



MONTGOMERY WATSON

75447

RECEIVED

JUN 23 1993

REMEDIATION SECTION

June 21, 1993

Site:	<u>Ralston site</u>
ID #:	<u>IAD980632451</u>
Break:	<u>10.9</u>
Other:	<u>Statement of Qual</u> <u>6-21-93</u>

Ms. Susan Hoff
 EPA Remedial Project Manager
 Waste Management Division
 U.S. EPA Region VII
 726 Minnesota Avenue
 Kansas City, KS 66101

MW #1166.0151

RE: Statement of Qualifications for BPB Instruments, Inc.
 Former Ralston Disposal Site, Cedar Rapids, Iowa

Dear Ms. Hoff:

Enclosed is the Statement of Qualifications for BPB Instruments, Inc. (BPB) of Evansville, Indiana, chosen as the subcontractor for performing borehole geophysical logging at the former Ralston disposal site in Cedar Rapids, Iowa. Also included is a copy of a certificate signifying the successful completion of the 40-hour health and safety course by the engineer of BPB who will be working on the project.

Due to delays in completion of the project schedule outlined in the June 1993 monthly report, borehole geophysics at MW-3E are tentatively scheduled for the week of June 28, 1993. You will be notified when an exact date has been established.

If you have questions or comments regarding this information, please feel free to give me a call.

Sincerely,

Jeffrey L. Cooh, P.E.
 Program Manager

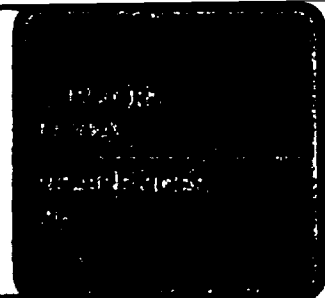
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 Enclosures



S00076083
 SUPERFUND RECORDS



TECHNICAL PAPERS OF BPB ORIGIN



The following is a chronological list of Slimline Logging orientated Technical Papers, presented by BPB Instruments staff up to October 1983. They range from general reviews and update discussions to more detailed descriptions of instrumentation and principles of detection, measurement, recording and interpretation.

The list is offered here as a reference summary. Copies of the actual papers are available on request and may provide useful additional understanding of the services offered.

Title and Author	Presented to	Location and Date
1. In-Situ Analysis of Coal by Borehole Logging Techniques; by D R Reeves	— 72nd Meeting of Canadian IMM	— Toronto, Canada April 1970
2. The Radiation Density Log Applied to the Resolution of Thin Beds in Coal Measures; by J R Samworth	— 3rd European Symposium of SPWLA	— London, England October 1974
3. Application of Wireline Logging Techniques to Coal Exploration; by D R Reeves	— 1st International Coal Exploration Symposium	— London, England May 1976
4. Development of Slimline Systems for Coal and Mineral Exploration; by D R Reeves	— 17th Annual Logging Symposium of SPWLA	— Denver, USA June 1976
5. A Digital Cassette System for Recording Coal and Other Logs; by M A Cherrie	— 4th European Symposium of SPWLA	— London, England October 1976
6. A Focussed Resistivity Tool for Slimline Logging; by M A Cherrie and J R Samworth	— 4th European Symposium of SPWLA	— London, England October 1976
7. Some Improvements and Developments in Coal Wireline Logging Techniques; by D R Reeves	— 2nd International Coal Exploration Symposium	— Denver, USA October 1978
8. Slimline Dual Detector Density Logging — A Semi Theoretical but Practical Approach to Correction and Compensation; by J R Samworth	— 54th Conference of SPE of AIME	— Las Vegas, USA September 1979
9. Slim Hole Dipmeter; by R W Wroot	— 7th Formation Evaluation Symposium of CWLS	— Calgary, Canada October 1979
10. In Truck Data Processing Techniques Applied to Slimline Logging; by R W Wroot	— 3rd International Coal Exploration Symposium	— Calgary, Canada August 1981
11. Application of Slimline Logging Techniques; by R A Hyde	— Simposio Sobre Prospeccion de Carbon	— Oviedo, Spain March 1982
12. Developments of Borehole Logging; by C C F Williams	— 4th International Coal Exploration Symposium	— Sydney, Australia May 1983
13. The Application of Wireline Logging Methods to Surface Mining; by P A S Elkington	— 2nd Surface Mining and Quarrying Symposium of IMM	— Bristol, England October 1983

Principal operating companies**BUILDING MATERIALS****GYPSUM-BASED****British Gypsum Ltd***United Kingdom*

Gypsum rock, building, industrial and medical plasters, plasterboard, partitioning, ceiling and lining systems, cove.

