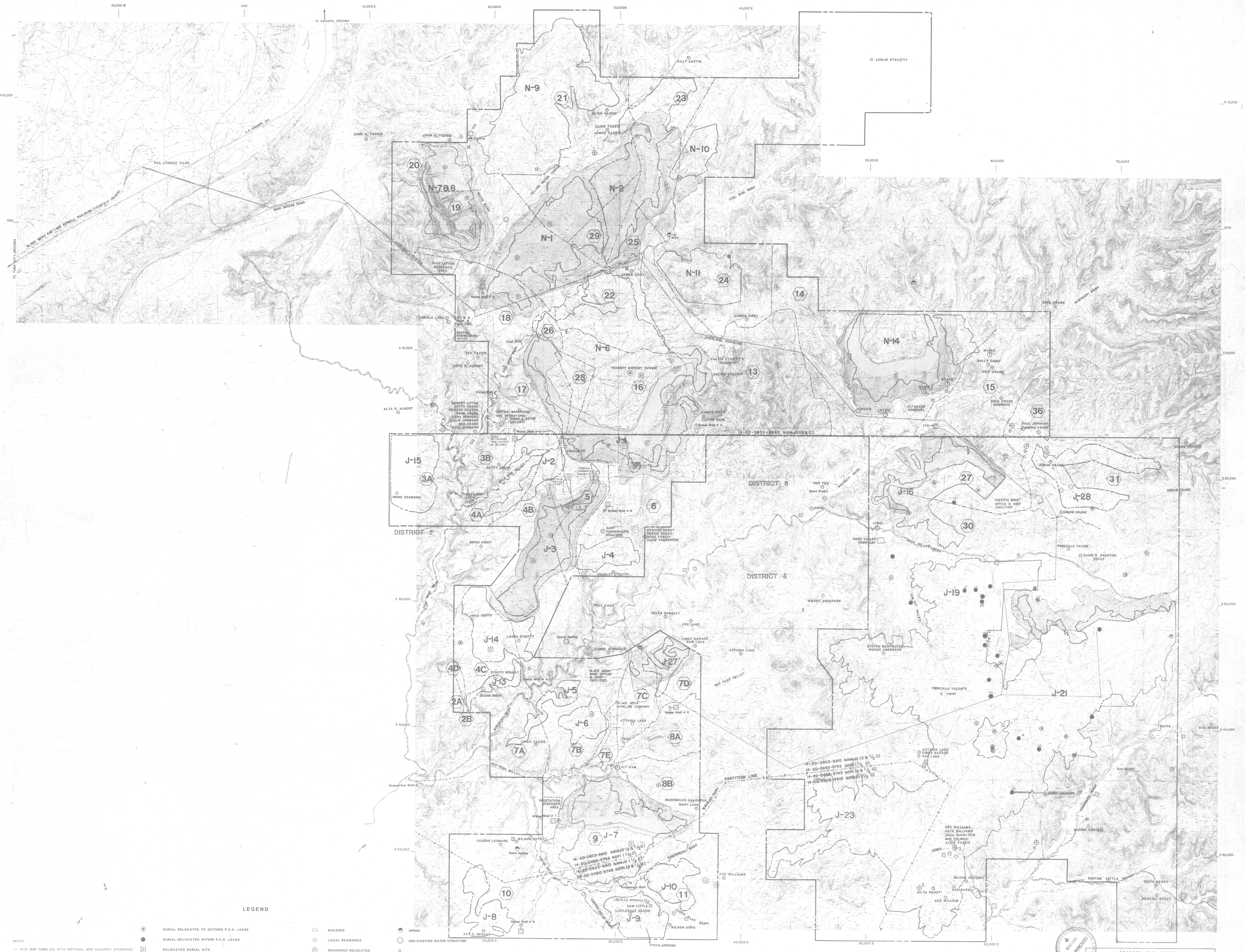


LEGEND

- BURIAL RELOCATED TO OUTSIDE P.C.C. LEASE
- BURIAL RELOCATED WITHIN P.C.C. LEASE
- RELOCATED BURIAL SITE
- BURIAL UNDISTURBED
- 10 GRAZING AREA NUMBER
- GRAZING BOUNDARY
- LEASE LINE
- COAL RESOURCE AREA
- BUILDING
- LOCAL RESIDENCE
- RESIDENCE RELOCATED
- CORNFIELD
- NAVAJO-HOPI FENCE LINE
- DISTRICT 8 LINE
- DISTRICT 4 LINE
- DISTRICT 2 LINE
- SPRING
- PRE-EXISTING WATER STRUCTURE
- NAVAJO WELL FACILITY

NOTES:

1) THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS.
2) FIELD SURVEYS PERFORMED TO 3RD ORDER ACCURACIES BY PEABODY COAL CO. ENGINEERING DEPARTMENT.
3) TOPOGRAPHIC/PLANIMETRIC BASE MAP COMPILED FROM NEAR VERTICAL NEGATIVE AERIAL PHOTOGRAPHY EXPOSED ON NOVEMBER 19, 1984 BY COOPER AERIAL SURVEY CO.
4) STEREOCOMPILATION, FINAL DRAFTING, AND PHOTOGRAPHIC REPRODUCTIONS PERFORMED BY COOPER AERIAL SURVEY CO.
5) 4000' GRIDS BASED ON PEABODY COAL COMPANY COORDINATE SYSTEM.

