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* NO.91(MAY 11, 1992) * GEORGE CROSS NEWS LETTER LTD. * FORTY-FIFTH YEAR OF PUBLICATION *

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1710-609 GRANVILLE ST. P.O. BOX 10363 STOCK EXCHANGE TOWER VANCOUVER, B.C. V7Y 1G5

> (604) 683-7265 FAX (604) 683-5306

> > 400

NO.103(1992) MAY 28, 1992

EXPLORATION DEPARTMENT George Cross News Letter
"Reliable Reporting"

WESTERN CANADIAN INVESTMENTS

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NO.103(1992) MAY 28, 1992

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EXPLORATION DEPARTMENT

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NO.244(1985) DECEMBER 19, 1985

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F.U. SUÁ 10383 STOČK EXCHANGÉ TÖWÉŘ VANCOUVER, B.C. V7Y 1G5

683-7265 (AREA CODE 604)

George Cross News Letter
"Reliable Reporting"

NO.244(1985) DECEMBER 19, 1985 190 CANADIAN MINES HANDBOOK-1985-86 FROM: F. T. GRAYBEAL

TO: WLK/JAS/JHC

Major U308 activity in

Alamo Lake area (Bill WilliamsSemta Mana - Big Sandy confluences)
with 20-30 companies holding
ground and most of them drilling!

U308 occur in clays and mails
in mid to late Tertary lake
sediments - all uncanobidated.

Shelton currently drilling here.



Southwestern Exploration Division

July 18, 1977

TO: F. T. Graybeal

FROM: J. D. Sell

General Mohave County, Arizona

In mid-1976, the Arizona Department of Mineral Resources worked with the Mohave County Board of Supervisors on a study to determine the feasibility of a custom mill for Mohave County. The first phase of the project was to be the establishment of a permanent mining file library which was scheduled to be completed in late 1976. Mr. Vernon Dale of the ADM was the project leader. He has now terminated with the ADM.

I understand that the U of A has now entered into the program in testing various ores in determining a general flow sheet.

Mr. Rich Lundin, Managing Director of Wallaby Enterprises, has related to me that he now has ten companies (mostly energy related) supporting his group investigating Mohave County. Lundin compiles all reports on the geology, production, etc. data of the various districts and puts the info in a packet for sale. In this study he is also sampling all the dumps of the area and rechecking numerous mine openings plus other favorable looking structures.

James D. Sell

JDS:1b



Southwestern Exploration Division

January 4, 1980

TO: F. T. Graybeal

FROM: J. D. Sell

Tops, Bottoms, and Ore Precious Metal Systems

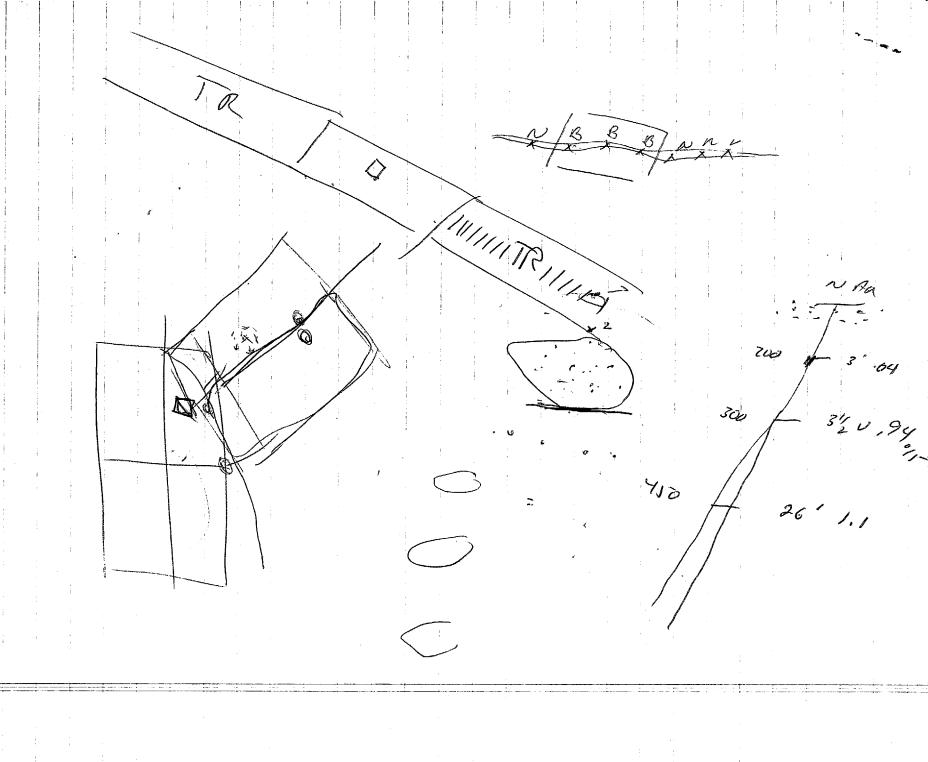
Perry Durning was in on 12/27/79 to see Kroha on possible sale of 4 oz. silver-silica flux and then stopped in to chat with me about Silver King. (Marnee et al own a patented claim in the area.)