Thermal, fire and acoustic insulation products

*Gyproc, Carlite, Tbstle, Duplex, Fireline, Paramount, Glasroc***Gyproc AB (25%)***Sweden (BPB Industries plc holds, indirectly, 100% of the 'B' shares (9.9% of the equity) and 77.2% of the loan capital of the company and is entitled to 25% of the profits and voting rights)*

Plasterboard

*Gyproc, Gyptone, Woodroc, HILA***Gyproc Benelux NV* (46.1%)***Belgium (The company also operates through subsidiaries in Germany and the Netherlands)*

Plasters, plasterboard, cove, gypsum blocks

*Gyproc, Gyplat, Gygant***Gypsum Industries Ltd* (50.1%)***South Africa*

Gypsum rock, plasters, plasterboard, cove, metal sections

*Rbinoboard, Rbinolite***Gypsum Industries plc***Republic of Ireland*Gypsum rock, plasters, plasterboard, texture coatings, thermal and acoustic insulation products, DIY products
*Gyptex, Gyplatb, Gyplite, Gypweld, Artex***India Gypsum Ltd (40%)***India*

Plasterboard

*Gypboard, Gypstud***Inveryeso SA (65%-note 3)***Spain (The company operates principally through Escayolas Camara SA, Vilovigyps SA, Vyesa SA and Yesocentro SA)*

Gypsum rock, building and moulding plasters, gypsum blocks and ceiling tiles

Isobox-Henry Snc (85%)*France*

Polystyrene thermal laminates and building products

*Isoplac, Plasterplac, Stisol, Cellomur, Styrex***Italgips Srl***Italy*

Plasterboard

Les Platrieres de**Grozon SA (99.4%)***France*Gypsum rock, plasters, gypsum blocks
*Carreau de Platre SPG, Platre Batibric***Placoplatre SA (99.5%)***France*

Plasterboard, partitioning, thermal and acoustic laminate boards

*Placopan, Placomur, Placolaine, Placoterm, Placoflam***Platres Lambert SA (note 3)***France*

Gypsum rock, building and industrial plasters, gypsum blocks

*Platre de Paris Lutece, Molda Super, Clam***Rigips Austria GesmbH***Austria*Plasters, plasterboard
*Bau Schblau, Rimat, Dialit, Soluflux***Rigips Benelux BV***Netherlands*Plasterboard, accessories
*Lugato, Multisol, Rinoflam***Rigips GmbH***Germany*Plasters, plasterboard
*Rigicell, Rimat, Ritop, Rigitberm***SAMC (note 3)***France*Gypsum rock, building, industrial and medical plasters, gypsum blocks
*Aquabel, Blanca, Ampbore, Joker***VIC Italiana SpA***Italy*Gypsum rock, plasters, insulation products
*Intonaco Pronto, Monocote, Surmix, Scagliola, Toro 9***Notes**

1 Unless otherwise indicated, each company is incorporated in its principal country of operation (as shown in italics); companies operating in the United Kingdom are incorporated in Great Britain, registered in England and are subsidiaries of, and authorised agents acting for and on behalf of, BPB United Kingdom Ltd.

2 The ordinary share capital of each company is wholly owned, except where the percentage interest is otherwise indicated. BPB United Kingdom Ltd (note 1) is the only company in which BPB Industries plc has a direct interest.

3 Acquired during the year; see pages 24 and 25.

4 Principal brand names are shown in italics after the product descriptions, except where they are also corporate names.

* Not audited by the auditors of BPB Industries plc or by their associates.

Westroc Industries Ltd*Canada*

Gypsum rock, plasterboard, partitioning

*Marvelite, Firestop, Aquaguard, Modulaire***INTERIORS****Artex Ltd***United Kingdom*

Paints, texture coatings, cove

*Artex AX, XL, Force 8,**Hyclad, Spraytex***Blue Hawk Ltd***United Kingdom*

DIY home improvement products

Treetex Acoustics Ltd*United Kingdom*

Decorative acoustic ceiling products

*Kaleidoscope, Glacier,**Skyline, Pinstripe, Maxatex***INSULATION****Gyproc Insulation Ltd***United Kingdom*

Thermal and acoustic insulation products

*Gypglas, Walltberm***Moy Insulation Ltd***Republic of Ireland*

Thermal and acoustic insulation products, glass reinforcement and lining tissue

*Moyplus, Moytberm***PAPER AND PACKAGING****BPB Paper & Packaging Ltd***United Kingdom (Registered in Scotland)***PAPER AND BOARD****C. Davidson & Sons****Purfleet Board****Radcliffe Paper & Board***United Kingdom*

Plasterboard liner, packaging boards, industrial papers and boards

*Binderboard, Donliner,**Ecoliner, Uniliner,**Radboard, Radliner, Radcor***Kartonfabriek****"De Eendracht" NV***Netherlands*

