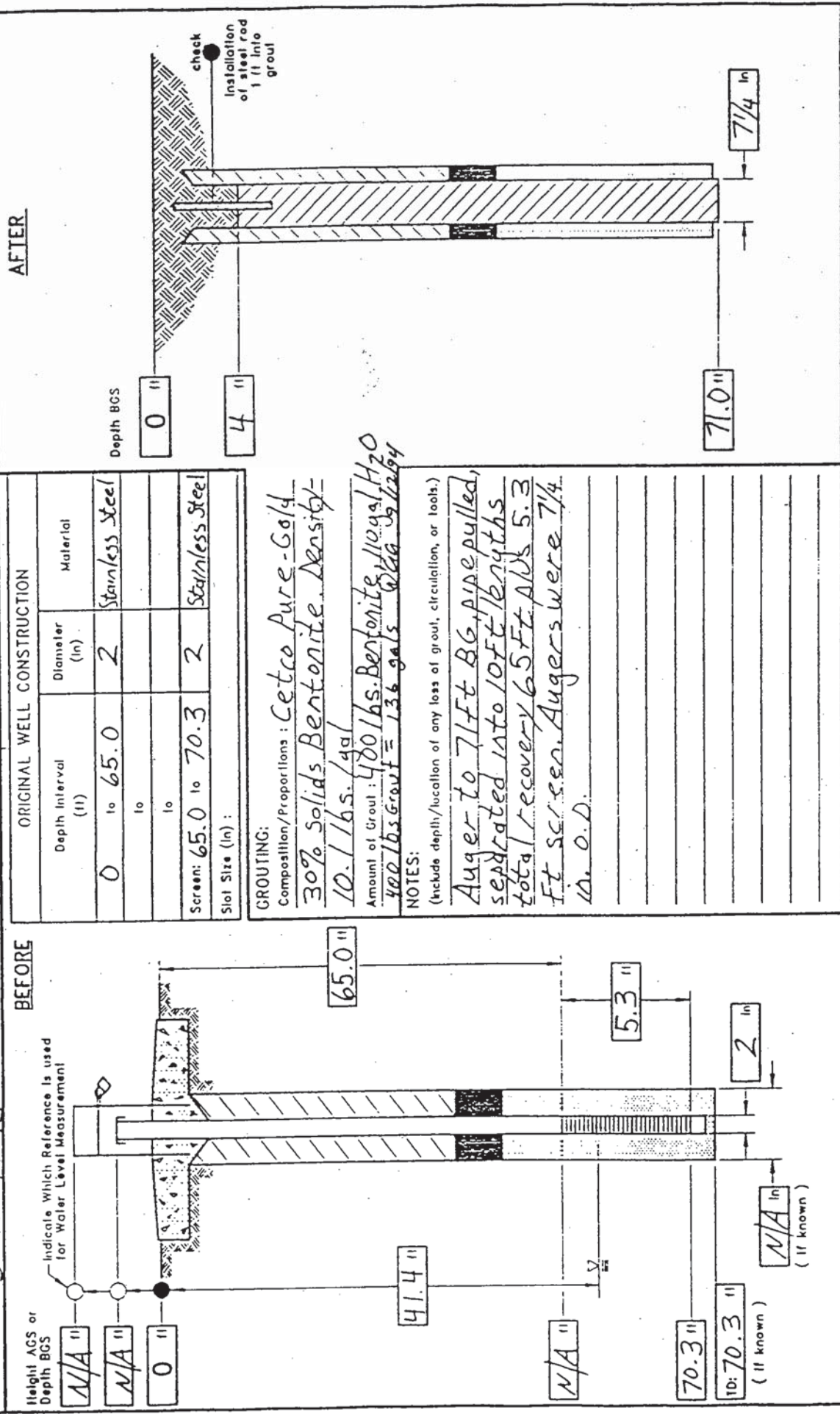


WELL ABANDONMENT LOG PGDP WELL ABANDONMENT PROJECT WASHOVER METHOD WELL No: MW 70

Coordinates/Location: W4327.95 S2074.66 Rig/Crew No: 2 Completion Date/Time: 5-9-94 0730

Subcontractor: Low Engineering Corresponding Geological Log Book: Crew #1, Book #1

Start Date/Time: 5-2-94 1500 Corresponding Health & Safety Log Book: Crew #2, Book #1



ORIGINAL WELL CONSTRUCTION		
Depth Interval (ft)	Diameter (in)	Material
0 to 65.0	2	Stainless Steel
to		
to		
Screen: 65.0 to 70.3	2	Stainless Steel
Slot Size (in):		

GROUTING:
 Composition/Proportions: Cetco Pure-Gold
 30% Solids Bentonite Density-
 10.1 lbs./gal
 Amount of Grout: 400 lbs. Bentonite, 110 gal. H₂O
 400 lbs Grout = 136 gals. 6/26/94

NOTES:
 (Include depth/location of any loss of grout, circulation, or tools.)
 Auger to 71ft BG, pipe pulled, separated into 10ft lengths total recovery 65ft. Augers were 7 1/4 in. o.d.

