Schlumberger

CEMENT EVALUATION LOG
GAMMA RAY

COUNTY	COLUMBIA
FIELD	MIST
LOCATION	832.6'S & 1756.2'W FROM
WELL	SOCKEYE C.C. #31-15-65 RD#1
COMPANY	NAHAMA AND WEAGANT ENERGY CO.

COMPANY NAHAMA AND WEAGANT ENERGY CO.

WELL SOCKEYE C.C. #31-15-65 RD#1

FIELD MIST

COUNTY COLUMBIA **STATE** OREGON

LOCATION 832.6'S & 1756.2'W FROM THE NE CORNER OF

API SERIAL NO.	SECT.	TWP.	RANGE
36-009-00294	15	6N	5W

Other Services:
CBL-GR
CET-GR
TDT-P
THANK YOU

Permanent Datum	GL	Elev.	723.2 F	Elev.: K.B.734.2 F
Log Measured From	KB	11.0 F	above Perm. Datum	D.F.
Drilling Measured From	KB			G.L.723.2 F

Date	17-NOV-1992		
Run No.	ONE		
Depth Driller	2546.0 F		
Depth Logger (Schl.)	2388.0 F		
Btm. Log Interval	2382.0 F		
Top Log Interval	1382.0 F		
Type Fluid in Hole	WATER		
Salinity NaCl			
Density			
Fluid Level			
Max. Rec. Temp.			
Deviation			
Logger on Bottom	11:30 17-NOV-92		
Equip. | Location	8504	SACRAMENTO	
Recorded By	JOHN LOPEZ/SCOTT PILCH		
Witnessed By	TODD THOMAS/CLAYTON ROTH		

BOREHOLE RECORD

Bit Size	7.875		
Depth	2546.0 F		

CASING & TUBING RECORD

Size	4.5		
Weight	10.5000 LB/F		
Casing Top-Driller			
Casing Top-Logger			
Casing Shoe-Driller	2500.0 F		
Casing-Logger	2388.0 F		

The well name, location and borehole reference data were furnished by the customer.

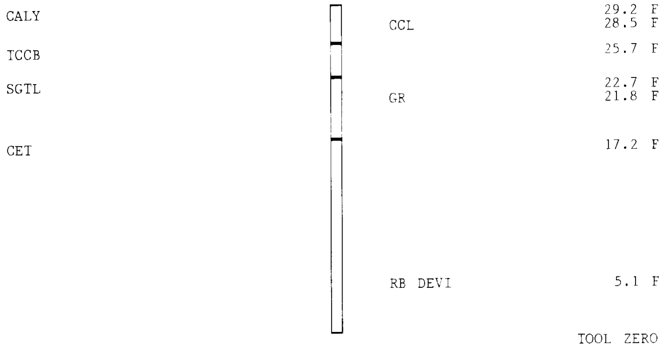
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Run No.	ONE
Service Order No.	454481
Logging Speed	3600.0 F/HR
EQUIPMENT DATA	
Tool Number 1	CEEC-A
Tool Number 2	CEES-A
Tool Number 3	SGC-SA
Tool Number 4	TCC-B
Tool Number 5	CAL-YA
Tool Number 6	TCM-AB
Tool Number 7	
Tool Number 8	
Tool Number 9	
Tool Number 10	
Tool Number 11	
Tool Number 12	

REMARKS:

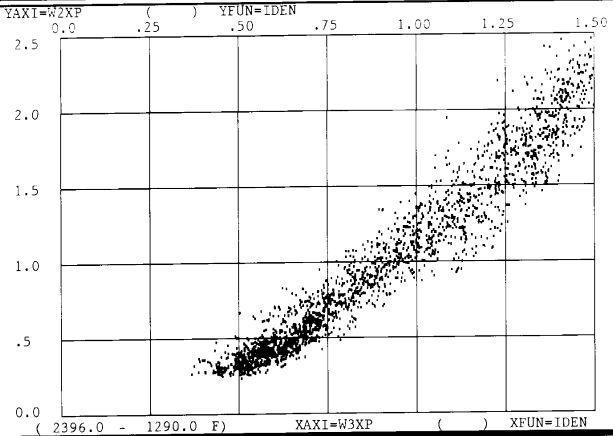
CET TIED INTO SWS DIL-BHC 8-NOV-92
THANK YOU FOR CHOOSING SCHLUMBERGER
YOUR CREW TODAY IS SCOTT PILCH JOHN LOPEZ STEVE SALVATO
CET NORMALIZED IN FREE PIPE AT 600'

LOGGING TOOL STRING SKETCH



TOTAL TOOL STRING LENGTH IS 29.2 F.
TOTAL TOOL STRING WEIGHT IS 502. LB IN AIR.

