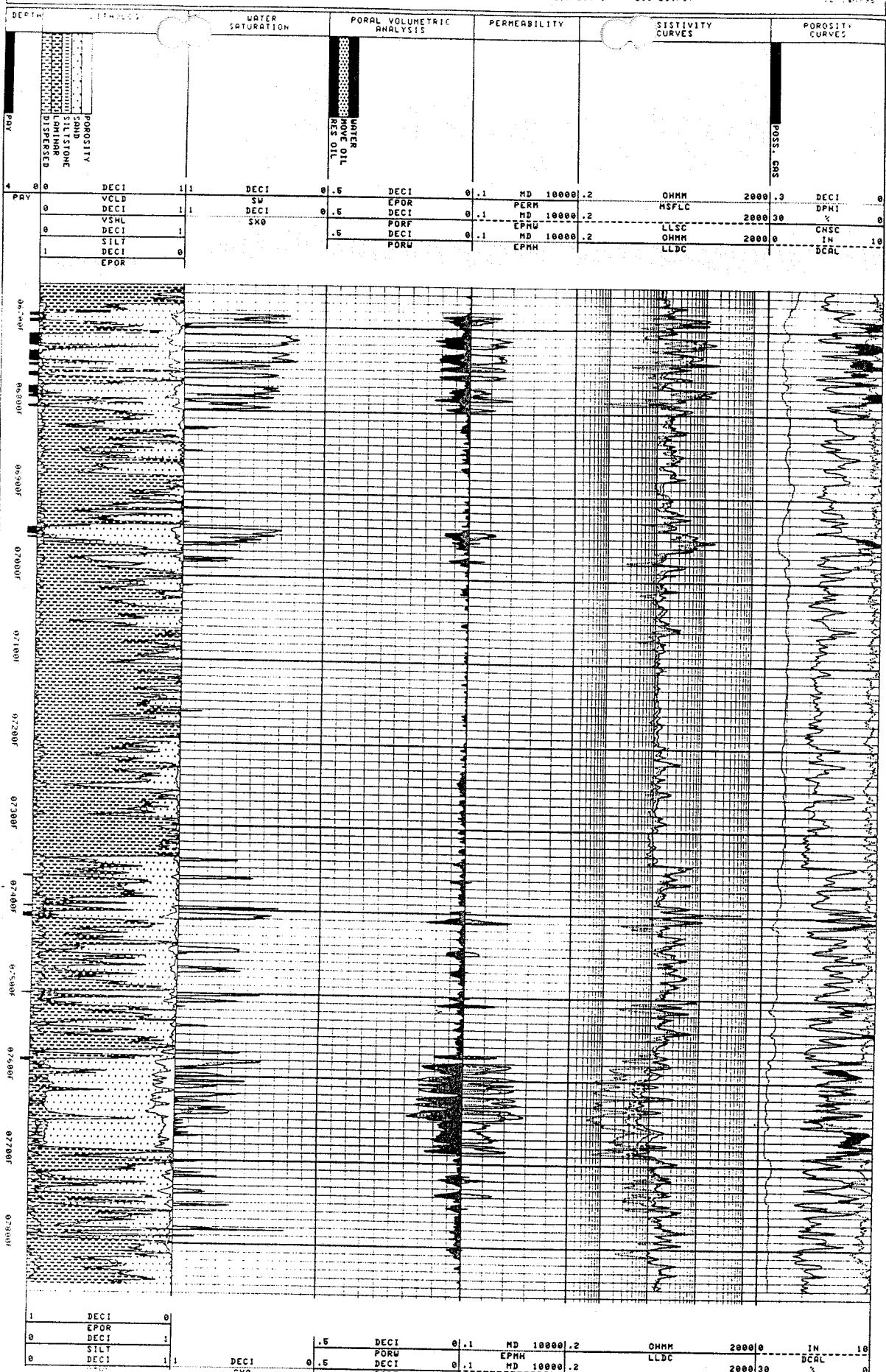


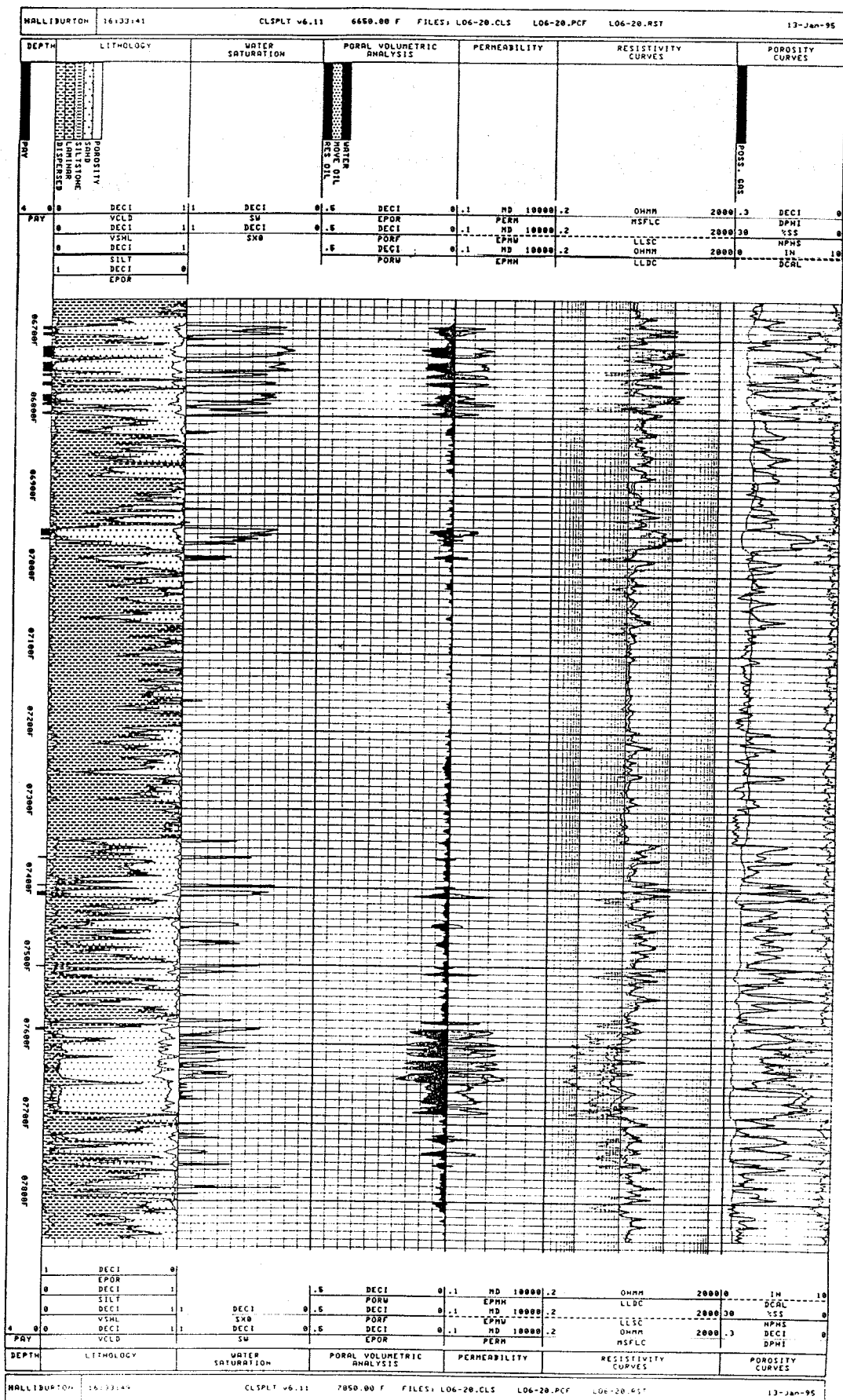
Sand - Shale Analysis

SASHA

Company : Petro Tech Peruana S.A.
Well : LO6-20
Formation: Basal Salina
Interval : 6650' - 7850'



Sand shale Analysis
6650' - 7850
Main section
with CNSC = connected NPHI in limestone