Driller: Michael J. Allison Signature: Michael J. Allison Date: 5-9-94

CDM Geologist: Thomas Street Signature: Thomas O. Street Date: 5-9-94

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY ROAD
FRANKFORT, KENTUCKY 40601

September 6, 1994

Mr. Sam Wilkinson
Law Engineering
1725 Louisville Drive
Knoxville, Tennessee 37921

Re: Monitoring wells - Paducah Gaseous Diffusion Plant

Dear Mr. Wilkinson:

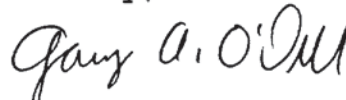
Please provide locations marked on a topographic map photocopy, for the wells listed below and return this information to me by October 3, 1994.

8001-3501, 8000-3697, 8000-3676

and, no ID# given - MW-7, MW-8, MW-12, MW-13, MW-14, MW-21, MW-70 and W-01, W-02.

When responding to requests from this office for information, please attach a copy of the letter requesting the information. If you have any questions, call me at (502) 564-3410, ext 534.

Sincerely,



Gary A. O'Dell
Database Manager
Groundwater Branch
Division of Water

GAO/sc



Printed on Recycled Paper
An Equal Opportunity Employer M/F/D

Mailing Address: 50x 1410
City: Paducah State: KY Zip: 42001
Phone: (502) 441-6000 () No Phone

(3) WELL RECORD LABEL LOCATION:
() well casing () other

(4) WELL LOCATION:
USGS Quadrangle Name: Heath
County: Mc Cracken
Elevation: 379.25 ft. () map () altimeter () other survey
Latitude: 37 06 47.5 Longitude: 88 48 44.5
Physiographic or Hydrologic Region:
() Blue Grass () Ohio River Alluvium () E. Coal Field
() Miss. Plateau () Jackson Purchase () W. Coal Field

(7) WELL USE:
() domestic () public () irrigation
() industrial () livestock () monitoring
() unused () other
PWSID #:
Water Withdrawal Permit #:

(10) TYPE OF TREATMENT SYSTEM:
() none
() water softener
() ultra violet
() chlorination
() aeration
() charcoal filter
() sand filter
() inhibitor
() other

(5) WELL CHARACTERISTICS:
Is this a hand dug well? () yes () no () unknown
Who constructed well? EDGE Group, Inc. () unknown
Address:
City: State: Zip:

(8) WELL SERVICE:
Number of people served: NA
Number of service connections:
Any quantity problems? () yes
Any quality problems? () yes
Describe:

Is a treatment bypass available? () yes () no
Describe water quality problem requiring treatment:

Date well was completed: 8 18 86 () unknown
Total depth: 70.1 ft. () measured () reported () unknown
Does the casing extend above the ground? () yes, 24 in. () no

(9) COMPLIANCE TO STANDARDS:
Is this well in compliance with state water well construction standards? () yes () no () unknown
If no, describe deficiencies:

Casing Type(s)	Casing Inside Diameter (in)	Feet Below Surface		Casing Wall Thickness
		From	To	
1. S. Steel	2"	-2'	65.1'	
2. S.S. Screen	2"	65.1'	70.1'	
3.				
4.				

(11) INSPECTION INFORMATION:
Date of Inspection: 9 22 92 Check one: () original inspection () re-inspection
Was a water quality sample taken as part of this inspection? () yes () no
Reason for inspection (check all that are applicable):
() general water quality analysis requested
() specific complaint investigation
() general survey
() ambient groundwater monitoring
() other
Other ID #: MW 70 Permit/Program Name
Well Inventory #:

Is the well located in a pit? () yes () no () unknown
Is the water discharge pipe below ground surface? () yes () no () unknown
Is a pitless adapter used? () yes () no () unknown
Well yield: () gpm () gph () gpd () measured () estimated () unknown
Surface annular material: () clay () sand () cement () drill cuttings () gravel () open annulus () other

Well head (casing top): () well cap () sanitary seal () open () other
Pump type: () jet () submersible () hand pump () turbine () none () bailer/bucket () other bladder
Level of pump intake: ft. () unknown
Age of pump: yrs. () unknown
Electric connection for pump: () 2 wire, 110V () 3 wire, 220V () unknown
Static water level: 52.70 ft. below surface () measured () reported () can't be measured () not measured 5/92