A general discussion on his work at Oatman was opened. (Perry is now with a private group.) He feels that the group has put together a reasonable picture of the precious metal systems and can determine from temperature—salinity fluid inclusion studies, et al, the position of the top, bottom, and ore-bearing horizon within the system. He feels that up to 2000 feet of the system at Oatman can be reconstructed from known exposures, that boiling is a prerequisite for ore deposition, that boiling is seen in the "barren" tops, and ore is found in the deeper reaches of these barren zones (one of his holes, 500 feet deep, found +20 feet of quartz running 0.2 oz. gold under a zone of "weathered" volcanics).

He is aware of our Portland drilling, but would be interested in more info.; he invites a visit to Oatman and the grand tour of the work. He will be giving a paper at AIME-Las Vegas and perhaps a tour afterwards by P. Vikre, S. Davis?, and myself would be in order?

James D. Sell

JDS:1b



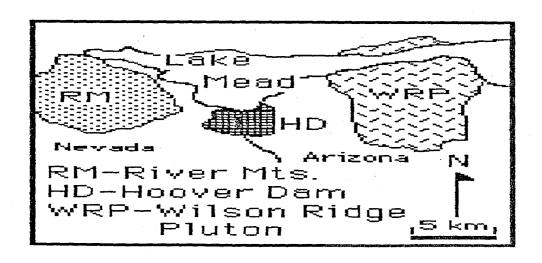
THE WILSON RIDGE PLUTON, A DECAPITATED MID-MIOCENE INTRUSIVE COMPLEX IN NORTHWEST ARIZONA

Daniel L. Feuerbach* and Eugene I. Smith

A decapitated mid-Miocene composite pluton in the northern Black Mountains, northwest Arizona, is the subvolcanic equivalent of volcanic complexes in the Lake Mead-Hoover Dam area. The Wilson Ridge Pluton (WRP) was sliced by a west-dipping detachment fault that resulted in westward displacement (20km) of its volcanic cover. Windows into the interior of the pluton were provided by later horst and graben formation. Dialation of the pluton was accommodated by the emplacement of numerous north-trending dikes.

The pluton is characterized by a hypabyssal cap consisting of aphanitic monzonite to quartz monzonite grading downward into fine to medium-grained biotite-quartz monzonite. Deeper levels are composed of coarse-grained biotite-sphene quartz monzonite to granite that intrude hornblende-sphene diorite near the margins of the pluton. Biotite-lamprophyre and basalt dikes cut all levels of the pluton. Dacite dikes only cut the hypabyssal cap. Granite porphyry dikes are common deeper in the pluton.