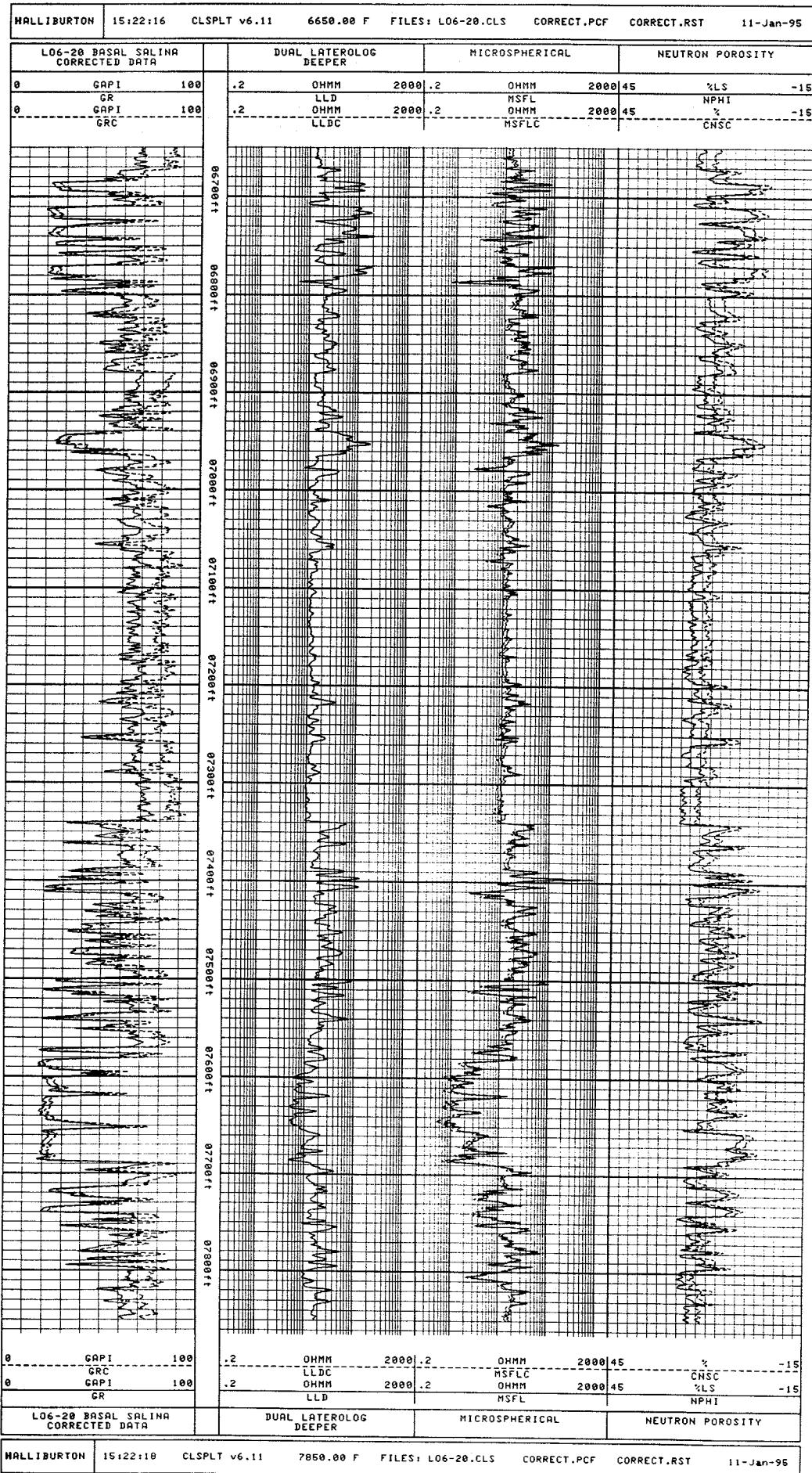
Sand Shale Analysis

6650' - 7850

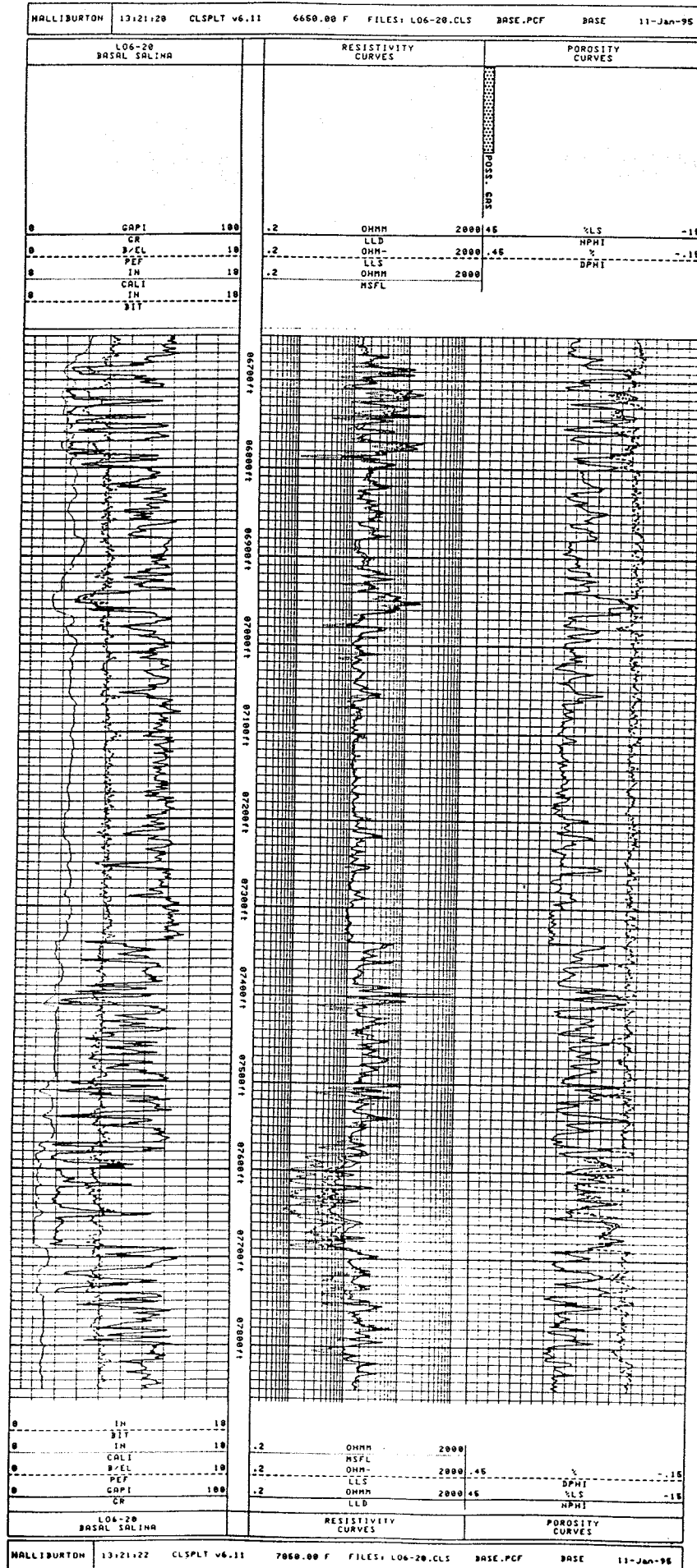
Main section

with NPHS = Neutron Porosity in sandstone

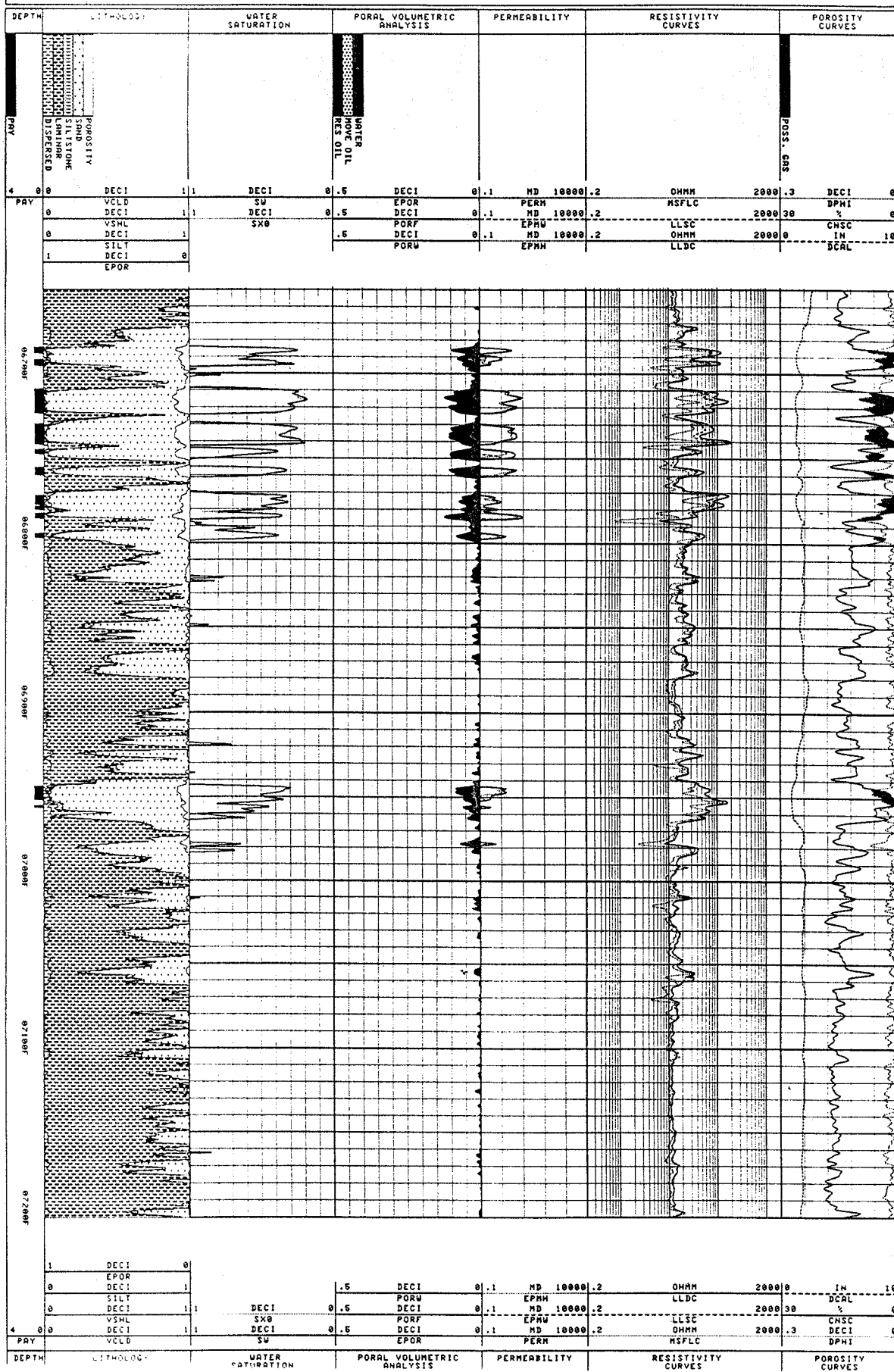
Corrected Open Hole Data 6650' - 7850' Main section