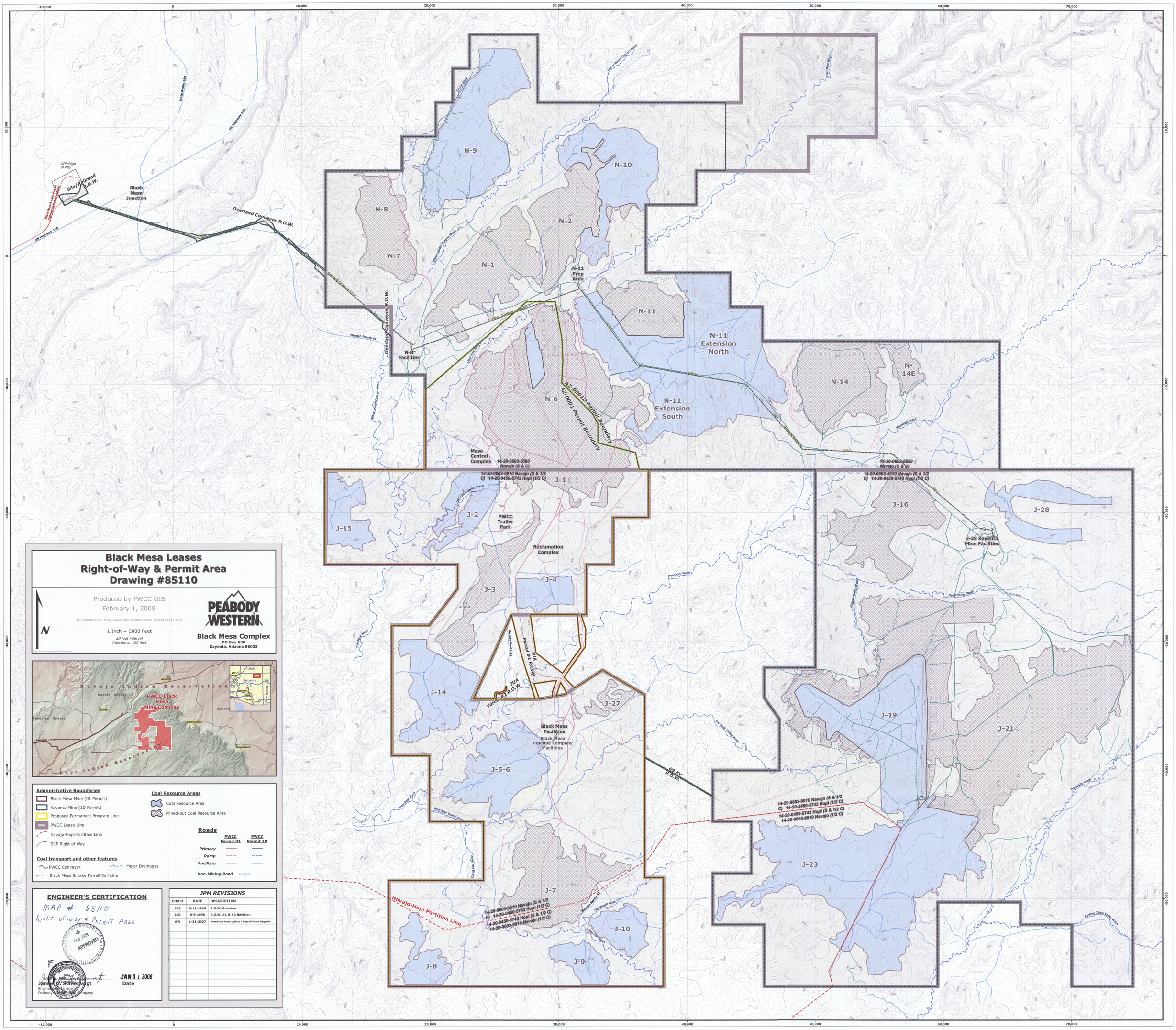
APPROVED

PEABODY COAL COMPANY
BLACK MESA – KAYENTA MINE
P.O. BOX 625
KAYENTA, ARIZONA 86033

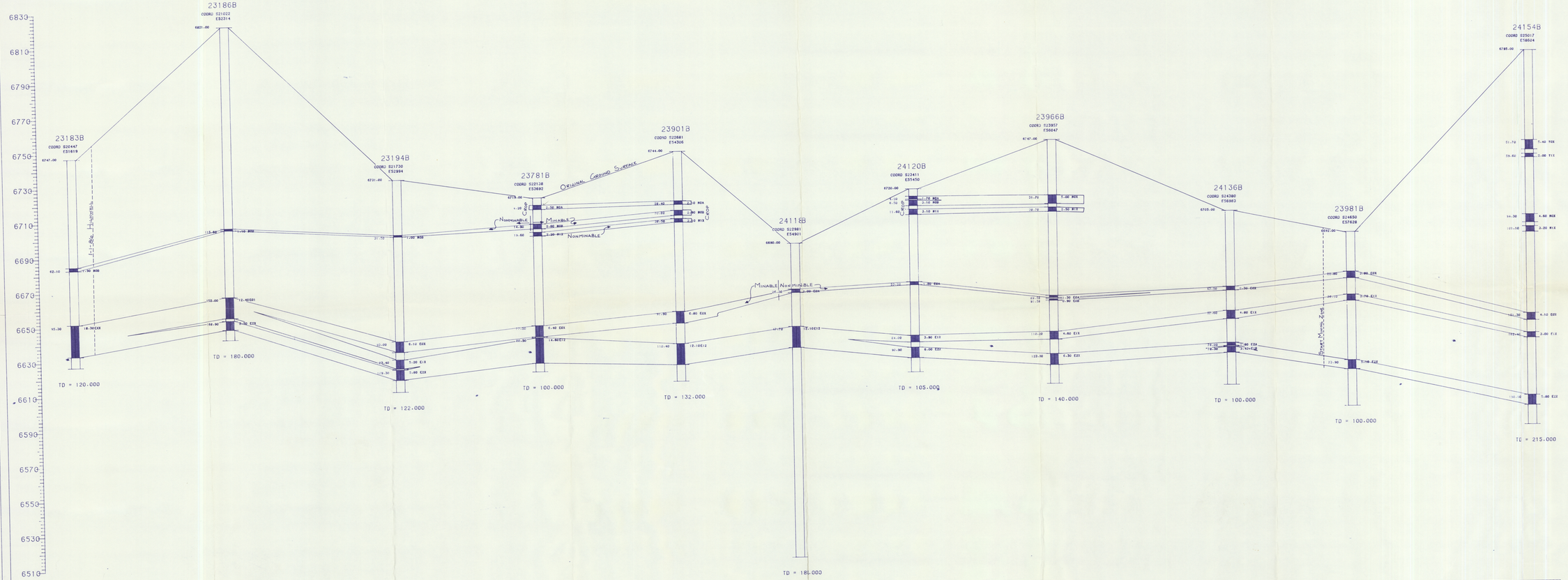
LAND USE MAP

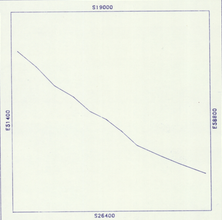
AB	FF	8-24-84	PERMIT RESPONSE	
F.O.	GWW	4-4-88	Midterm permit revisions	
DRAWN BY	APP'D BY	DATE	REVISION DESCRIPTION	

DWG. No. 85100
SHEET No. 1 of 1
DRAWN BY: Anne
DATE: 10-18-85
SCALE: 1" = 2000'
C.I.: 10'



Black Mesa Leases
Right-of-Way & Permit Area
Drawing #85110
Produced by PWCC GIS
February 1, 2008
T:\Projects\Black Mesa Leases 85110\Black Mesa Leases 85110.mxd
1 Inch = 2000 Feet
20 foot interval
Indexes at 100 feet
PEABODY WESTERN
Black Mesa Complex
PO Box 650
Kayenta, Arizona 86033
Navajo Indian Reservation
Hopi Indian Reservation
PWCC Black Mesa Mine Complex
Administrative Boundaries
Black Mesa Mine (01 Permit)
Kayenta Mine (1D Permit)
Proposed Permanent Program Line
PWCC Lease Line
Navajo-Hopi Partition Line
SRP Right of Way
Coal Resource Areas
Coal Resource Area
Mined-out Coal Resource Area
Roads
PWCC Permit 01
PWCC Permit 1D
Primary
Ramp