Prior to detachment faulting, volcanic complexes in the River Mountains and at Hoover Dam, now 10-20 km west of the WRP, were positioned above the pluton. Correlation of plutonic rocks with their volcanic cover is based on plots of relatively immobile trace elements like Hf, Ta, and Th. Hornblende and sphene(?) dominated fractional crystallization of the WRP is suggested by decreasing total rare-earth elements (REE) content with increasing SiO₂. The WRP is more highly evolved than cogenetic volcanic suites as evidenced by higher silica and lower REE values.





(Abstract of 1984 properties, cont.)

Nevada:

Ziff: 1450 acres; Carlin-type disseminated gold; geochemical anomalies Au .015 oz/T, Ag .04 oz/T, As 1030 ppm, Hg 24,000 ppb, Sb 2810 ppm, Ba 7200 ppm; extensive hydrofracturing, jasperoidization, lystric faulting, barite veinlets in series of Roberts Thrust windows; deep magnetic high; good access; property surrounded by Kennecott, Amselco and Exxon.



Arizona:

Nimrod: 600 acres; Mineral Park-type gold-copper porphyry; hydrothermal alteration extensive in fault zones penetrating dense, upper Precambrian plate; much malachite and stibnite; preliminary assay Au .5 oz/T, Ag 6 oz/T, Cu 3%.

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PO. Box 162, Provo, UT 84603 801-374-5524 73-445





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ABSTRACT OF 1984 PROPER'

Below is a listing of mineral property blocks currently owned by Front Range and acquired in 1984. The properties are listed according to state and present exploration status, including presently known geochemical anomalies.

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UTAH:

Sheeprock: 600 acres; Tintic-type silver-molybdenum porphyry; geochemical anomalies Au .015 oz/T, Ag .2 oz/T, Cu > 70 ppm, Mo > 15 ppm, Zn 80 //g/l; extensive hydrothermal alteration; siliceous vein capping; association with productive gold, manganese and uranium zones.

Cork: 2300 acres; structurally associated and similar to Sheeprock; same data.

Argos; 550 acres; adjoining 1200 acre property acquired in 1983; Binham-Goldfield-type gold-base metal porphyry or massive sulfide deposit; extensive hydrothermal alteration, siliceous vein capping, alunite; geochemical anomalies As 1600 ppm, Hg 600 ppb, Mo>15 ppm.

North Star: 160 acres, adjoining 1000 acre property acquired in 1983; structurally related and similar to Argos property; same data.

Blue Molly: 350 acres; scattered claims within an established gold district; extensive hydrothermal alteration; no geochemical data yet available.

Alpha: 1150 acres; precious-base metal deposit; extensive hydrothermal alteration; old prospects and shafts; no geochemical or mapping data yet available.

Omega: 1700 acres; precious-base metal deposit; extensive hydrothermal alteration; no geochemical or mapping data yet available.

Complex: 1600 acres; placer gold; erratic values up to 1 oz/T; needs further testing to determine accuracy of previous tests.

ASARCO Incorporated

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SW Exploration

Mr. Williamson of Chloreste, AZ

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Exploration DepartmentSouthwestern United States Division

January 9, 1987

Ms. Kay Barshars, Title Dept. Lawyers Title Agency of Mohave P.O. Box 3599 Kingman, AZ 86402

> Re: My letter of October 29, 1986

Dear Ms. Barshars:

Reference is made to our telephone conversation of December 19, 1986 in which you stated that you had mailed the information we requested.

You expressed concern that we had not received the information. I suspect that the letter you sent became lost, and would very much appreciate it if you would provide us with another copy.

Sincerely,

William D. Gay

Land Engineer

cc: J.D. Sell

WDG:mek

418-30 1/2 Road
Grand Janetia, CO 81504 (summer)

can call sister-in-law in 62 & she'll relay message as he calls in seven so after.

Grand Jeunstin, CO

303/ 434-4852.