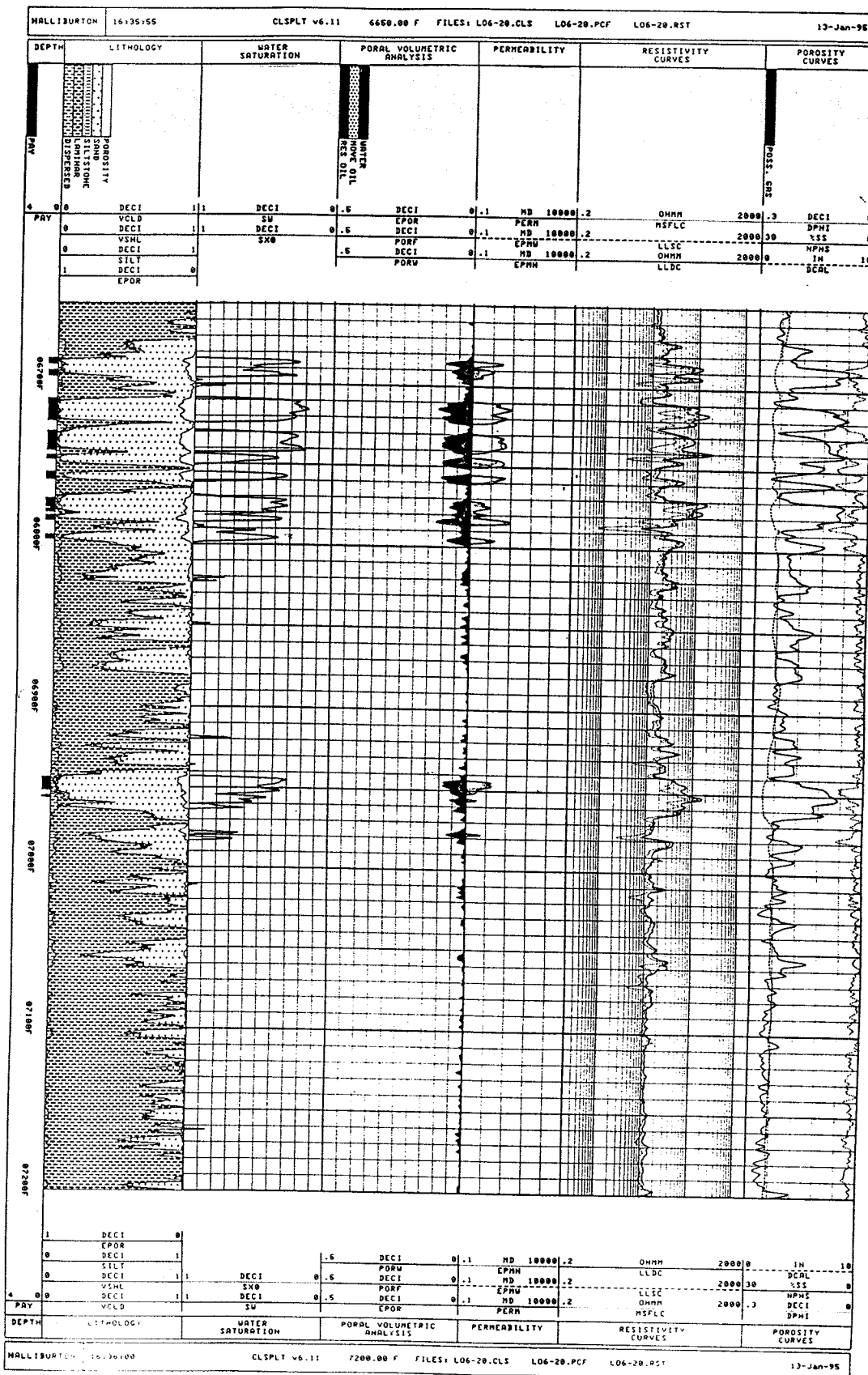
Open Hole Data 6650' - 7850' Main section



UPPER BASAL SALINA



Sand Shale Analysis
 Upper Basal Salina
 6650' - 7200'



Sand Shale Analysis
Upper Basal Salina
6650' - 7200'

SASHA ANALYSIS REPORT
 COMPANY : PETRO-TECH PERUANA S.A.
 WELL NAME : LOG-20
 FIELD NAME : LOBITOS FIELD
 COUNTRY :

THE FOLLOWING PARAMETERS WERE USED FROM 7200.00 TO 6650.00
 BIT SIZE 8.50 AGE FLAG 0
 STEIBER 1.00 CLAY TO SHALE RATIO 2.60
 WET SHALE DENSITY VALUE 2.64 DRY SHALE DENSITY VALUE 2.70
 WET SHALE NEUTRON VALUE 80.00 DRY SHALE NEUTRON VALUE 80.00
 WET SHALE ACOUSTIC VALUE 80.00 DRY SHALE ACOUSTIC VALUE 80.00
 TEMPERATURE GRADIENT 1.00 BOTTOM HOLE TEMPERATURE 137.0
 BOTTOM HOLE DEPTH 8146.0 WATER RESISTIVITY DEPTH 137.0
 WATER RESISTIVITY 1.00 MUD FILTRATE RESISTIVITY 1.00
 SHALE WATER RESISTIVITY 1.00 CEMENTATION EXPONENT M 1.71
 FORMATION FACTOR CONSTANT A 1.71
 WATER SATURATION EXPONENT N 1.71