MAIN LOG



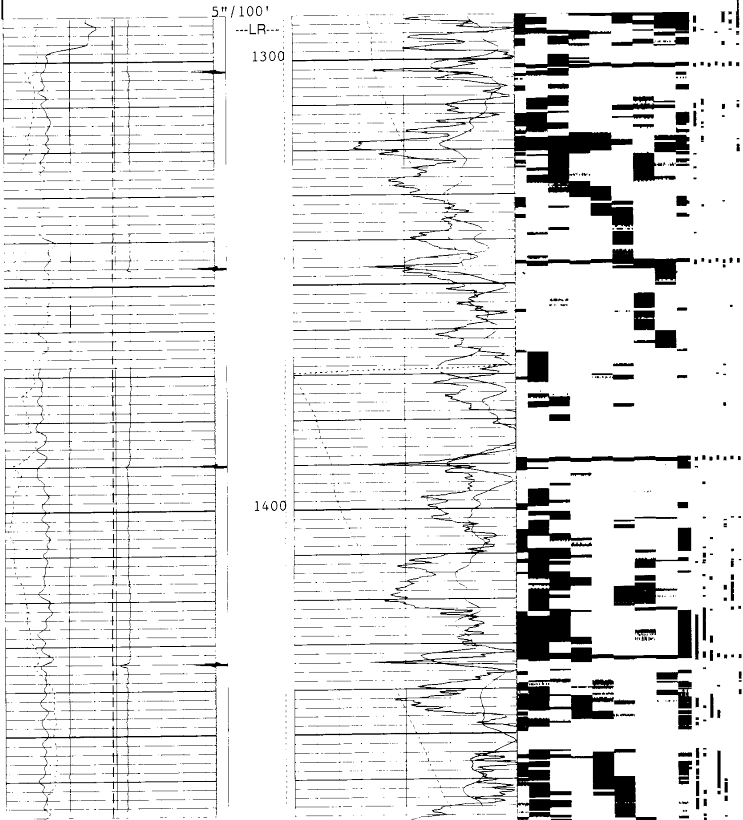
TENS(LBF)
10000. 0.0
DEV(DEG)

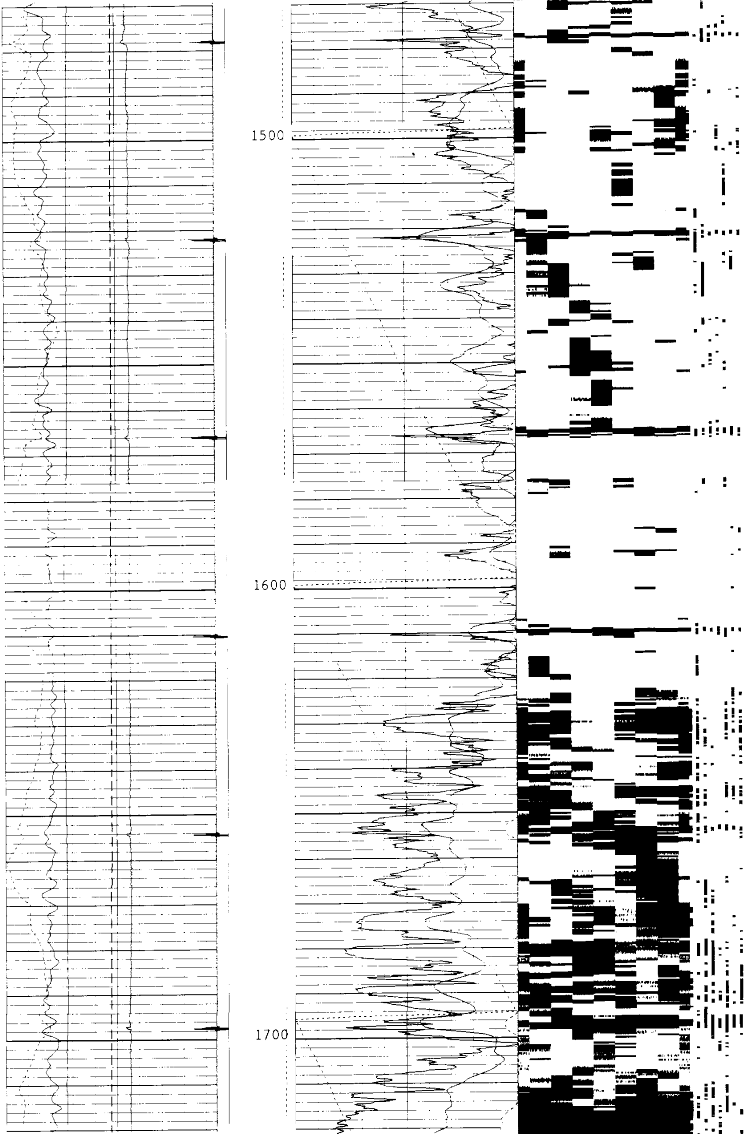
-4 000 36 000
CCL
-19.00 1 0000
FVEL(US/F)
150 00 250 00
ECCE(IN)
0.0 .50000
CALU(IN)
3 5000 4 5000
GR(GAPI)
0 0 150 00