Plasterboard liner, packaging boards

*Grunoplex***Tecnokarton GmbH****& Co KG* (29%)***Germany*

Plasterboard liner, packaging boards

WASTE PAPER**Davidsons Waste Paper***United Kingdom***J. de Paauw & Zonen****Holding BV***Netherlands***CONVERTING****Abertay Paper Sacks***United Kingdom*

Multi-wall paper sacks

*Visuvent***Billington Paper Tubes****Centacor****Radcliffe Paper Tubes***United Kingdom*

Spiral and convolute paper tubes

Bischof + Klein (UK) Ltd**(50%)**United Kingdom*

Plastic flexible packaging materials

Chambers Packaging**Fiberite Packaging****Merton Containers***United Kingdom*

Solid fibreboard containers and sheets

Congleton Board*United Kingdom*

Lined, pasted and wax-laminated sheets and reels

Landor Cartons*United Kingdom*

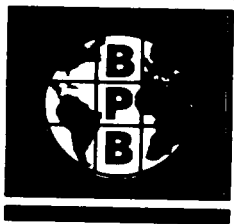
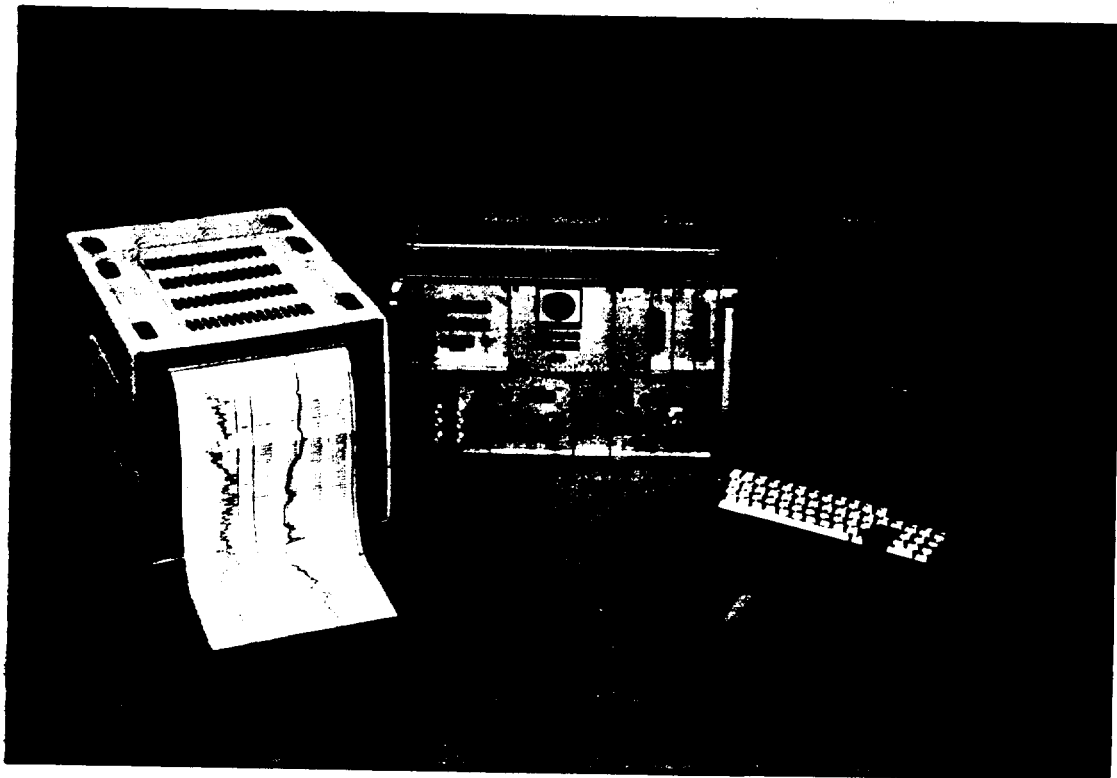
Folding cartons and packaging systems

WIRELINE SERVICES**BPB Instruments Ltd***United Kingdom**(A worldwide service is provided through subsidiary companies operating in Australia, Canada, USA and Germany)*

Well logging and evaluation, perforating, electronic instruments

*BPB Integrated Digital System,**BPB Slimline Services,**BPB Wireline Services,***VECTAR®**

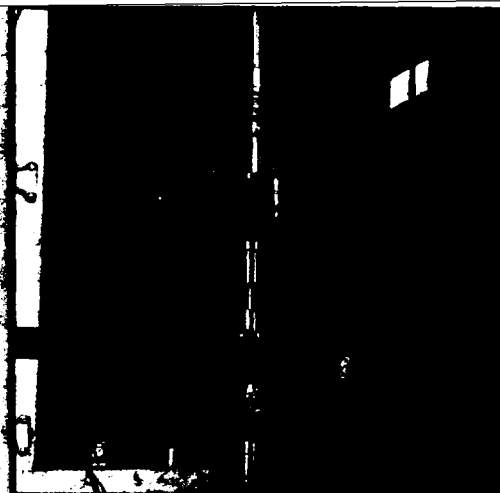
SLIMLINE GRAPHICS UNIT



SLIMLINE SERVICES



SGU Deep Logging Unit



Slimline High Angle Dipmeter

FEATURES

REAL TIME DIPMETER INTERPRETATION

REAL TIME CALIBRATED, FINAL HEADED LOGS FROM THE HIGH RESOLUTION THERMAL PLOTTER ON FANFOLD OR PLAIN, TRANSLUCENT AND CLEAR FILM ROLLS.