Ancillary
Non-Mining Road
Coal transport and other features
PWCC Conveyor
Major Drainages
Black Mesa & Lake Powell Rail Line
ENGINEER'S CERTIFICATION
MAP # 85110
Right-of-way & Permit Area
FEB 2008
APPROVED
James G. Schlenvogt
Engineer/Manager
Peabody Western Coal Company
JAN 31 2008
Date
JPM REVISIONS
CHK'D DATE DESCRIPTION
JGS 8-12-1996 R.O.W. Revision
JGS 9-6-1996 R.O.W. #1 & #2 Revision
GW 1-31-2007 Mined-Out Areas Update / Map Software Upgrade
Black Mesa Junction
Silo/Railroad R.O.W.
Overland Conveyor R.O.W.
N-9
N-10
N-8
N-2
N-7
N-1
N-11 Prep Area
N-11
N-11 Extension North
N-14
N-14E
N-6
N-11 Extension South
AZ-0001D Permit Boundary
AZ-0001 Permit Boundary
N-8 Facilities
Mesa Central Complex
14-20-0603-8580 Navajo (S & C)
14-20-0603-9910 Navajo (S & 1/2 C) 14-20-0450-5743 Hopi (1/2 C)
J-1
J-2
J-15
PWCC Trailer Park
Reclamation Complex
J-3
J-4
J-16
J-28
J-28 Kayenta Mine Facilities
JUA Parcel #1 R.O.W.
JUA Parcel #2 R.O.W.
J-14
J-27
Black Mesa Facilities
Black Mesa Pipeline Company Facilities
J-5-6
J-19
J-21
69 KV R.O.W.
J-23
J-7
J-10
J-8
J-9
Navajo-Hopi Partition Line