(12) OPTIONAL USE:
Will well owner allow state monitoring? () yes () no () unknown
Extent of monitoring allowed: () collect sample () measure static water level () pump well () remove well cap () other
Monitoring feasibility: high

Does the owner have any log or record concerning this well? () yes () no If yes, specify: drill log

(13) COMMENTS:

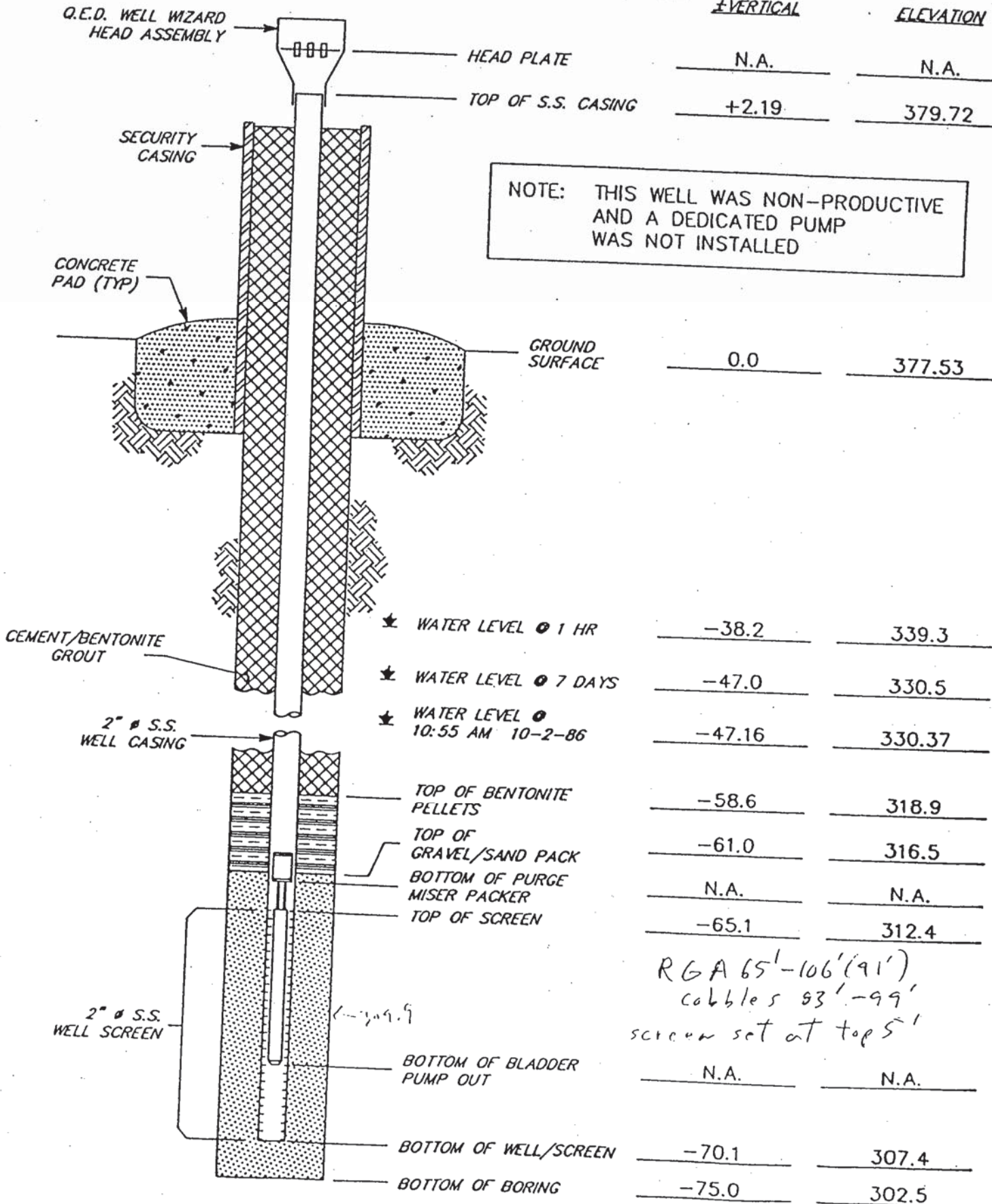
(6) SKETCH MAP:
South of C-400

(14) INSPECTOR IDENTIFICATION:
Name: Bell Jarrod C 3031
Last First MI Inspector ID #
Agency: () CHR () DOW () DWM () KGS () SOAP () Other
Signature of Inspector: Jarrod C. Bell
Date: 9 22 92 Number of Attached pages:

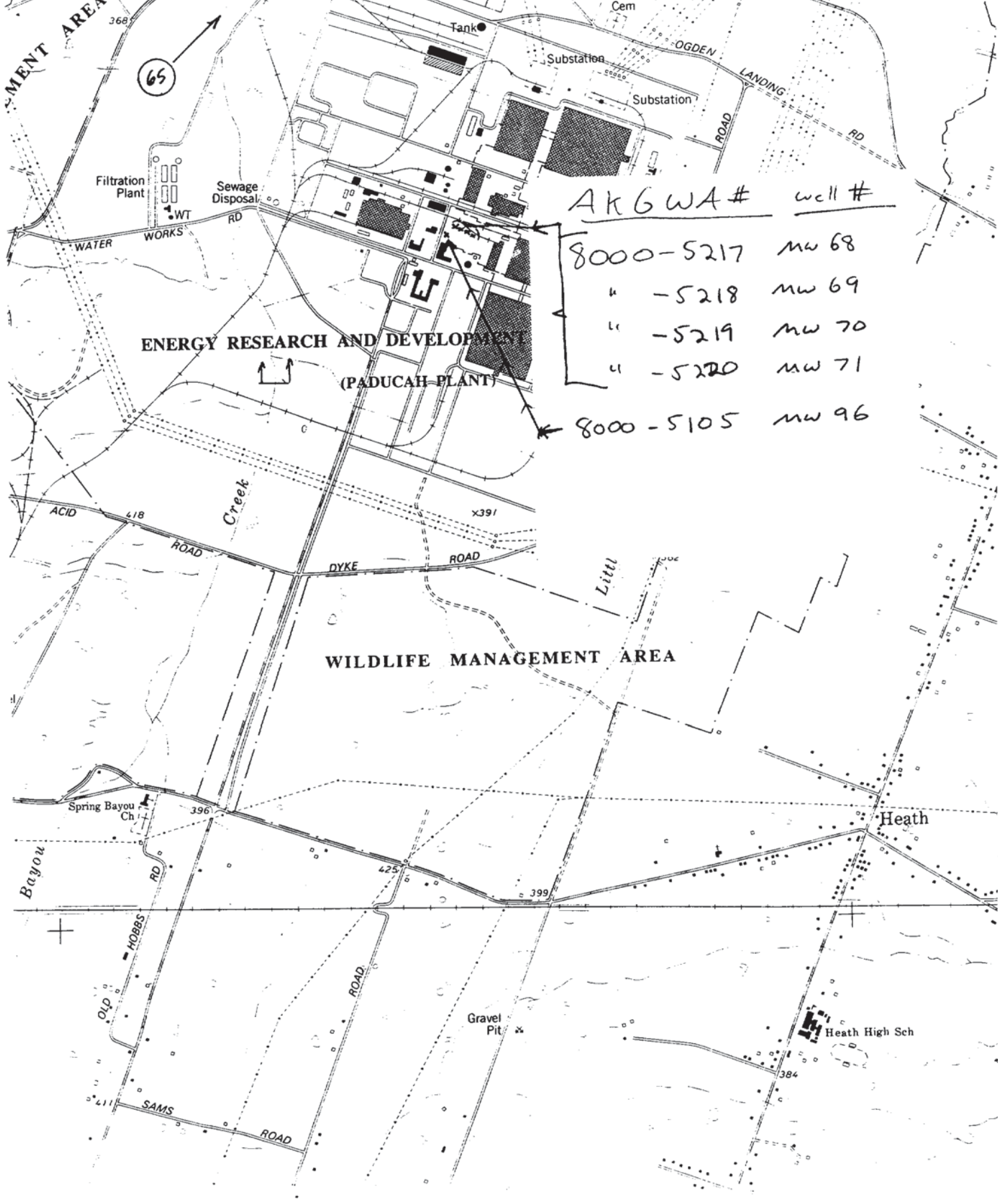
MONITORING WELL NO. 70
 MONITORING WELL COORDINATES 2074.5 S / 4327.8 W
 INSTALLATION DATE 8-18-86

68,69,70 NESTED

MARTIN MARIETTA
 PADUCAH GDP, KY
 PROJECT NO. ESO 16380







65

ENERGY RESEARCH AND DEVELOPMENT
(PADUCAH PLANT)

WILDLIFE MANAGEMENT AREA

ARGWA # well #

8000-5217 MW 68
 " -5218 MW 69
 " -5219 MW 70
 " -5220 MW 71
 8000-5105 MW 96

368

418

396

425

399

411

OGDEN

LANDING

ROAD

Heath

Heath High Sch

384

Tank

Substation

Substation

Filtration Plant

Sewage Disposal

WATER

WT

WORKS

RD

ACID

ROAD

Creek

DYKE

ROAD

Little

Bayou

RD

HOBBS

OLD

SAMS

ROAD

Gravel Pit