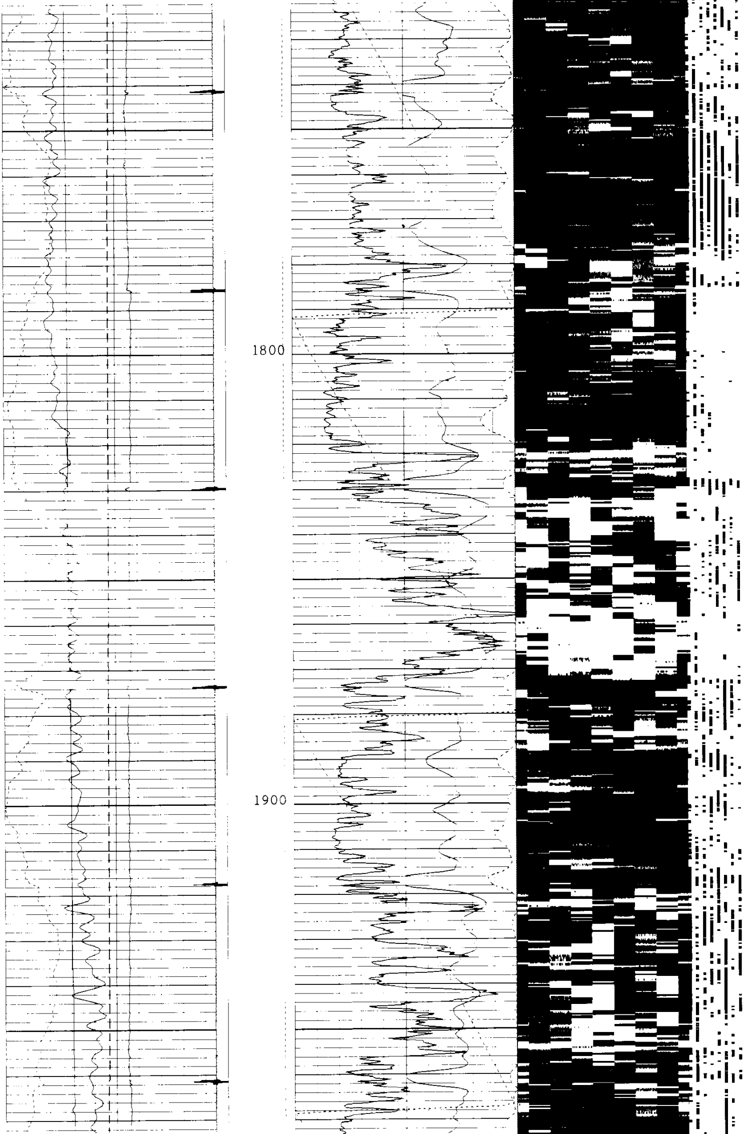
CSMX
5000 0 0.0
CSMN
5000 0 0 0
WWV
0 0 2 0000
RB(DEG)
0 0 360 00