SEP 1 1995

DEPTH | THICK SEAM

KEY

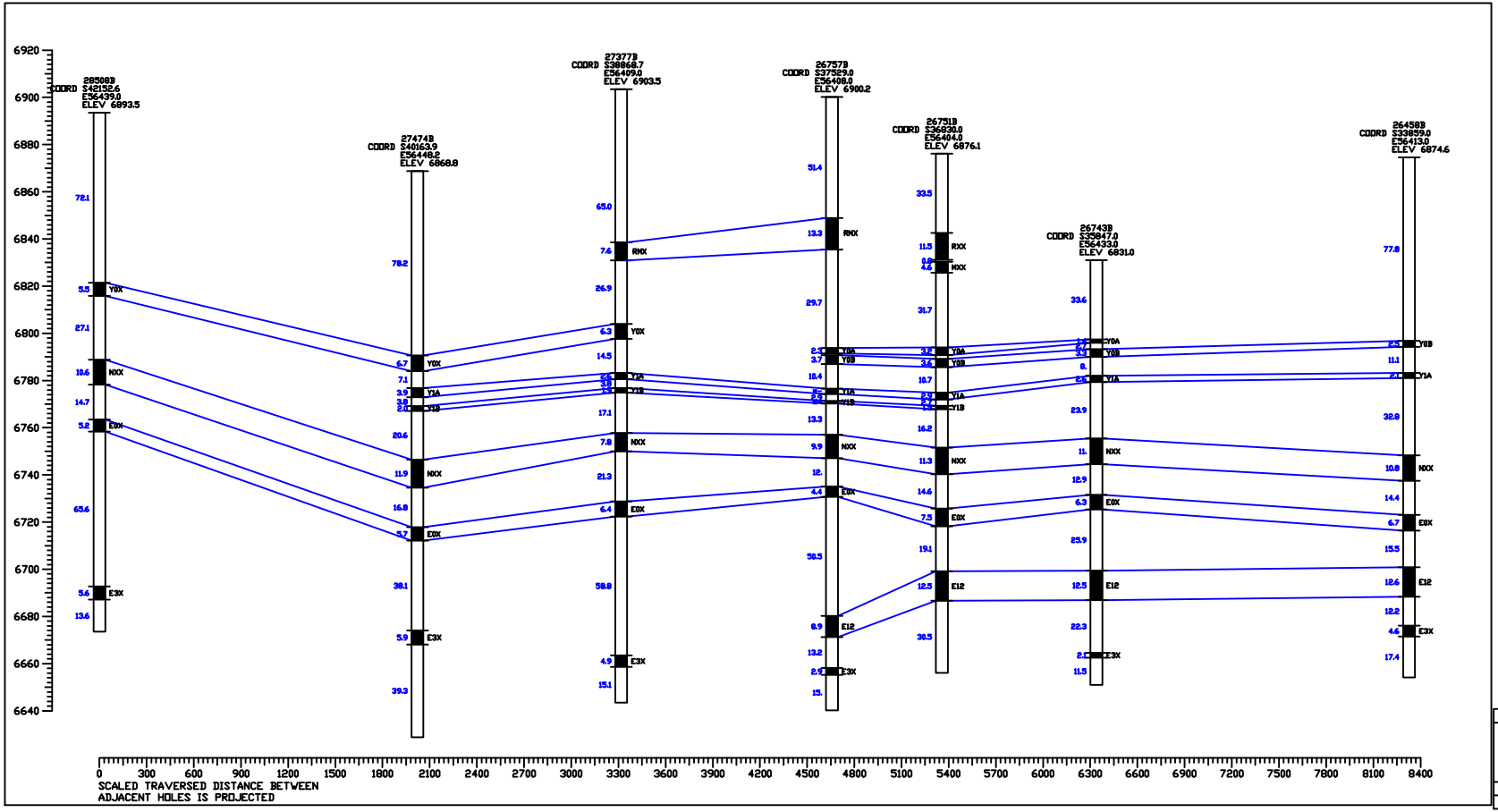
PEABODY COAL COMPANY

DRILL LOG CROSS-SECTIONS

TYPICAL GEOLOGICAL
CROSS SECTION
J-16 AREA # 2

VERTICAL SCALE: 1" = 20.00'
HORIZONTAL SCALE: 1" = 200.00'

DATE: ~~6/11/86~~ SEP 8 1995



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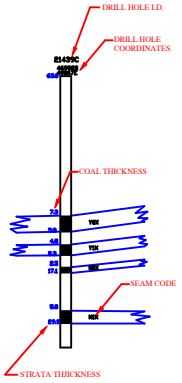