- 1. Heilden Treasero Clacim, Wollopais Mini, West, Mohawie, 42
- 2. Combo Closeins, Aguly West, yavapai Co, AZ
- 3- Gold Bullion Group (5 of an Ex) Big How Mlin, Marser Co, 12
- 4. 10 P Claim Group, E of Hashita, Luna Co. NM
- 5. Polaris Claims, Victoria Mln, Leena Co, NM.

Mr. Robert Lawson Box 223 Mina NV 89422

Down payment -Sangleing. p.92 GSA Cordilleran abstracts. JDS FILE Mohaweln Ca-AZ

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p.36 GSA Cordillera Chstracts Co 1991 ng no boundary between

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JOS cary / Cong forms into

6200 Uptown Blvd. N.E., Suite 400 Box 27019 Albuquerque, New Mexico 87125 505/881-3050

November 2, 1989

Pacific Mining, Inc. Fe is undergoing organizational changes that will focus exploration activity around our land base in northern Nevada. As a result, a number of mature exploration projects are available for sale, lease or preferably joint venture. Many of the projects have discoveries with some short term production potential. follows are executive summaries on properties which furthest along. Others which are not summarized herein are in the very grassroots stage with the exception of industrial mineral properties which are in the delineation and marketing phase. These include ceramic grade feldspar, clay and limestone. Large blocks of grant land minerals will also be available for lease in southern and northern California and Arizona. A 150,000 acre parcel of fee surface and minerals is for sale in the Hualapai mountain area of Mohave County, southeast of Kingman, Arizona.

Confidentiality agreements are enclosed for the six properties described should you wish to examine any of these in detail. Please note the Gunnison Gold Belt and Hahn's Peak has some area of interest which are shown on attached maps. Negotiations concerning sale, lease or joint venture will be coordinated through Dale Trubey - Director of Land or Ken Sageser - Vice President Exploration in Albuquerque. Fred Jenkins should be contacted to set up appointments for data review, field visits or further discussion regarding the technical aspects of the projects.

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* NO.49(MARCH 11, 1991) * GEORGE CROSS NEWS LETTER LTD. * FORTY-FOURTH YEAR OF PUBLICATION *

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See 6 & 7, T 21 N, R 2000

Kathein Wist

Mohow Co AZ

See 98 Worthington Report of Aus 6, 1996.



Exploration Department
Southwestern United States Division

April 6, 1992

Mr. Mel Herzog Senior Vice President U.S. Power Systems, Inc. P.O. Box 4996 Scottsdale, Arizona 85261-4996

Dear Mr. Herzog:

Thank you for the tape and report of your process. I am returning the tape with this letter. We have reviewed your report and tape with our metallurgical department and have decided at this time not to participate in your projects. We would, however, like to keep your report in our files.

Good luck in your endeavors and thank you for allowing Asarco to review this data. If possible, I would like to be kept apprised of your progress on Aquarius XXV, especially with regard to any further geologic information collected.

Respectfully,

Mark A. Miller

MAM:mek Enc.

cc: J.D. Sell

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JUN 2 1992

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WESTERN CANADIAN INVESTMENTS

FOR THE RECORD

ANALYSIS REPORT



RENO: 1500 Glendale Ave, SPARKS 89431 P.O. Box 71060, RENO 89570

Ph (702)356 0606 Fax 3561413

ASARCO, INC.