INDUSTRY STANDARD LIS 9 TRACK TAPES ON SITE

INDUSTRY STANDARD LAS FLOPPY DISCS ONSITE

UNRIVALED FLEXIBILITY IN OUTPUT PRESENTATION : MERGED LOGS; TVD CORRECTIONS; SONIC INTEGRATION; SONIC VELOCITY LOGS; HOLE VOLUME; ANNULAR VOLUME; CROSS PLOTS; VERTICALITY CROSS SECTIONS.

REPROCESSING OF DETAIL ZONES.

SS1 SONIC WAVEFORM RECORDING AND PRESENTATION

API OILFIELD REPLAY SYSTEM WITH PRESENTATION GRAPHICS FEATURING CURVE IDENTIFICATION AND SHADING OPTIONS.

ON SITE INTERPRETATION, LISTING AND DISPLAY PACKAGES FOR LITHOLOGY ANALYSES, ASH ANALYSES, VERTICALITY, SPECTRAL GAMMA, SEISMIC REFERENCE REPORTS, DRIFT CORRECTED SONIC, BREAKOUT ANALYSES, STRENGTH INDICES.

A FULL TELS COMPUTER CENTRE IN THE FIELD

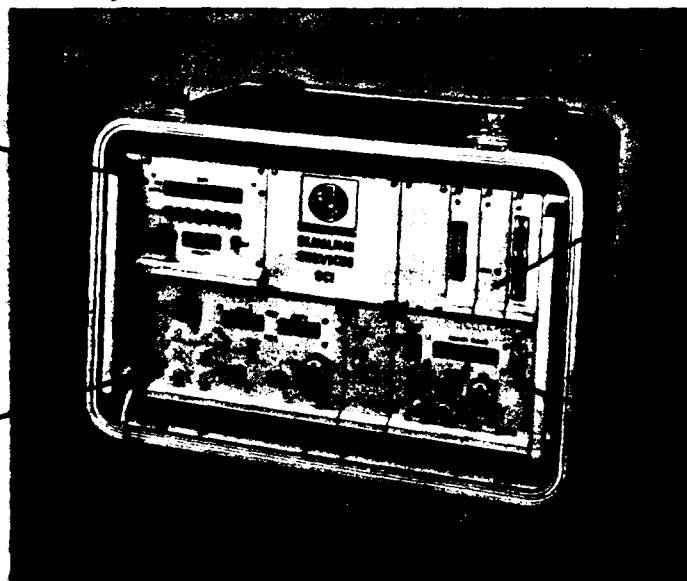
FULL SUPPORT FOR REPROCESSING AND REFORMATING PREVIOUSLY RECORDED BPS DATA CASSETTES

DATA TRANSMISSION BY PHONE OR RADIO LINK

HIGH RESOLUTION COLOUR PLOTTING

Depth
Display

Sonde
Power



Computer
Interface

Decoder

SGU in Flight case

DESCRIPTION

The Slimline Graphics Unit SGU is a portable computer and presentation graphics display system linked by the Slimline Computer Interface SCI to the full range of BPB Slimline Downhole Sondes.

Raw data is recorded in 100 mm, 10 mm, or 2 mm depth sample increments and the surface computer simultaneously calculates and records raw data together with fully calibrated, filtered, corrected or compensated data to either floppy or hard disc using verification to ensure data integrity.

Logging can be undertaken going downhole, coming up hole or in time mode. A full range of depth scales are available for real time plotting in either metres or feet.

The equipment is small lightweight and extremely portable. Whilst the SCI is permanently fixed in the logging truck, the portable computer, plotter and optional tape drive may be set up anywhere for reprocessing, analysis or replay presentation. On intensive programmes a second portable computer and plotter could be deployed.

OPERATION

On arrival at location the engineer inputs borehole data, calibrations and the required output presentation; sets up the desired tool bitstring and runs into the hole. Upon reaching the required logging depth a single key input starts recording the logging data.

On completion of logging a comprehensive range of processing, analysis, interpretation, replay and data handling packages are available for use on site, back at field camp, at base or in the client's office.