PEABODY WESTERN COAL COMPANY

KAYENTA MINE

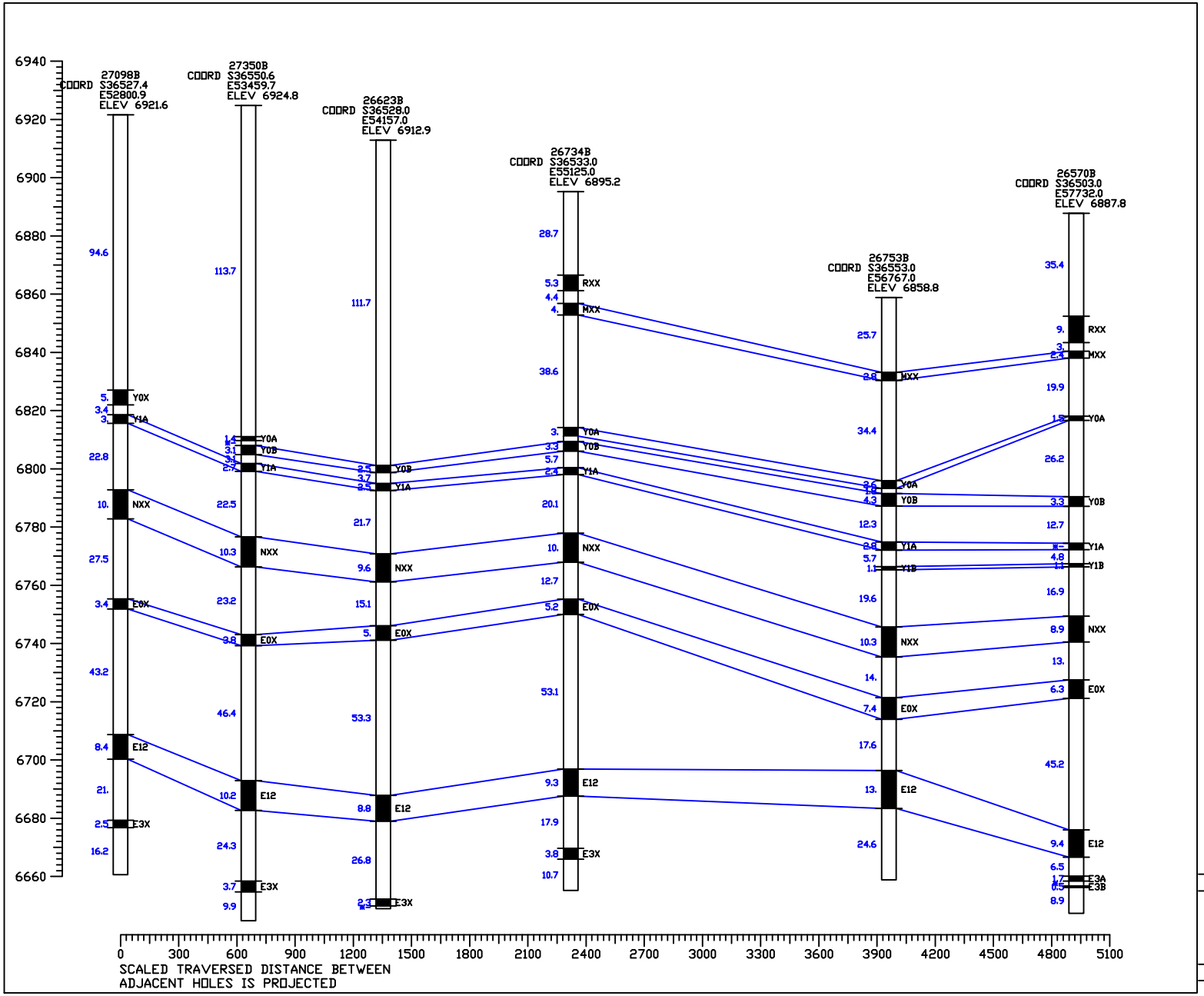
DRILL LOG CROSS-SECTIONS

TYPICAL GEOLOGICAL CROSS SECTION

J-19 SECTION #1

H: 1" = 300' V: 1" = 20'

DATE: 10/12/12



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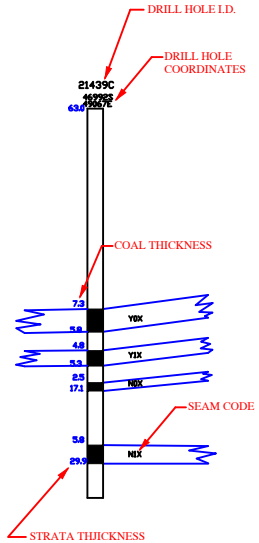