FROM 7200.00 TO 6650.00 RW RMF POROSITY LIMIT WATER SAT. LIMIT
 .26 .05 .05 .50

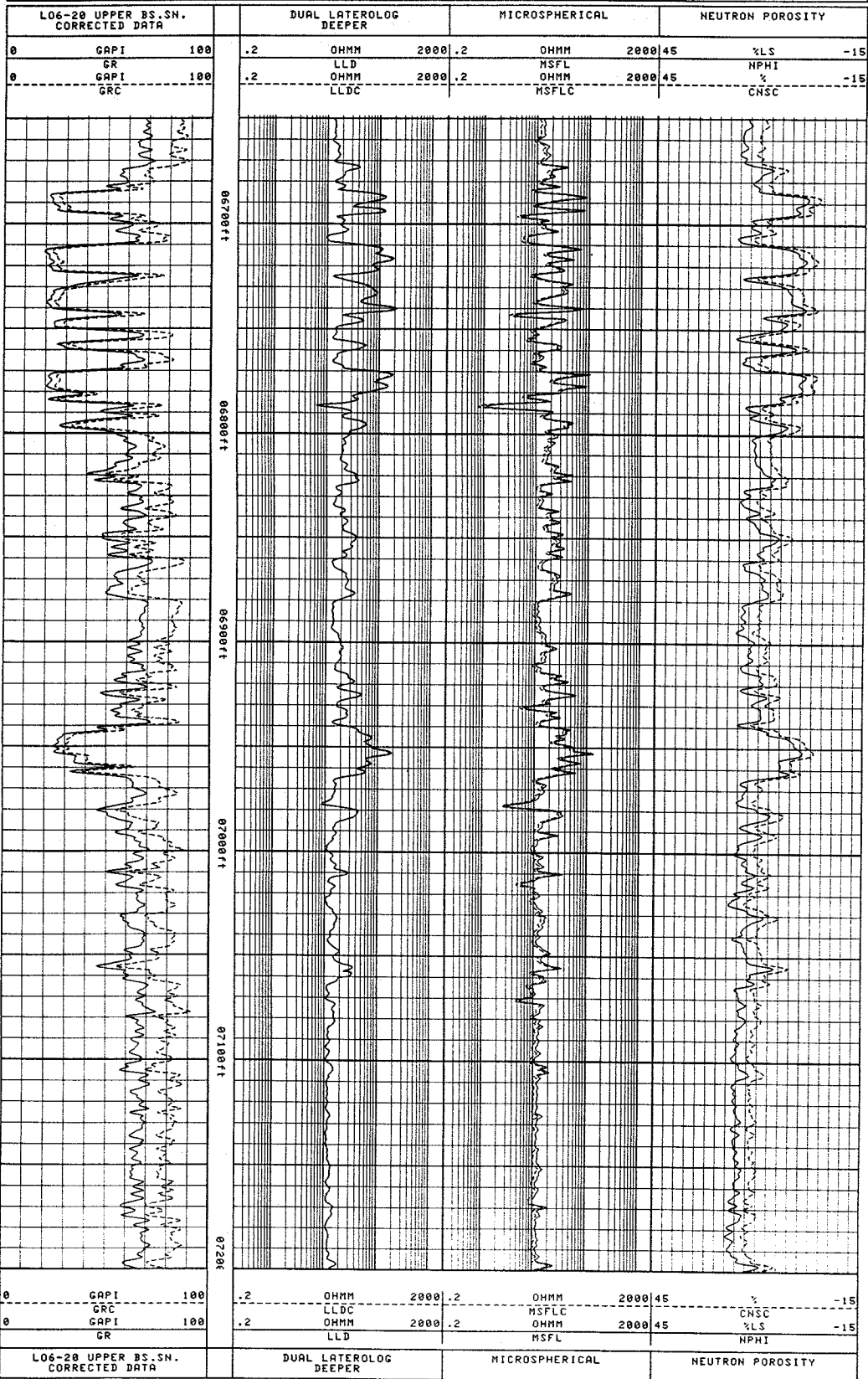
DEPTH	SHALE VOLUME	EFFECTIVE POROSITY	PERM	WATER SAT.	FLUSHED ZONE SATURATION	POROSITY FEET	HYDROCARBON FEET
6684.50	.18	.07	.47	.46	.51	.03	.02
6685.00	.07	.08	1.74	.27	.23	.08	.05
6685.50	.03	.10	3.04	.27	.23	.17	.08
6686.00	.01	.10	3.12	.25	.25	.17	.08
6686.50	.01	.09	1.88	.25	.26	.21	.15
6687.00	.03	.07	1.88	.25	.26	.21	.15
6687.50	.05	.05	.22	.43	.43	.17	.09
6688.00	.05	.07	.34	.49	.49	.31	.20
6688.50	.05	.06	.26	.40	.39	.34	.22
6689.00	.04	.06	.26	.38	.38	.39	.25
6689.50	.06	.06	.29	.27	.27	.42	.28
6690.00	.11	.06	.15	.46	.66	.48	.30
6690.50	.20	.06	.95	.29	.42	.50	.33
6691.00	.33	.05	2.11	.24	.24	.59	.36
6691.50	.17	.08	2.48	.24	.24	.63	.42
6692.00	.09	.09	1.97	.28	.28	.65	.46
6692.50	.04	.09	2.27	.27	.27	.77	.52
6693.00	.01	.09	2.27	.27	.27	.82	.56
6693.50	.00	.09	2.27	.27	.27	.82	.56
6694.00	.00	.12	3.01	.21	.21	.84	.61
6694.50	.01	.12	3.01	.21	.21	.84	.61
6695.00	.01	.11	3.01	.21	.21	.84	.61
6695.50	.01	.11	3.01	.21	.21	.84	.61
6696.00	.01	.11	3.01	.21	.21	.84	.61
6696.50	.01	.11	3.01	.21	.21	.84	.61
6697.00	.01	.11	3.01	.21	.21	.84	.61
6697.50	.01	.11	3.01	.21	.21	.84	.61
6698.00	.01	.11	3.01	.21	.21	.84	.61
6698.50	.01	.11	3.01	.21	.21	.84	.61
6699.00	.01	.11	3.01	.21	.21	.84	.61
6699.50	.01	.11	3.01	.21	.21	.84	.61
6700.00	.01	.11	3.01	.21	.21	.84	.61
6700.50	.01	.11	3.01	.21	.21	.84	.61
6701.00	.01	.11	3.01	.21	.21	.84	.61
6701.50	.01	.11	3.01	.21	.21	.84	.61
6702.00	.01	.11	3.01	.21	.21	.84	.61
6702.50	.01	.11	3.01	.21	.21	.84	.61
6703.00	.01	.11	3.01	.21	.21	.84	.61
6703.50	.01	.11	3.01	.21	.21	.84	.61
6704.00	.01	.11	3.01	.21	.21	.84	.61
6704.50	.01	.11	3.01	.21	.21	.84	.61
6705.00	.01	.11	3.01	.21	.21	.84	.61
6705.50	.01	.11	3.01	.21	.21	.84	.61
6706.00	.01	.11	3.01	.21	.21	.84	.61
6706.50	.01	.11	3.01	.21	.21	.84	.61
6707.00	.01	.11	3.01	.21	.21	.84	.61
6707.50	.01	.11	3.01	.21	.21	.84	.61
6708.00	.01	.11	3.01	.21	.21	.84	.61
6708.50	.01	.11	3.01	.21	.21	.84	.61
6709.00	.01	.11	3.01	.21	.21	.84	.61
6709.50	.01	.11	3.01	.21	.21	.84	.61
6710.00	.01	.11	3.01	.21	.21	.84	.61
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6711.00	.01	.11	3.01	.21	.21	.84	.61
6711.50	.01	.11	3.01	.21	.21	.84	.61
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6713.00	.01	.11	3.01	.21	.21	.84	.61
6713.50	.01	.11	3.01	.21	.21	.84	.61
6714.00	.01	.11	3.01	.21	.21	.84	.61
6714.50	.01	.11	3.01	.21	.21	.84	.61
6715.00	.01	.11	3.01	.21	.21	.84	.61
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6716.00	.01	.11	3.01	.21	.21	.84	.61
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6717.00	.01	.11	3.01	.21	.21	.84	.61
6717.50	.01	.11	3.01	.21	.21	.84	.61
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6718.50	.01	.11	3.01	.21	.21	.84	.61
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6720.50	.01	.11	3.01	.21	.21	.84	.61
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6721.50	.01	.11	3.01	.21	.21	.84	.61
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6722.50	.01	.11	3.01	.21	.21	.84	.61
6723.00	.01	.11	3.01	.21	.21	.84	.61
6723.50	.01	.11	3.01	.21	.21	.84	.61
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6724.50	.01	.11	3.01	.21	.21	.84	.61
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6726.50	.01	.11	3.01	.21	.21	.84	.61
6727.00	.01	.11	3.01	.21	.21	.84	.61
6727.50	.01	.11	3.01	.21	.21	.84	.61
6728.00	.01	.11	3.01	.21	.21	.84	.61
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6734.00	.01	.11	3.01	.21	.21	.84	.61
6734.50	.01	.11	3.01	.21	.21	.84	.61
6735.00	.01	.11	3.01	.21	.21	.84	.61
6735.50	.01	.11	3.01	.21	.21	.84	.61
6736.00	.01	.11	3.01	.21	.21	.84	.61
6736.50	.01	.11	3.01	.21	.21	.84	.61
6737.00	.01	.11	3.01	.21	.21	.84	.61
6737.50	.01	.11	3.01	.21	.21	.84	.61
6738.00	.01	.11	3.01	.21	.21	.84	.61

Sand Shale Analysis
 Report
 Upper Basal Salin
 6650' - 7200'