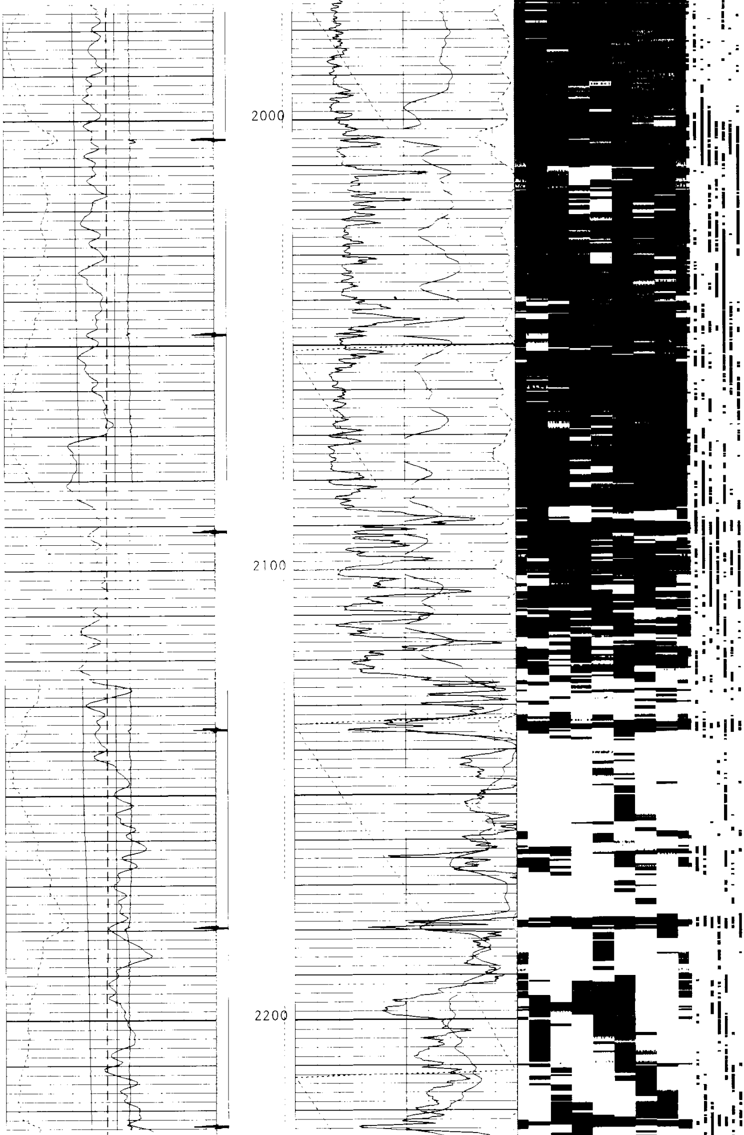
CSMN -- Z3 DUM5 -- DUM6

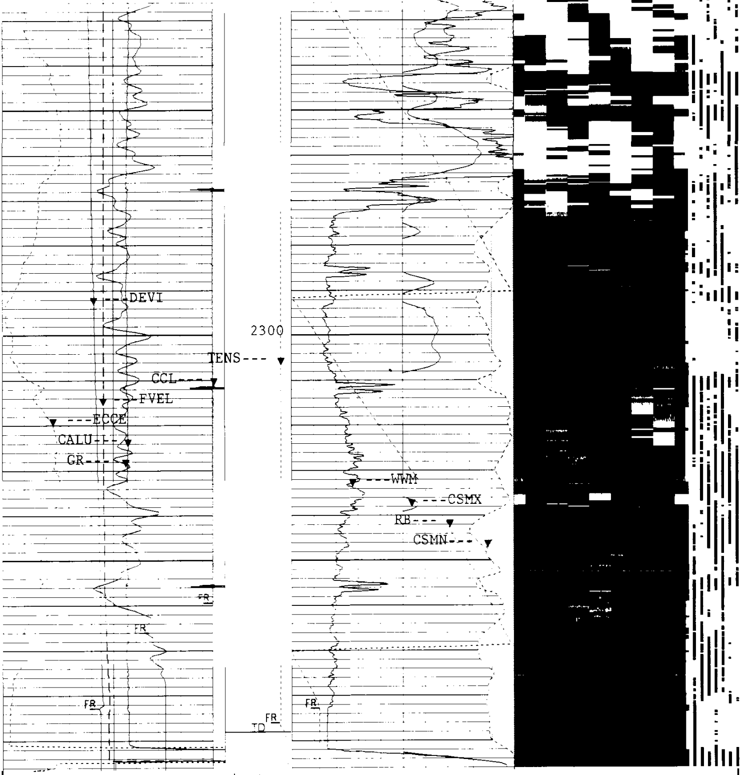
CP 32.6 FILE 6 17-NOV-1992 11:53 (UP)











5"/100'

CP 32.6 FILE 6 17-NOV-1992 11:32 (UP)

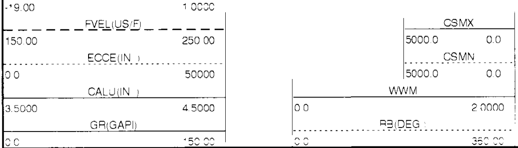
MAIN LOG

		CSMN -- Z3	DUM5 -- DUM6

TENS LBF
10000 0.0

DEV DEG
-4.000 36.000

CCL



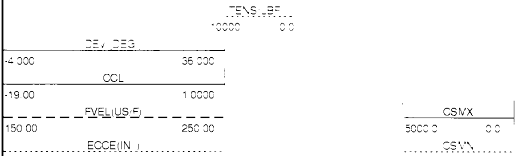
SENSOR MEASURE POINT TO TOOL ZERO

DTT	1.9	FEET	SGTL	21.8	FEET
CET	6.0	FEET	CALY	28.5	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PADI	.500000	DEG	WMUD	8.00000	LB/G
AGMX	49.0000	DB	WEGA	0.0	DB
W3FP	.980000		IS2	14.4000	US
IL2	14.4000	US	TR9R	1.70400	IN
DOT	.925000	IN	W2FP	.610000	
CDIA	41/2	IN	CSID	4.00000	IN
CSW	10.5	LB/F	CETS	SA	
CEEC	A		MCSF	1000.00	
IMAR	DISA		IMAL	2.50000	
IMAU	3.20000		ECCF	.100000	IN
CSAV	N		IMAO	I	
IMAF	N		W2GS	1.30000	
WFVS	6		CMUD	8.60000	LB/G
TR9O	0.0	IN	CSCO	3800.00	
CSCG	1520.00		CMTY	N	
ROT1	0.0	IN	ROT2	0.0	IN
ROT3	0.0	IN	ROT4	0.0	IN
ROT5	0.0	IN	ROT6	0.0	IN
ROT7	0.0	IN	ROT8	0.0	IN
LAO9	-65.0000	DB	W2C9	1.00000	
W3C9	1.00000		NCJT	GSRY	
FCD	4.50000	IN	BS	7.87500	IN
BHS	CASE				