PEABODY WESTERN COAL COMPANY

KAYENTA MINE

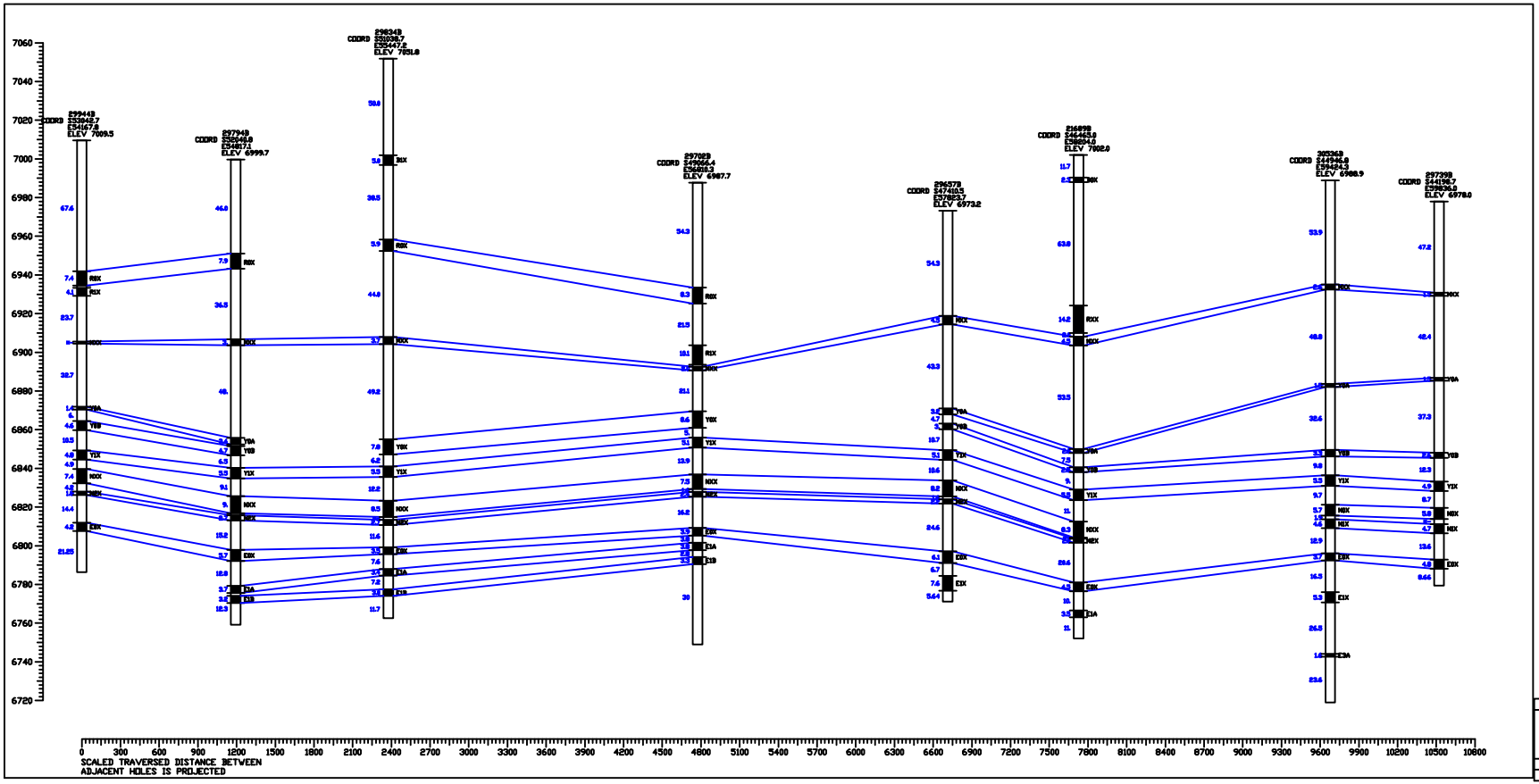
DRILL LOG CROSS-SECTIONS

TYPICAL GEOLOGICAL CROSS SECTION

J-19 SECTION #2

H: 1" = 300' V: 1" = 20'

DATE: 10/12/12



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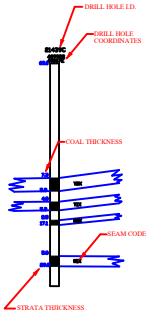