6738.50	.02	.09	2.38	.24	.25	2.63	1.85
6739.00	.02	.08	1.44	.22	.22	2.67	1.88
6739.50	.03	.07	1.00	.22	.22	2.74	1.93
6740.00	.03	.07	.83	.22	.22	2.74	1.93
6740.50	.07	.07	.57	.22	.22	2.78	1.97
6741.00	.15	.07	.48	.22	.22	2.81	1.99
6741.50	.26	.05	.17	.29	.29	2.83	2.03
6742.00	.08	.08	1.01	.45	.45	2.87	2.06
6742.50	.05	.09	1.01	.39	.39	2.92	2.09
6743.00	.04	.10	1.01	.39	.39	2.92	2.09
6743.50	.03	.10	3.77	.41	.41	3.01	2.12
6744.00	.03	.10	4.33	.45	.45	3.07	2.15
6744.50	.03	.10	1.18	.46	.46	3.11	2.17
6745.00	.11	.10	3.58	.36	.36	3.16	2.20
6745.50	.05	.11	5.12	.34	.34	3.24	2.24
6746.00	.04	.10	3.10	.33	.33	3.31	2.27
6746.50	.06	.10	2.33	.31	.31	3.35	2.30
6747.00	.07	.09	1.33	.41	.41	3.47	2.33
6747.50	.07	.09	1.33	.41	.41	3.47	2.33
6748.00	.13	.09	1.79	.46	.46	3.48	2.36
6748.50	.04	.06	.51	.33	.33	3.51	2.38
6749.00	.04	.06	.49	.36	.36	3.57	2.41
6749.50	.04	.06	.34	.44	.44	3.60	2.44
6750.00	.03	.07	1.76	.39	.39	3.67	2.48
6750.50	.03	.07	1.00	.36	.36	3.70	2.51
6751.00	.03	.07	.89	.37	.37	3.74	2.54
6751.50	.03	.07	.65	.32	.32	3.77	2.57
6752.00	.04	.06	.34	.36	.36	3.80	2.60
6752.50	.05	.05	.21	.50	.50	3.83	2.63
6753.00	.05	.05	.42	.44	.44	3.89	2.66
6753.50	.05	.05	.59	.43	.43	3.92	2.69
6754.00	.04	.09	2.17	.49	.49	4.00	2.72
6754.50	.01	.12	7.85	.32	.32	4.05	2.75
6755.00	.01	.12	9.65	.36	.36	4.17	2.78
6755.50	.01	.12	9.65	.37	.37	4.23	2.81
6756.00	.15	.11	2.65	.44	.44	4.32	2.84
6756.50	.10	.07	.54	.45	.45	4.32	2.84
6757.00	.08	.08	1.11	.40	.40	4.36	2.87
6757.50	.06	.08	1.46	.41	.41	4.40	2.90
6758.00	.06	.07	.88	.48	.48	4.48	2.93
6758.50	.07	.08	.72	.30	.30	4.52	2.96
6759.00	.07	.08	.53	.31	.31	4.60	2.99
6759.50	.05	.08	.40	.34	.34	4.64	3.02
6760.00	.05	.09	.80	.35	.35	4.72	3.05
6760.50	.05	.08	.71	.37	.37	4.76	3.08
6761.00	.05	.07	.61	.46	.46	4.84	3.11
6761.50	.04	.06	.33	.50	.50	4.86	3.14
6762.00	.04	.06	.31	.48	.48	4.92	3.17
6762.50	.05	.06	.31	.42	.42	4.95	3.20
6763.00	.05	.05	.21	.35	.35	5.01	3.23
6763.50	.05	.05	.32	.45	.45	5.04	3.26
6764.00	.13	.06	.28	.45	.45	5.07	3.29

DEPTH SHALE VOLUME EFFECTIVE POROSITY PERM WATER SAT. FLUSHED ZONE SATURATION POROSITY FEET HYDROCARBON FEET

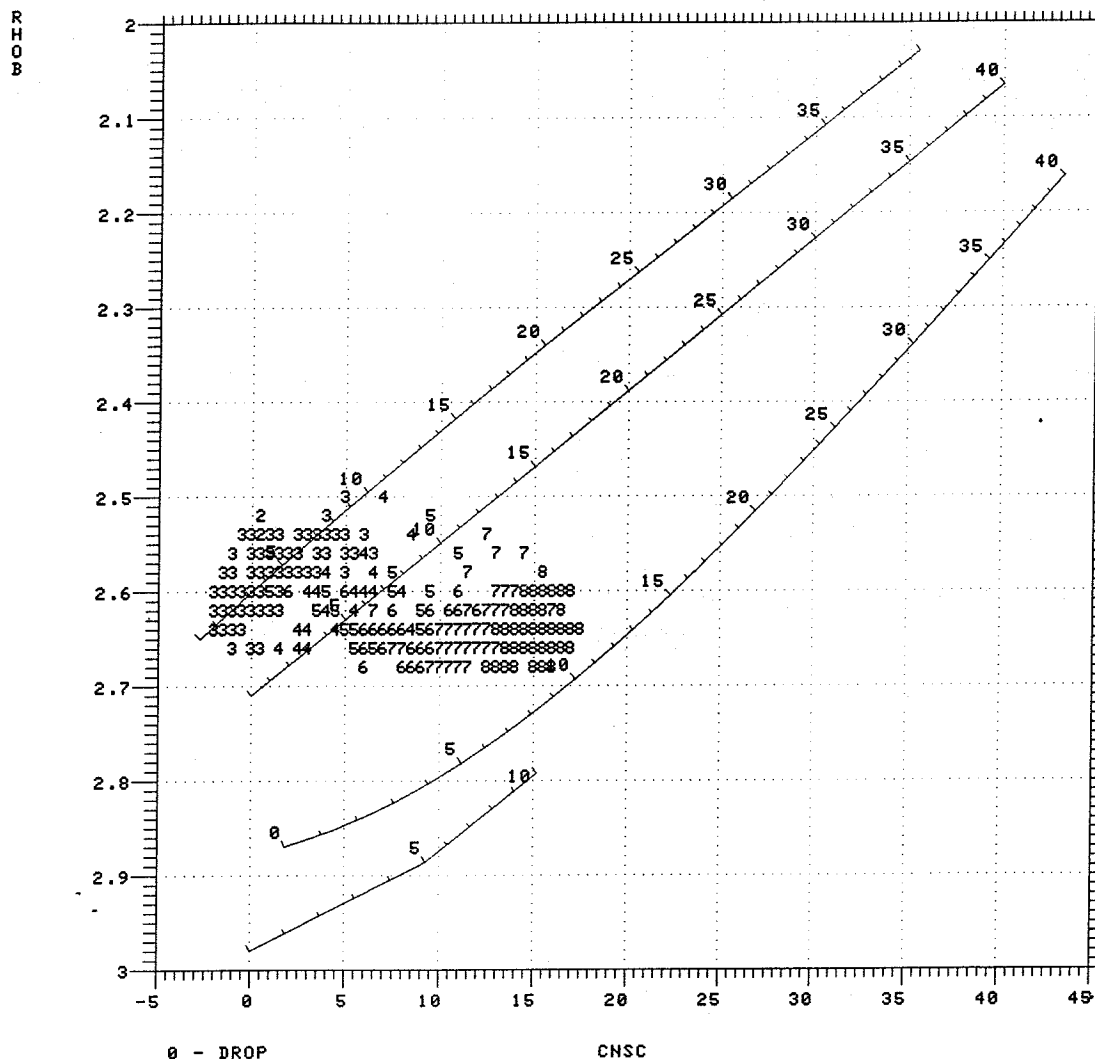
FOR THE INTERVAL FROM 7200.00 TO 6650.00
 WITH A RW OF : .26
 WITH POROSITY GREATER THAN : .05
 AND WATER SATURATION LESS THAN : .50
 FEET OF PAY FOR INTERVAL : 61.50
 FEET OF EFFECTIVE POROSITY : 5.07
 WITH AN AVERAGE EFFECTIVE POROSITY : .08
 WITH AN AVERAGE PERMEABILITY OF : 2.25
 WITH AN AVERAGE WATER SATURATION OF : 1.34
 HYDROCARBON PORE VOLUME IN FEET : 3.36
 HYDROCARBON PORE VOLUME IN BBL/ACRE : 26093.46



Corrected Open
Hole Data
6650' - 7200'

CROSS PLOTS

Z AXIS PLOT - CNSC vs RHO B Z = GRC



Z AXIS PLOT SUMMARY - CNSC vs RHO B Z :

Symbol:	0	1	2	3	4	5	6
Mean GRC	0	10	20	30	40	50	60
Symbol:	A	B	C	D	E	F	G

Note: A letter symbol scale is used if the Z-axis Standard Deviation is greater than:

CURVES:
=====

Axis Curve
X - CNSC
Y - RHO B
Z - GRC

Units Log Suite
% BHCOR
G/C3
GAPI BHCOR

Created

CUTOFFS:
=====

Curve or
Constant

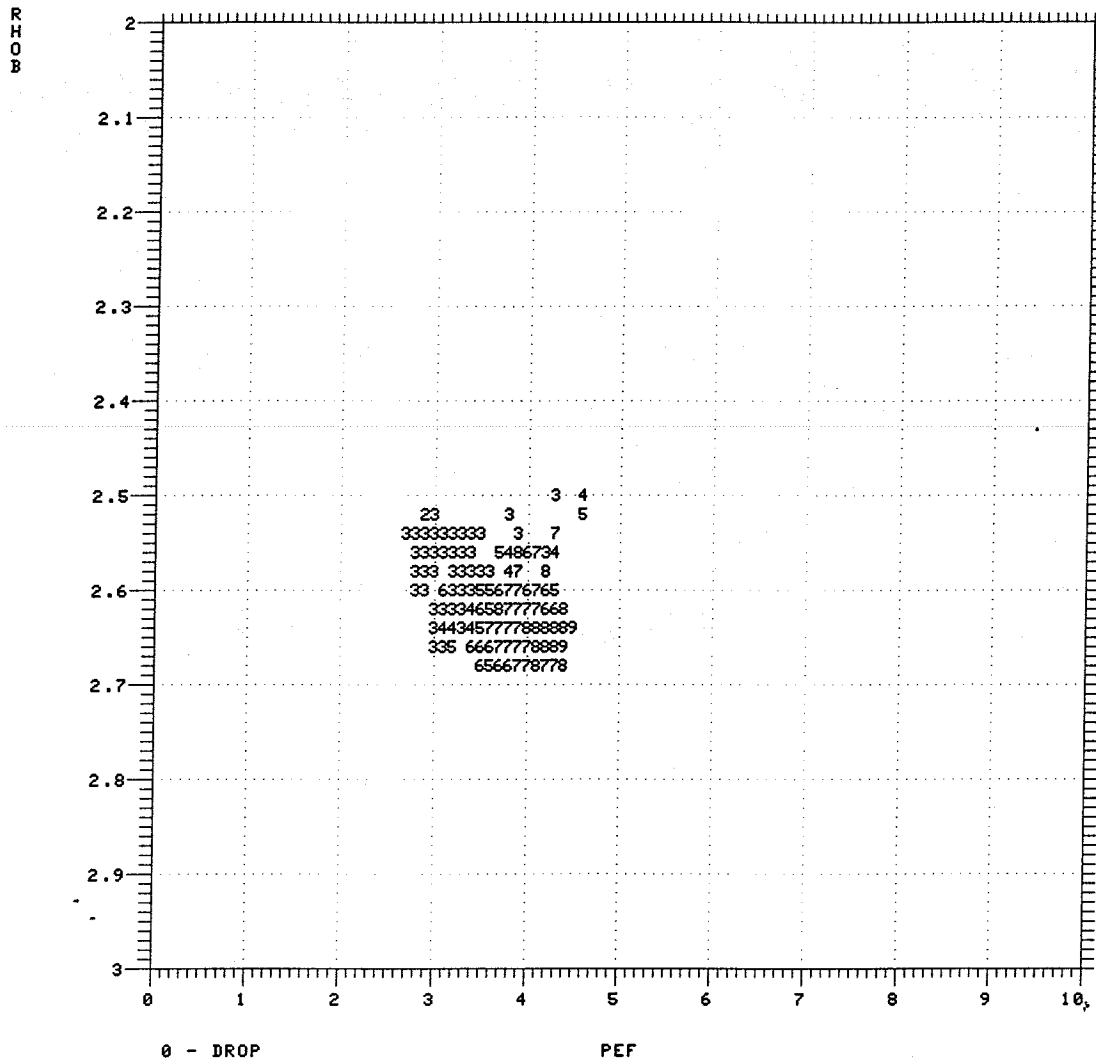
Relation
Operator

Curve or
Constant

NONE

Lithology file is: LITH70.LIT

Z AXIS PLOT - PEF vs RHOB Z = GRC



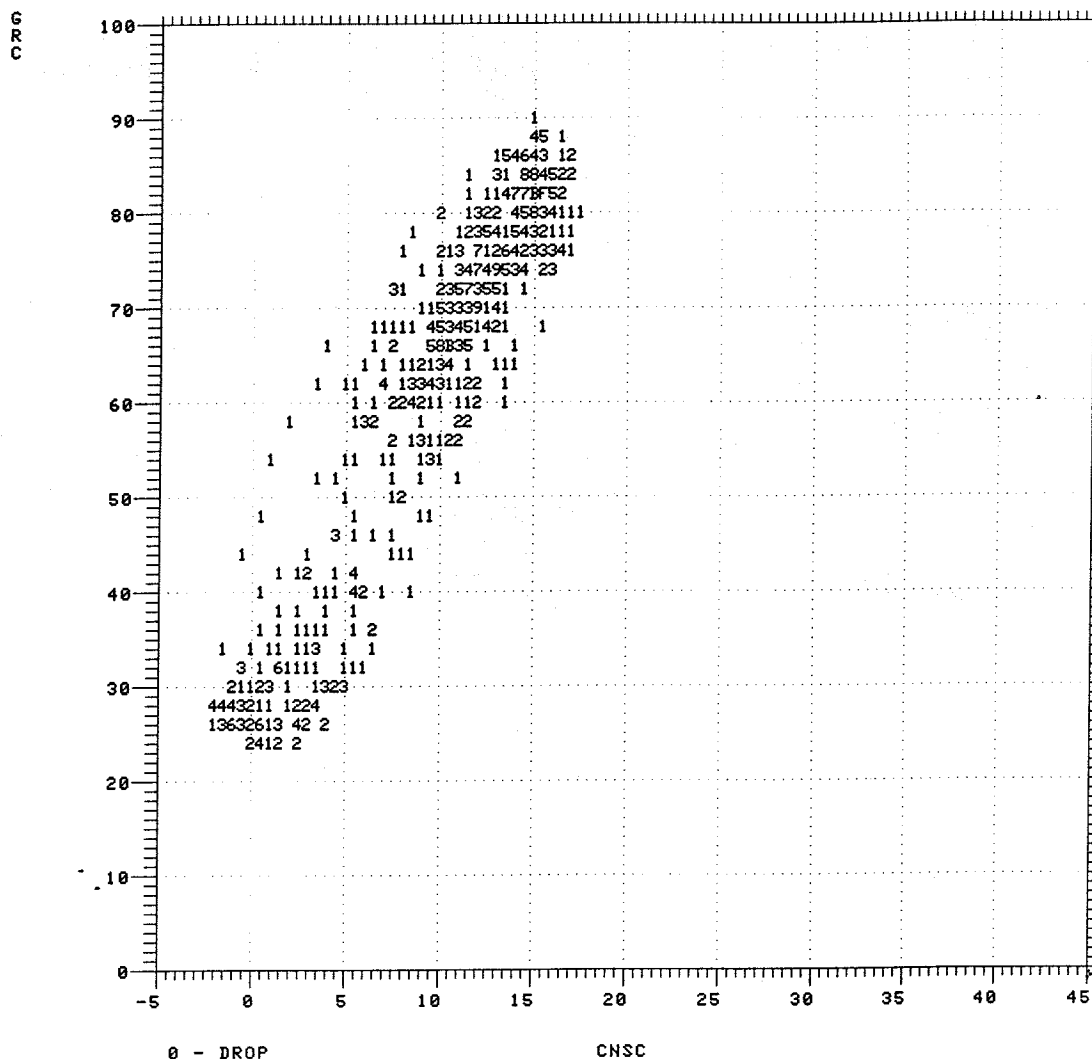
Z AXIS PLOT SUMMARY - PEF vs RHOB Z =

Symbol:	0	1	2	3	4	5	6
Mean GRC	0	10	20	30	40	50	60
Symbol:	A	B	C	D	E	F	G

Note: A letter symbol scale is used if the Z-axis Standard Deviation is greater than:

CURVES:	Axis	Curve	Units	Log Suite	Created
=====	----	----	----	-----	-----
	X	- PEF	B/EL		Created
	Y	- RHOB	G/C3		Created
	Z	- GRC	GAPI	BHCOR	
CUTOFFS:	Curve or	Relation	Curve or		
=====	Constant	Operator	Constant		
	-----	-----	-----		
		NONE			

CROSS PLOT - CNSC vs GRC



CROSS PLOT SUMMARY - CNSC vs GRC

Symbol:	123456789ABCDEFGHIJKLMN0PQRSTUVWXYZabcdefghijklmnopqrstuvwxyz*
Count:	1 2 3 4 5 6
	1234567890123456789012345678901234567890123456789012