REPEAT SECTION



0.0	50000	5000.0	0.0
CALU(IN)		WWW	
3.5000	4.5000	0.0	2.0000
GR(GAPI)		RB DEG	
0.0	150.00	0.0	360.00

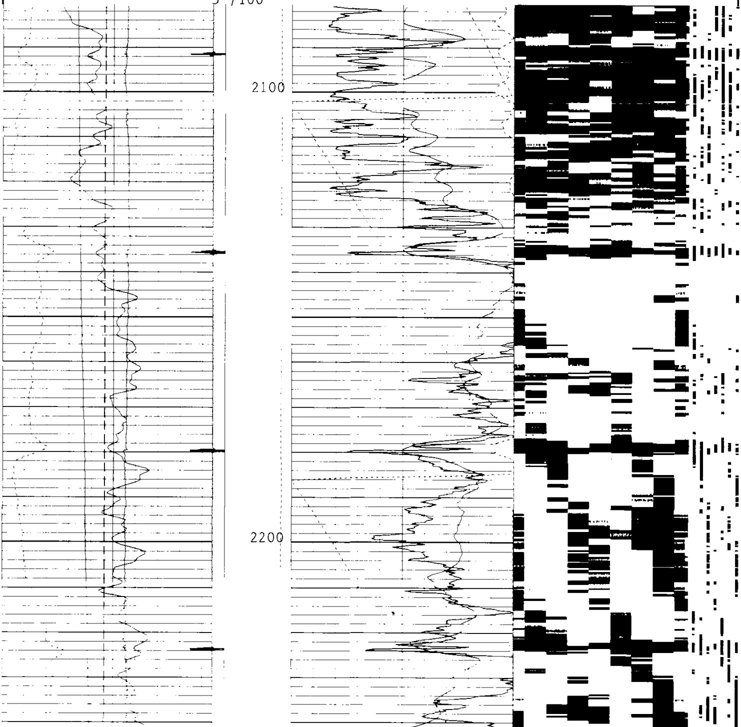
CSMN -- Z3

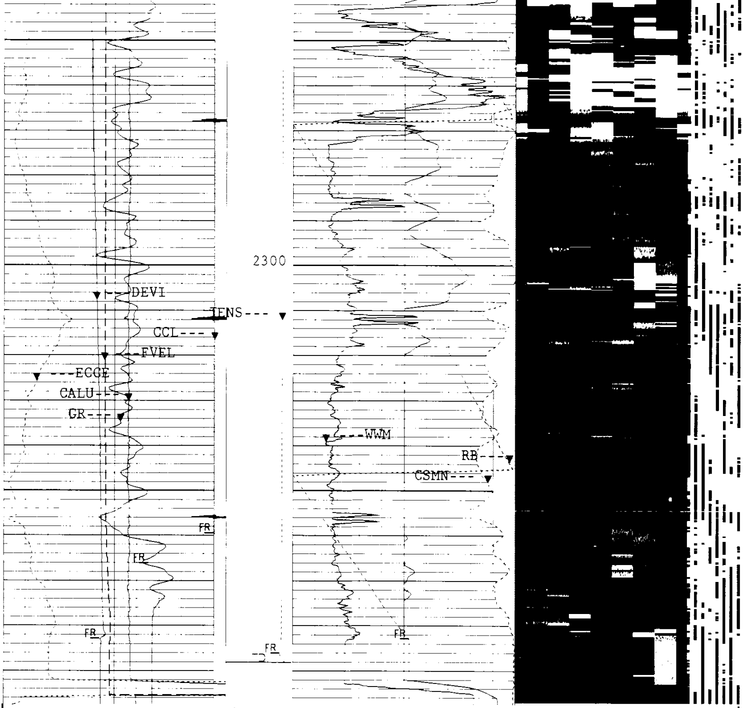
DUM5 -- DUM6

REPEAT SECTION

CP 32.6 FILE 5 17-NOV-1992 11:31 (UP)

5"/100'





5"/100'

CP 32.6 FILE 5 17-NOV-1992 11:24 (UP)