PEABODY WESTERN COAL COMPANY

KAYENTA MINE

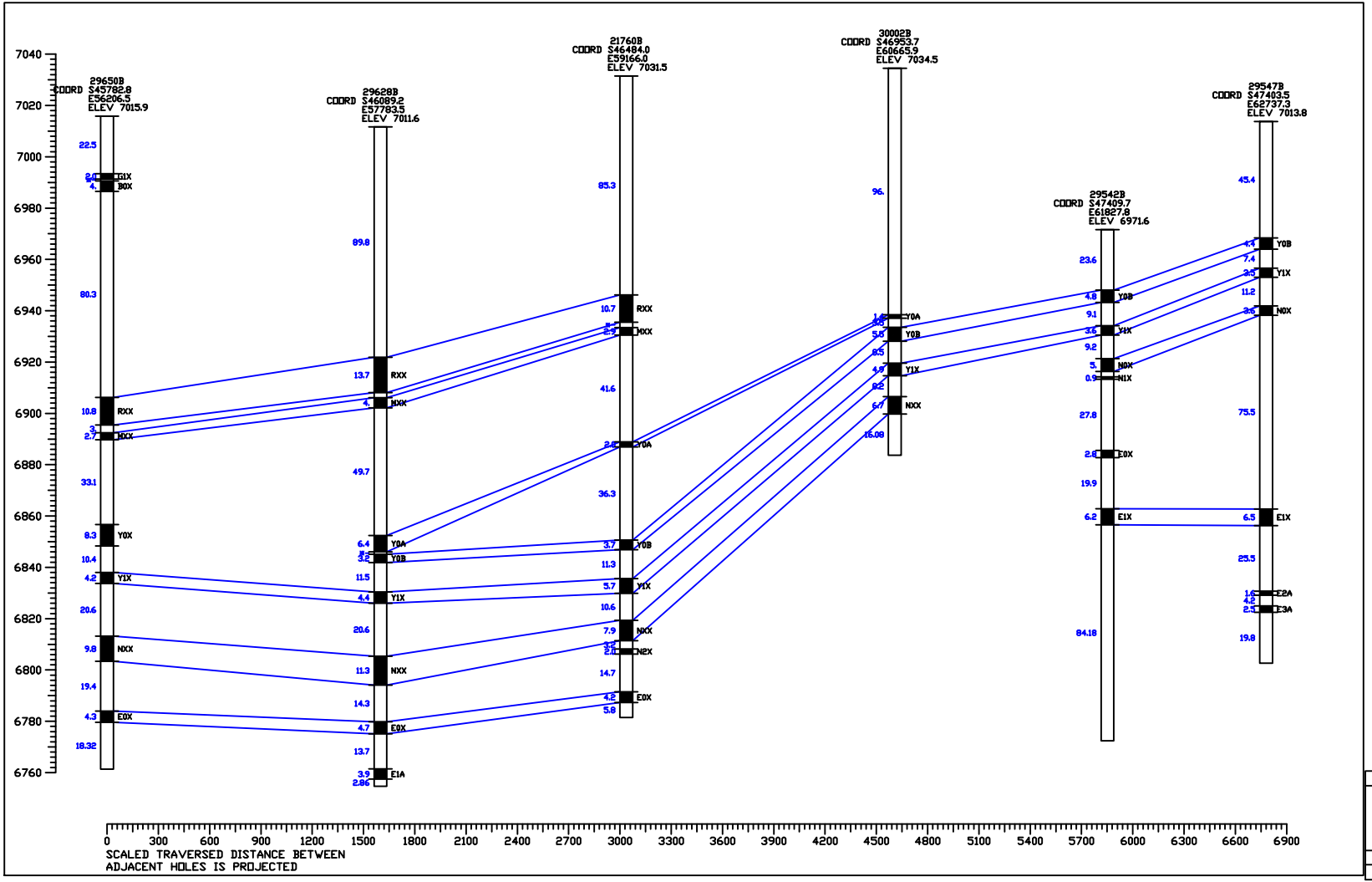
DRILL LOG CROSS-SECTIONS

TYPICAL GEOLOGICAL CROSS SECTION

J-21 SECTION #1

H: 1" = 300' V: 1" = 20'

DATE: 10/12/12



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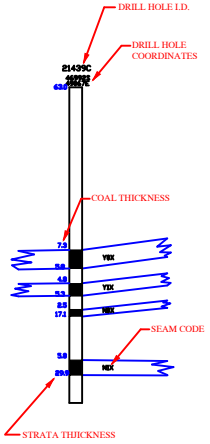


PEABODY WESTERN COAL COMPANY

KAYENTA MINE

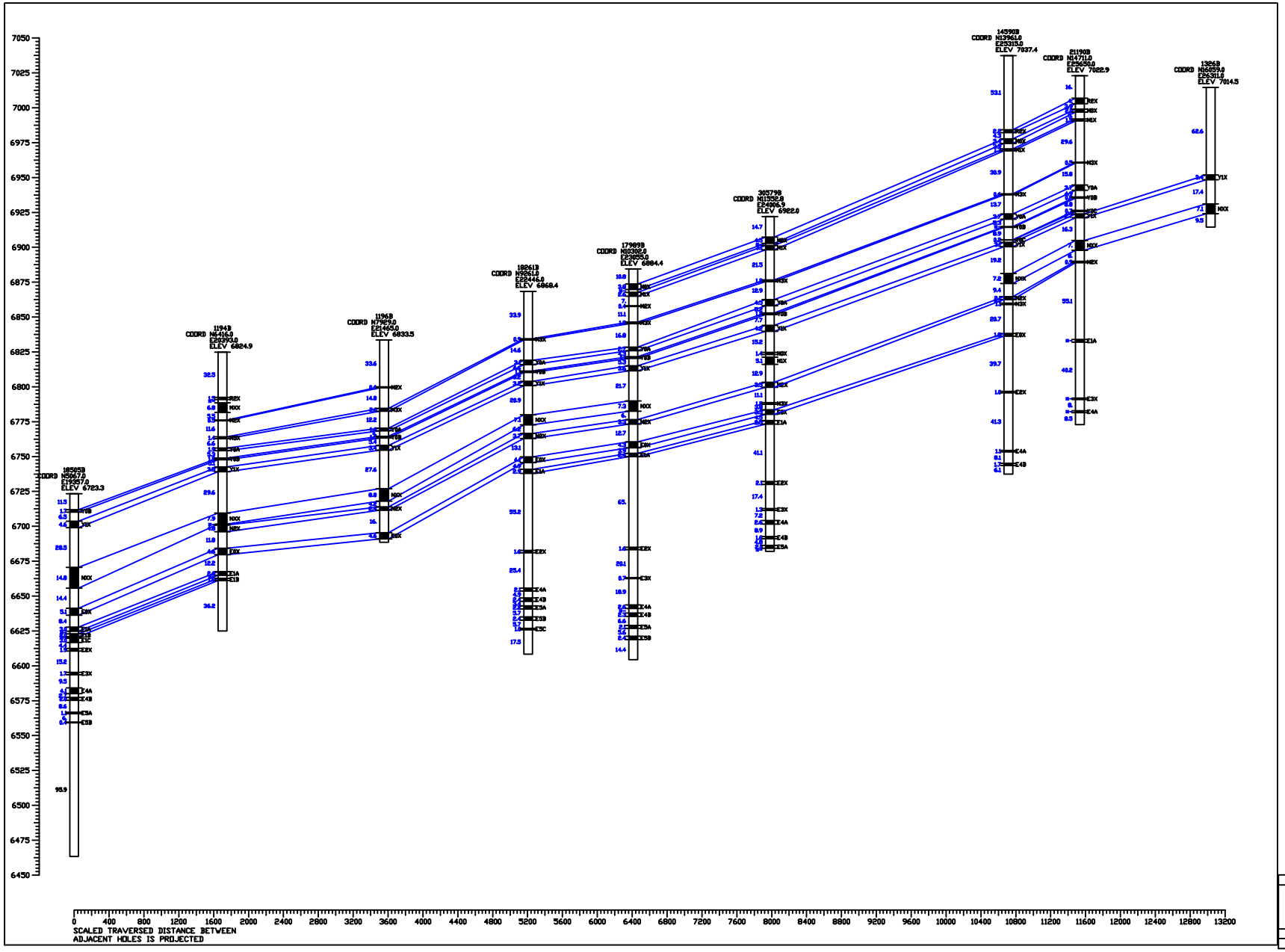
DRILL LOG CROSS-SECTIONS

TYPICAL GEOLOGICAL CROSS SECTION

J-21 SECTION #2

H: 1" = 300' V: 1" = 20'