REPORT : SP 017864 1 Page(s) Date : 07/15/92

Client reference: MNZ-1/7

Project : MNZ

Cost code

:

Copies to

: MARK MILLER (I)

J.D. SELL (R)

Samples

: Tvp

Preparation code

Received: 07/08/92

Analysis	Code	Quality Parameter	Detection	Units
Au	FA30	Acc. 15 %	5	ppb
Au(R)	FA30	Acc. 15 %	5	ppb
Ag	D210	Prec.10 %	0.5	ppm
As	D210	Prec.10 %	2	ppm
 Sb	D210	Prec.10 %	1	ppm

ASARCO Incorporated

JUL 2 0 1992

SW Exploration

Signatory ... Jo

lorge Ugarte

ANALYSIS REPORT



REPORT : SP 017864

Page 1 of 1

Sampl a	Au BBB	Au(R) BBB	Ag BBM	As: BBM	Sb. BBM	
MNZ-1	278		<0.5	25	2	
MNZ-2	<5		<0.5	66	<1	
MNZ-3	142	152	<0.5	230	4	
MNZ-4	800		<0.5	114	2	
 MNZ-5	573		<0.5	257	2	
MNZ-6	365					
MNZ-7	1036	1109				

Please refer to the cover sheet for further analysis details.

SE 11854

1500 GLENDALE AVE. SPARKS NEVADA 89431 TELEPHONE (702) 356 0606

FACSIMILE (702) 356 1413

ELEMENT SAMPLES	Ag DDM	11	Construction of the Constr	200 200 200	Control of the Control	Bi ppm			Cu ppm	. Fe	Eig ppa		La ppm	Ng *				Ni	P. guist			Sr ppm			V mag			Zn ppm	
HNZ-6 HNZ-7	0.1 0.1	2.97 1 0.6 5		11 13	24 9	2 2	0.2	 	110 488	15.9 20.4	6 2	0.11 0.02	6 4	1.07 0.08	2352 1016	1	0.01 0.01	30 12	0.105 0.153	9 3	2 2	56 169	2 2	0.01 0.01	5 5	71 78	1	129 62	

ASAR ...

JUL 2 0 1992

SW Expirization

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0.500 GRAMS OF PULP IS DIGESTED WITH HYDROCHLORIC AND NITRIC ACID AT 95 DEGREE CENTIGRADE FOR ONE HOUR.

DIGEST IS PARTIAL FOR B Ba Ca Cr Fe La Mg Mn Sr Ti AND W DIGEST IS LIMITED FOR AL K AND Na

American Assay Laboratories



INVOICE

Remit To: P.O. Box 71060

Reno, NV 89570

Phone No.: 702-356-0606 Fax No.: 702-356-1413

AMERICAN ASSAY LABORATORIES P. O. BOX 71060 RENO, NV 89570

(702) 356-0606

INVOICE TO: ASARCO, INC. P. O. BOX 5747 TUCSON

AZ 85703

ASARCO, INC. P. O. BOX 5747 TUCSON

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CUSTOMER	P.O. PROJECT TO NI	eriús ET -30 ≥c	
QUANTITY	DESCRIPTION	PRICE	AMOUNT
7	SAMPLES RECEIVED	.00	.00
7	JAW CRUSHING CHARGE	1.20	8.40
7	SPLITTING CHARGE	.50	3.50
7	KEEGOR MILLING CHARGE	2.00	14.00
7	Au (1 A.T. FIRE ASSAY)	7.25	50.75
5	HYDROCHLORIC/NITRIC DIGESTION	2.00	10.00
5	AgAsSb ANALYSES	5.20	26.00
2	MULTI-ELEMENT ICP PACKAGE	6.20	12.40

Signed in

APPROVED FOR PAYMENT

(Signature)

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ANALYSIS REPORT



RENO: 1500 Glendale Ave, SPARKS 89431 89570

P.O. Box 71060, RENO Ph (702)356 0606 Fax 3561413

ASARCO, INC.

REPORT

: SP 012841

1 Page(s)

Date: 08/07/91

Client reference: BS-1/OM-5

Project: RECON MOHAVE

Cost code

Copies to

: MARK MILLER (I+R)

J.D. SELL (R)

Samples |

Type

Preparation code

Received: 07/30/91

Analysis	Code	Quality Parameter	Detection	Units
Au	FA30	Acc. 15 %	5	ppb
Au(R)	FA30	Acc. 15 %	5	ppb

ASARCO Incorporate!