REPEAT SECTION

CSMN -- Z3

DUM5 -- DUM6

TENS(LBF)
10000. 0.0

DEVI(DEG)
-4.000 36.000

CCL
-19.00 1.0000

FVEL(US/F)
150.00 250.00

ECCE(IN)
0.0 5.0000

CALU(IN)
3.5000 4.5000

GR(GAPI)
0.0 150.00

CSMX
5000.0 0.0

CSMN
5000.0 0.0

WWM
0.0 2.0000

RB(DEG)
0.0 360.00

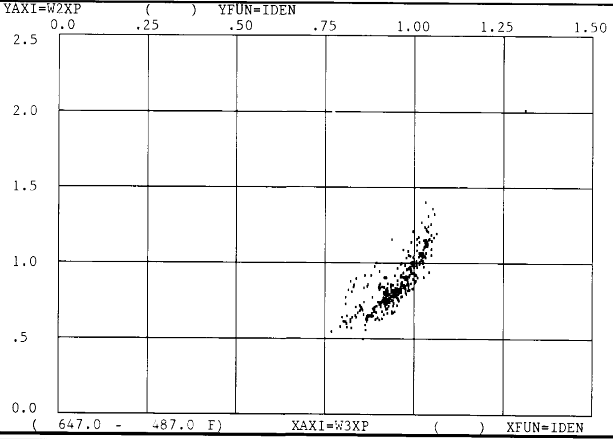
SENSOR MEASURE POINT TO TOOL ZERO

DTT	1.9	FEET	SGTL	21.8	FEET
CET	6.0	FEET	CALY	28.5	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PADT	.500000	DEG	WMUD	8.00000	LB/G
AGMX	49.0000	DB	WEGA	0.0	DB
W3FP	.980000		IS2	14.4000	US
IL2	14.4000	US	TR9R	1.70400	IN
DOT	.925000	IN	W2FP	.610000	
CDIA	41/2	IN	CSID	4.00000	IN
CSW	10.5	LB/F	CETS	SA	
CEEC	A		MCSF	1000.00	
IMAR	DISA		IMAL	2.50000	
IMAU	3.20000		ECCF	.100000	IN
CSAV	N		IMAO	I	
IMAF	N		W2GS	1.30000	
WFVS	6		CMUD	8.60000	LB/G
TR90	0.0	IN	CSCO	3800.00	
CSCG	1520.00		CMTY	N	
ROT1	0.0	IN	ROT2	0.0	IN
ROT3	0.0	IN	ROT4	0.0	IN
ROT5	0.0	IN	ROT6	0.0	IN
ROT7	0.0	IN	ROT8	0.0	IN
LAO9	-65.0000	DB	W2C9	1.00000	
W3C9	1.00000		NCJT	GSRY	
FCD	4.50000	IN	BS	7.87500	IN
BHS	CASE				