DATE: 10/12/12



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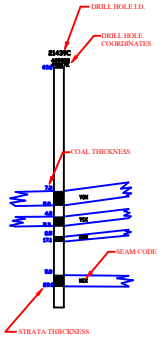


PEABODY WESTERN COAL COMPANY

KAYENTA MINE

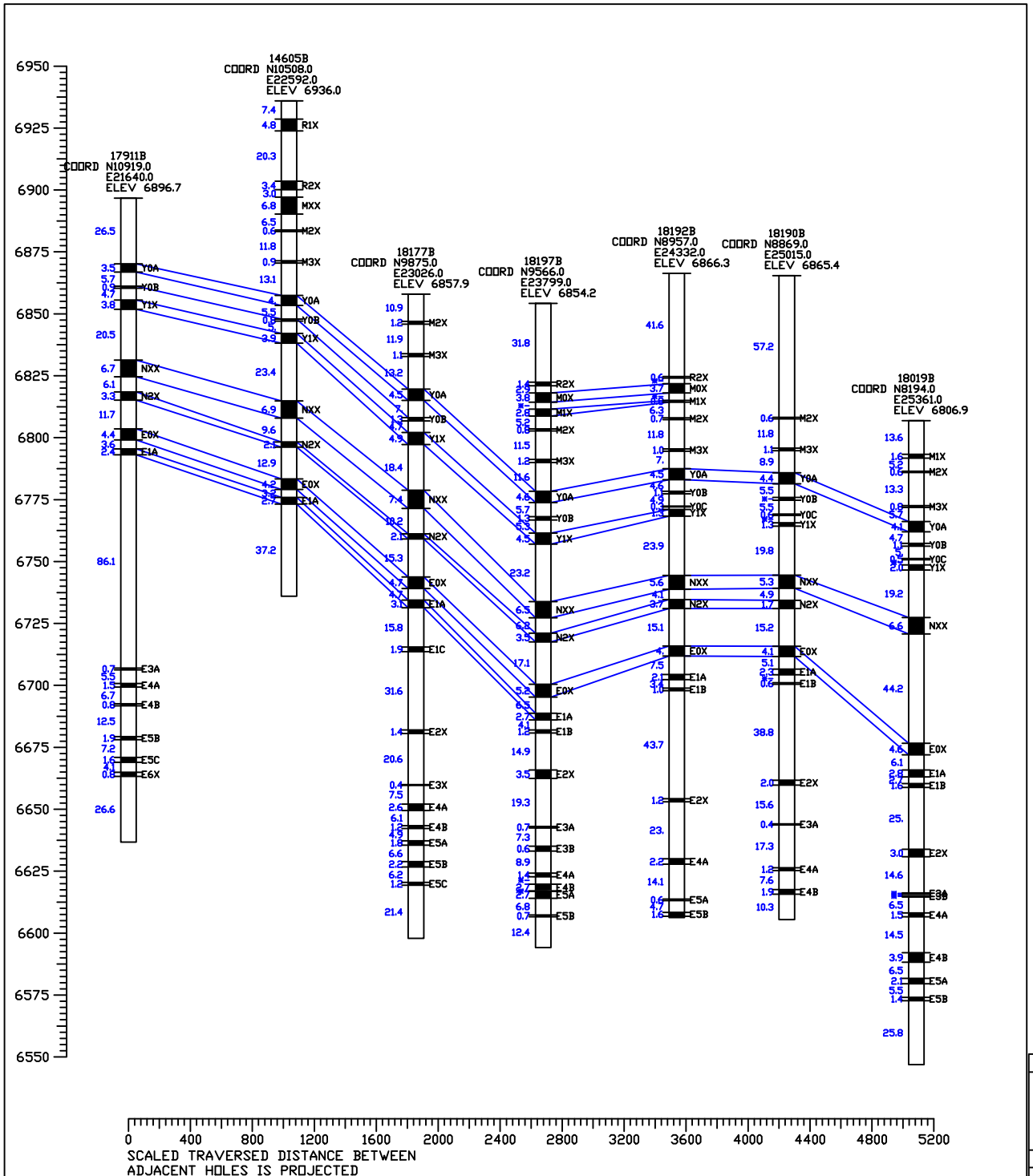
DRILL LOG CROSS-SECTIONS

TYPICAL GEOLOGICAL CROSS SECTION

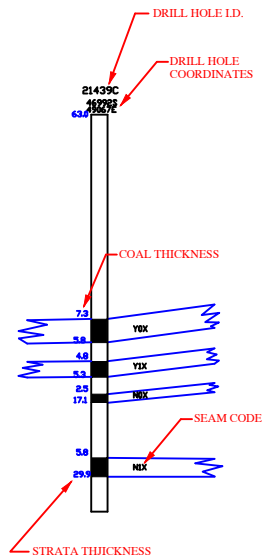
N09 SECTION #1

H: 1" = 400' V: 1" = 25'

DATE: 10/12/12



KEY LEGEND



PEABODY WESTERN COAL COMPANY

KAYENTA MINE

DRILL LOG CROSS-SECTIONS

TYPICAL GEOLOGICAL CROSS SECTION

N09 SECTION #2

H: 1" = 400' V: 1" = 25'

DATE: 10/12/12