* = 62 or greater

CURVES:
=====

Axis Curve
X - CNSC
Y - GRC

Units Log Suite
% BHCOR
GAPI BHCOR

CUTOFFS:
=====

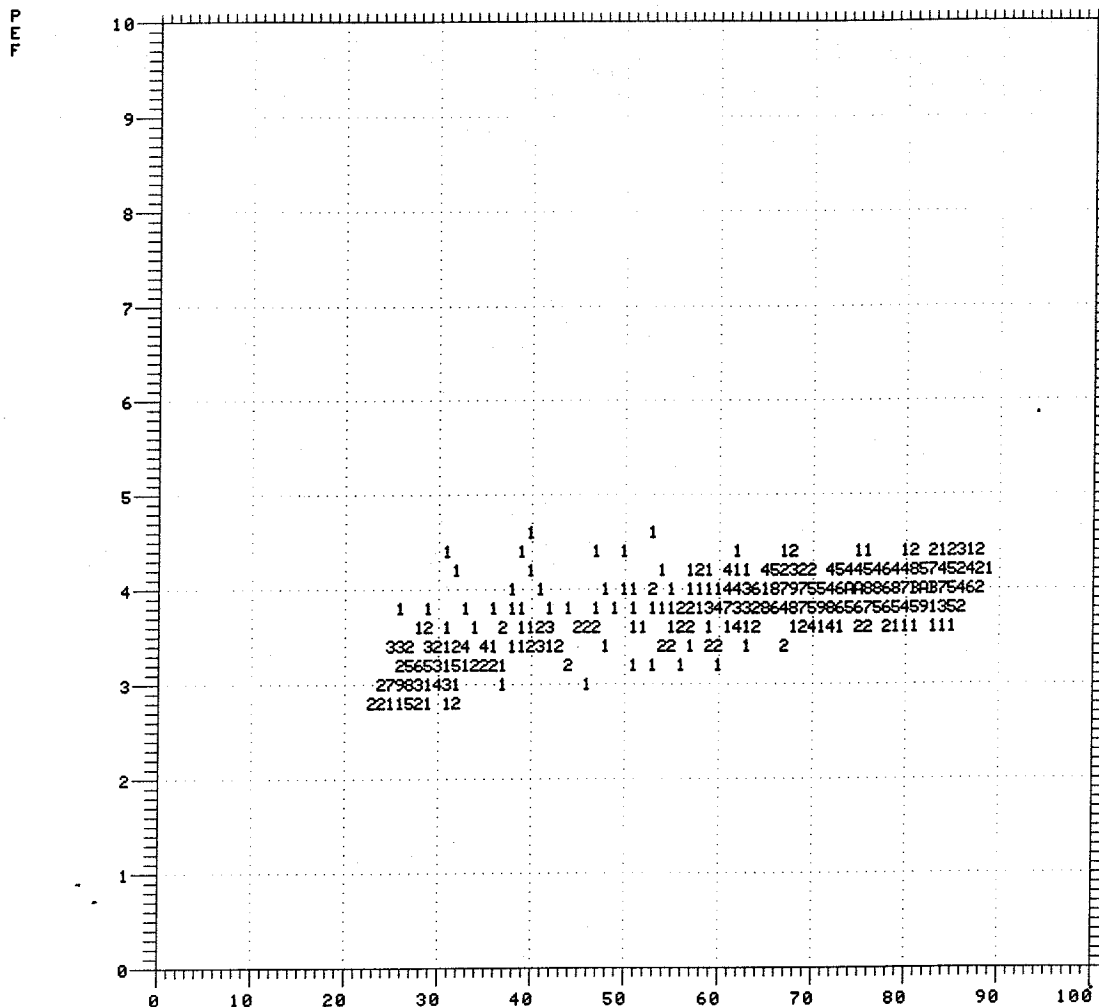
Curve or
Constant

Relation
Operator

Curve or
Constant

----- NONE -----

CROSS PLOT - GRC vs PEF



0 - DROP

GRC

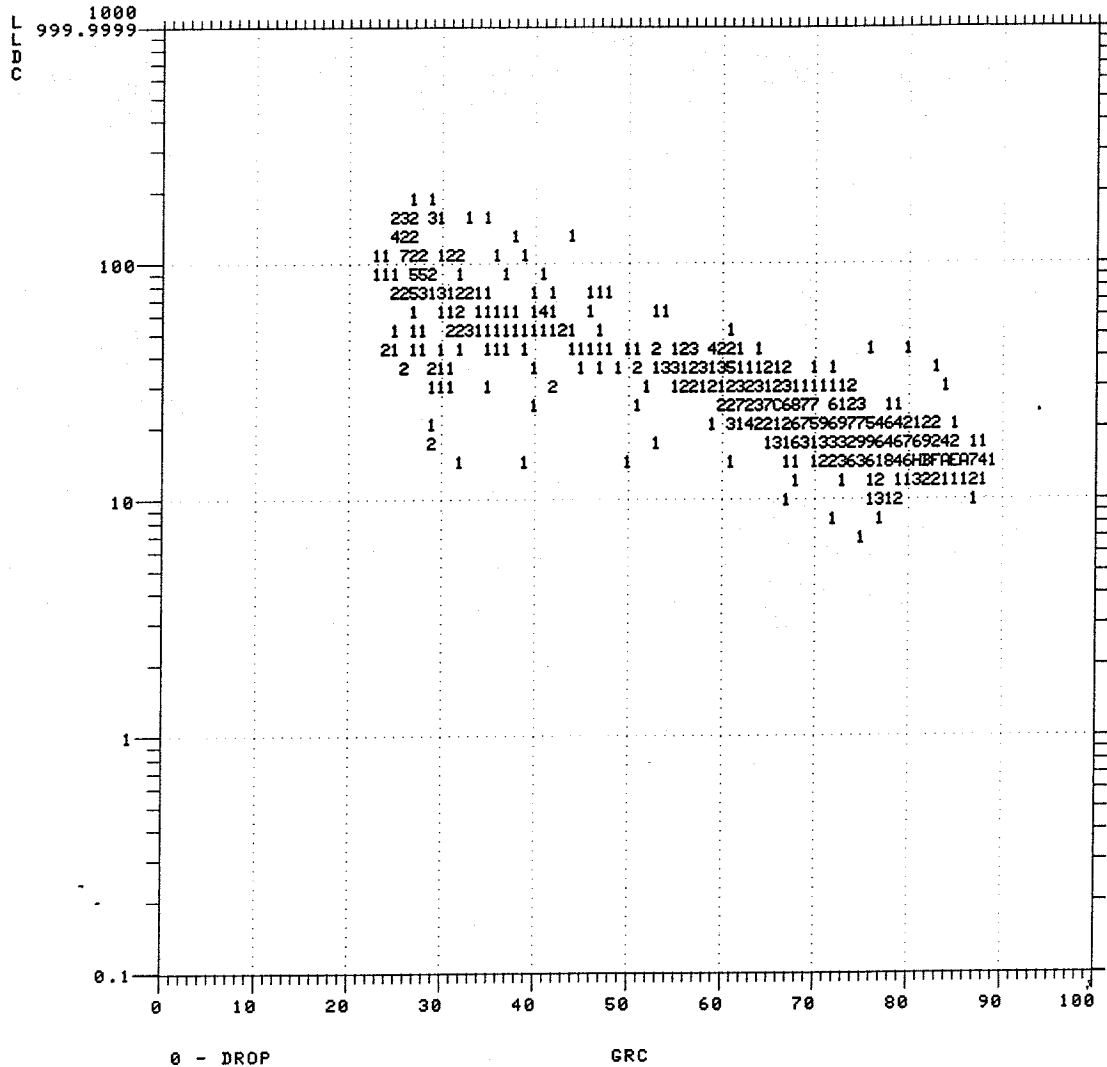
CROSS PLOT SUMMARY - GRC vs PEF

Symbol:	123456789ABCDEFGHIJKLMN												OPQRSTUVWXYZ												abcdefghijklmnopqrstuvwxyz*																																															
	-----+-----+-----+-----+-----+-----												-----+-----+-----+-----+-----+-----																																																											
Count:	1												2												3												4												5												6											
	12345678901234567890123456789012345678901234567890123456789012																																																																							

* = 62 or greater

CURVES:	Axis	Curve	Units	Log Suite	
=====		----	----	-----	-----
	X - GRC		GAPI	BHCOR	
	Y - PEF		B/EL		Created
CUTOFFS:	Curve or	Relation		Curve or	
=====	Constant	Operator		Constant	
	-----	-----		-----	
		NONE			