NORMALIZING PLOTS

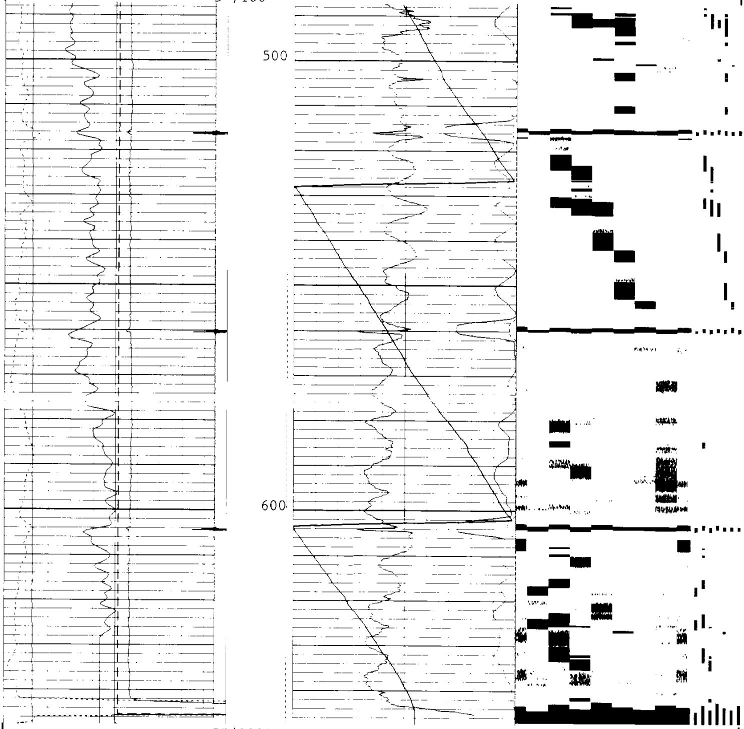


NORMALIZING PASS

CSVN -- Z3 DUM5 -- DUM5

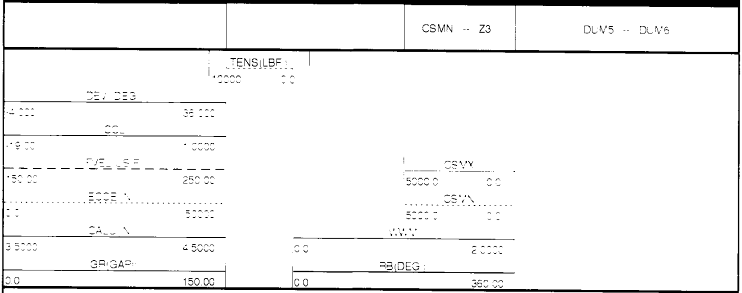
CP 32.6 FILE 3 17-NOV-1992 11:14 (UP)

5"/100'



5"/100'

CP 32.6 FILE 3 17-NOV-1992 11:11 (UP)

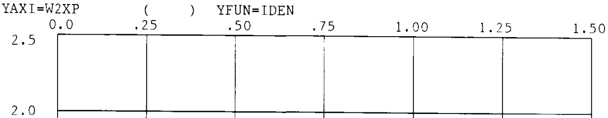


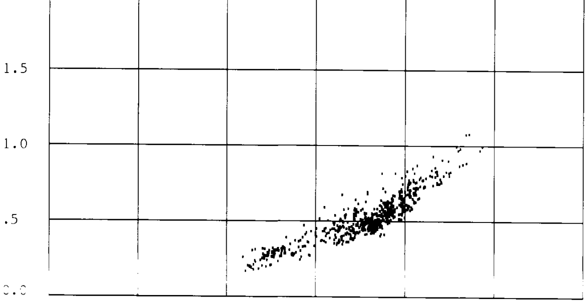
SENSOR MEASURE POINT TO TOOL ZERO

DTT 1.9 FEET
CET 6.0 FEET
SGTL 21.8 FEET
CALY 28.5 FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PADT	.500000	DEG	WMUD	8.00000	LB/G
AGMX	49.0000	DB	WEGA	0.0	DB
W3FP	.980000		IS2	14.4000	US
IL2	14.4000	US	TR9R	1.70400	IN
DOT	.925000	IN	W2FP	.610000	
CDIA	41/2	IN	CSID	4.00000	IN
CSW	10.5	LB/F	CETS	SA	
CEEC	A		MCSF	1000.00	
IMAR	DISA		IMAL	2.50000	
IMAU	3.20000		ECCF	.100000	IN
CSAV	N		IMAO	I	
IMAF	N		W2GS	1.30000	
WFVS	6		CMUD	8.60000	LB/G
TR9O	0.0	IN	CSCO	3800.00	
CSCG	1520.00		CMTY	N	
ROT1	0.0	IN	ROT2	0.0	IN
ROT3	0.0	IN	ROT4	0.0	IN
ROT5	0.0	IN	ROT6	0.0	IN
ROT7	0.0	IN	ROT8	0.0	IN
LAO9	-65.0000	DB	W2C9	1.00000	
W3C9	1.00000		NCJT	GSRY	
FCD	4.50000	IN	BS	7.87500	IN
BHS	CASE				