AUG 1 2 1991

SW Exploration

Signstary Jorge Ugarte

ANALYSIS REPORT



REPORT : SP 012841

Page 1 of 1

	Au	Au(R)	
Sample	ppb	ppb	
BS-1	9		
BS-2	7		
BS-3	113		
BS-4	12		
BS-5	<5		
BS-6	53		
BS-7-50	7		
BS-7-100	< 5		
BS-7-150	9	12	
BS-7-200	<5		
BS-7-250	244	241	
BS-7-300	5		
BS-8	< 5		
BS-9	198		
BS-10	37		
BS-11	14		
BS-12	1593	1550	
BS-13	18		
BS-14	3618	3257	
OM-1	23		
OM-2	10		
OM-3	5		
OM-4	<5		
OM-5	22		



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Remit To: P.O. Box 71060

Reno, NV 89570

Phone No.: 702-356-0606 Fax No.: 702-356-1413

AMERICAN ASSAY LABORATORIES P. O. BOX 71060 RENO, NV 89570

INVOICE NO: SP INVOICE DATE: 0012841-IN 08/07/91

(702) 356-0606

INVOICE TO: ASARCO, INC. P. O. BOX 5747 TUCSON

AZ 85703

ASARCO, INC. P. O. BOX 5747

TUCSON

AZ 85703

CUSTOMER P.O.

PROJECT RECON MOHAVE

TERMS NET 30

QUANTITY	DESCRIPTION	PRICE	AMOUNT
24	SAMPLES RECEIVED	.00	.00
24	DRYING	.80	19.20
24	JAW CRUSHING CHARGE	1.20	28.80
24	SPLITTING CHARGE	.50	12.00
24	KEEGOR MILLING CHARGE	2.00	48.00
24	Au (1 A.T. FIRE ASSAY)	7.25	174.00

ASARCO Incurpriate

AUG 1 2 1991

Bys (Signature)

SM Expidianon

NET INVOICE: LESS DISCOUNT: 282.00

FREIGHT:

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INVOICE TOTAL:

282.00

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Please refer to the cover sheet for further analysis details.

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BS-7-50

BS-7-100

BS-7-150

BS-7-200

BS-7-250

BS-7-300

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BS-10

BS-11

BS-12

BS-13

BS-14

OM-1

OM-2

OM-3

0M-4

OM--5

AUG-02-1991 10:57 FROM AMER.ASSAY LABS-RENO P.01 ΤO 16027923934 PRELIMINARY REPORT RENO: 1500 Glendale Ave, \$PARKS 89431 P.O. Box 71060, RENO | 89570 Ph (702)356 0606 Fax \$561413 ASARCO, INC. : SP 012841 1 Page(s) Date : 08/02/91 REPORT Client reference : BS-1/OM-5 Project : RECON MOHAVE Cost code Copies to : MARK MILLER (I+R) J.D. SELL (R) Samples Туре Preparation code Received: 07/30/91 Analysis Code Quality Parameter Detection Units Au FA30 Acc. 15 % aga Au(R) FA30 Acc. 15 % 5 баа Comments : DTF-DATA TO FOLLOW Signatory : Jorge Ugarte

TO



	Sparks Office 1500 Glendale Ave. Nevada 89431
A FACSIMILE COMMUNICATION	Box 71060 Rend, NV, 89570
ro: Asarco	Telephone (702) 356-0606 Fax
FROM: American Assay Labs	(702 356-1413
SUBJECT: DTF RESULTS	2320 Last Chance Rd. Nevada 89801 Box 2908
AAL JOB CODE: SPOO 12841	Elko NV. 89801 Teleshone (702) 738-9100
CLIENT REFERENCE MAKMININ / 9.D. Sell	Fax (702) 738-2594
SAMPLE NUMBER AU AU(R)	
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BS-12 1593 1550	
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