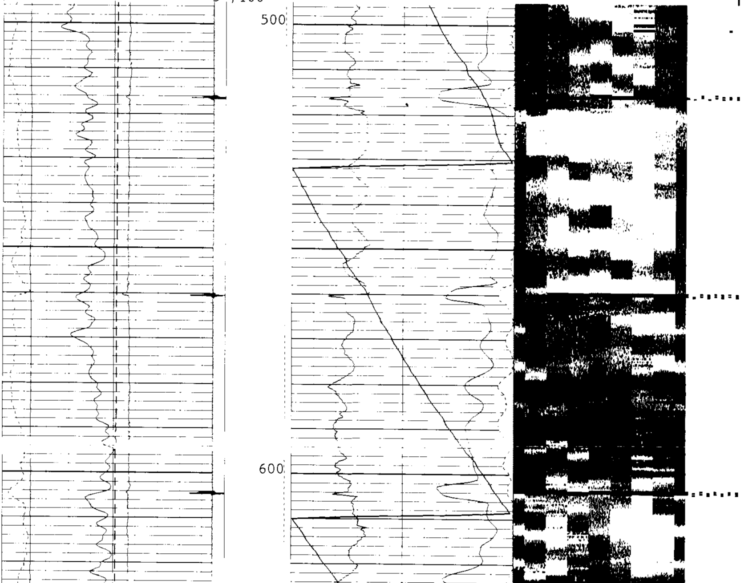


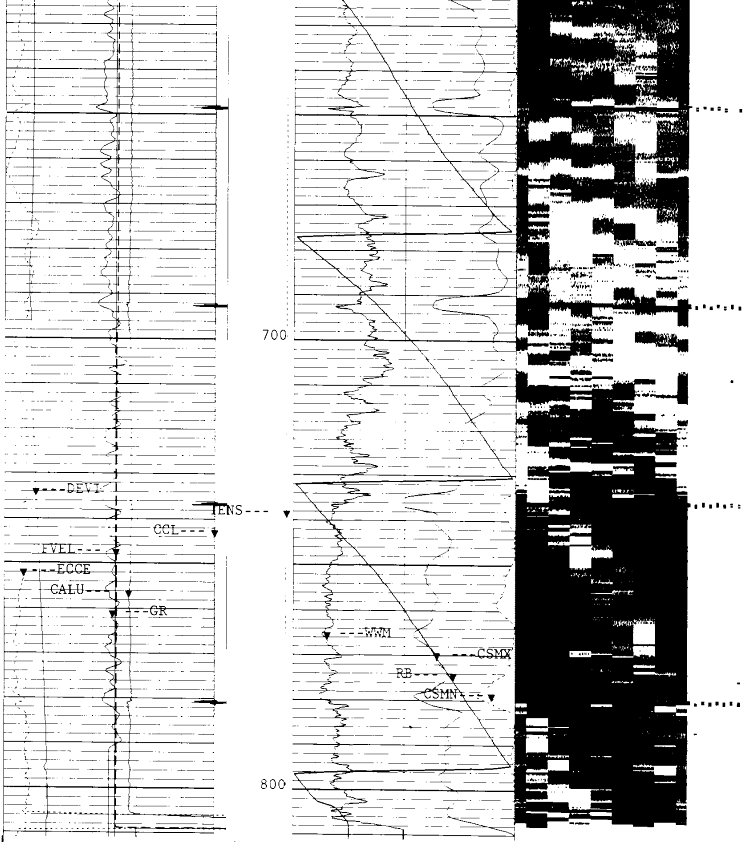
(810.5 - 495.0 F) XAXI=W3XP ( ) XFUN=IDEN

CSMN - Z3 DUM5 DUM6

CP 32.6 FILE 2 17-NOV-1992 11:07 (UP)

5"/100'





5"/100'

CP 32.6 FILE 2 17-NOV-1992 11:01 (UP)

		CSMN -- Z3	DUM5 -- DUM6

TENS(LBF)

DEV (DEG)		
-4.000		36.000
CCL		
-19.00		1.0000
FVEL(US/F)		
150.00		250.00
ECCE(IN)		
0.0		50000
CALU(IN)		
3.5000		4.5000
GR(GAPI)		
0.0		150.00

CSMX		
5000.0		0.0
CSMN		
5000.0		0.0
WMV		
0.0		2.0000
RB DEG		
0.0		360.00

SENSOR MEASURE POINT TO TOOL ZERO

DTT 1.9 FEET
CET 6.0 FEET
SGTL 21.8 FEET
CALY 28.5 FEET

PARAMETERS

NAME	VALUE	UNIT
PADT	.500000	DEG
AGMX	49.0000	DB
W3FP	1.00000	
IL2	14.4000	US
DOT	.925000	IN
CDIA	41/2	IN
CSW	11.6	LB/F
CEEC	A	
IMAR	DISA	
IMAU	3.20000	
CSAV	N	
IMAF	N	
WFVS	6	
TR90	0.0	IN
CSCG	1520.00	
ROT1	0.0	IN
ROT3	0.0	IN
ROT5	0.0	IN
ROT7	0.0	IN
LAO9	-65.0000	DB
W3C9	1.00000	
FCD	4.50000	IN
BHS	CASE	

NAME	VALUE	UNIT
WMUD	8.00000	LB/G
WEGA	0.0	DB
IS2	14.4000	US
TR9R	1.70400	IN
W2FP	1.00000	
CSID	4.00000	IN
CETS	SA	
MCSF	1000.00	
IMAL	2.50000	
ECCF	.100000	IN
IMAO	I	
W2GS	1.30000	
CMUD	8.60000	LB/G
CSCO	3800.00	
CMTY	N	
ROT2	0.0	IN
ROT4	0.0	IN
ROT6	0.0	IN
ROT8	0.0	IN
W2C9	1.00000	
NCJT	GSRY	
BS	7.87500	IN

COMPANY	NAHAMA AND WEAGANT ENERGY CO.				
WELL	SOCKEYE C.C. #31-15-65 RD#1				
FIELD	MIST				
COUNTY	COLUMBIA	**STATE**	OREGON		

SCHL.	**FR**	**2382.0 F**
SCHL.	**TD**	**2388.0 F**
DRLR.	**TD**	**2546.0 F**
Elev:	**KB**	**734.2 F**
	DF	
	GL	**723.2 F**

Schlumberger

CEMENT EVALUATION LOG
GAMMA RAY