CROSS PLOT - GRC vs LLDC



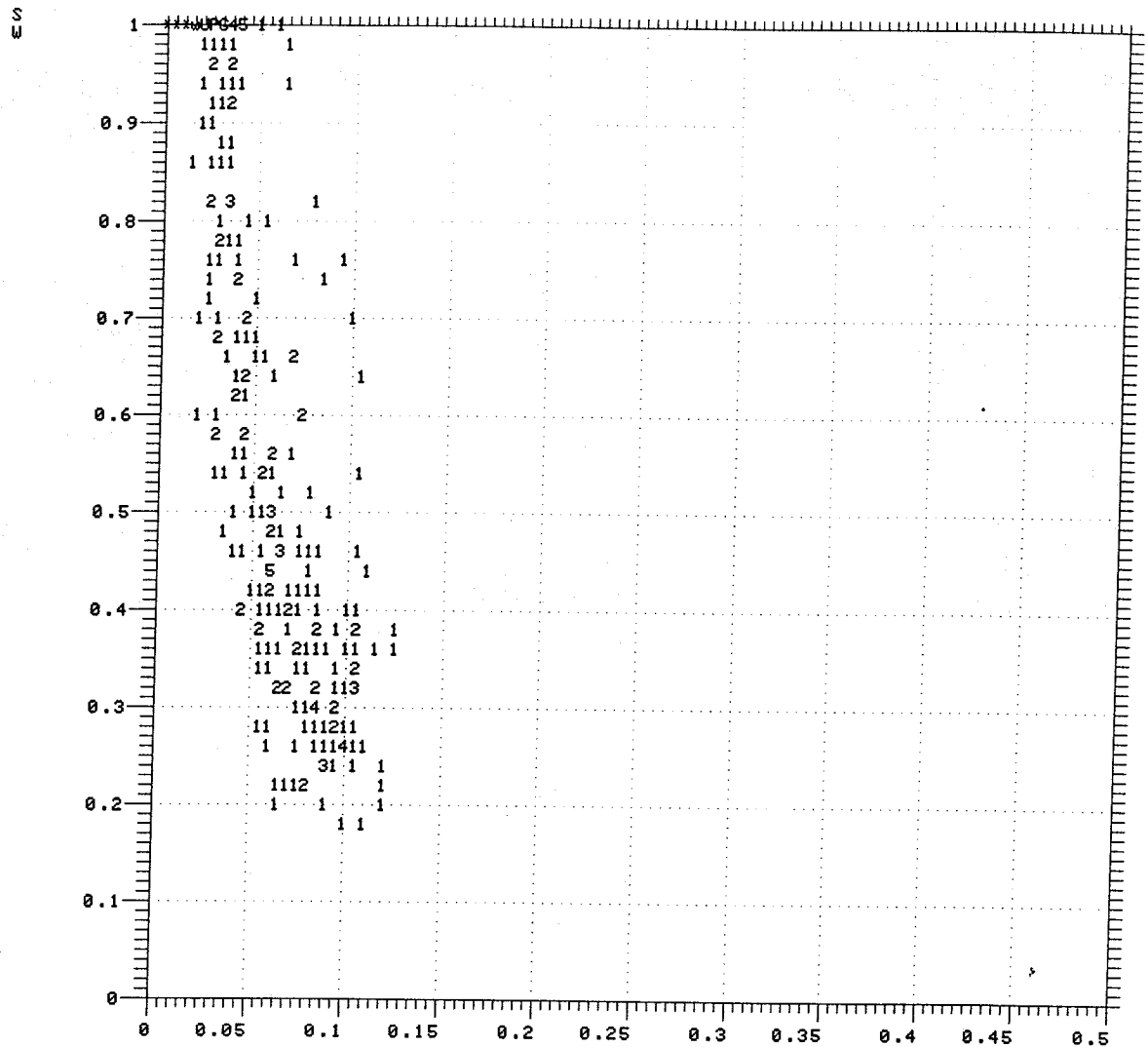
CROSS PLOT SUMMARY - GRC vs LLDC

Symbol:	123456789ABCDEFGHIJKLMN						OPQRSTUVWXYZ						abcdefghijklmnopqrstuvwxyz*					
Count:	1		2		3		4		5		6							
	1234567890		1234567890		1234567890		1234567890		1234567890		1234567890		1234567890		12			

* = 62 or greater

CURVES:	Axis	Curve	Units	Log Suite	
=====	-----	-----	-----	-----	-----
	X -	GRC	GAPI	BHCOR	
	Y -	LLDC	OHMM	BHCOR	
CUTOFFS:	Curve or		Relation		Curve or
=====	Constant		Operator		Constant
	-----		-----		-----
		-----	NONE	-----	

CROSS PLOT - EPOR vs SW



0 - DROP

EPOR

CROSS PLOT SUMMARY - EPOR vs SW

Symbol: 123456789ABCDEFGHIJKLMN0PQRSTUVWXYZabcdefghijklmnopqrstuvwxyz*

Count: 12345678901234567890123456789012345678901234567890123456789012

* = 62 or greater

CURVES:
=====

Axis Curve
X - EPOR
Y - SW

Units Log Suite
DECI SASHA
DECI SASHA

EFFECTI
WATER S

CUTOFFS:
=====

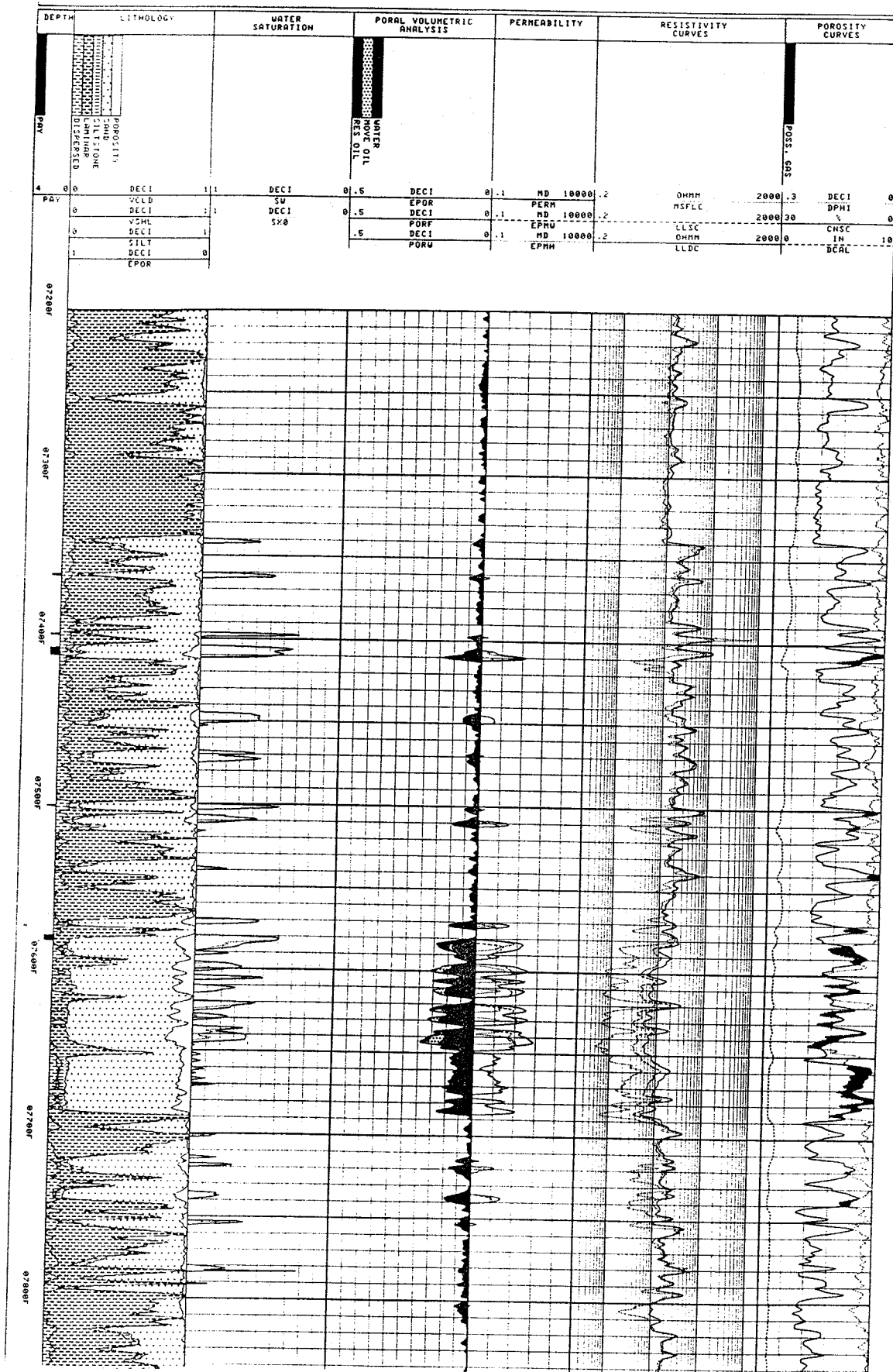
Curve or
Constant

Relation
Operator

Curve or
Constant

----- NONE -----

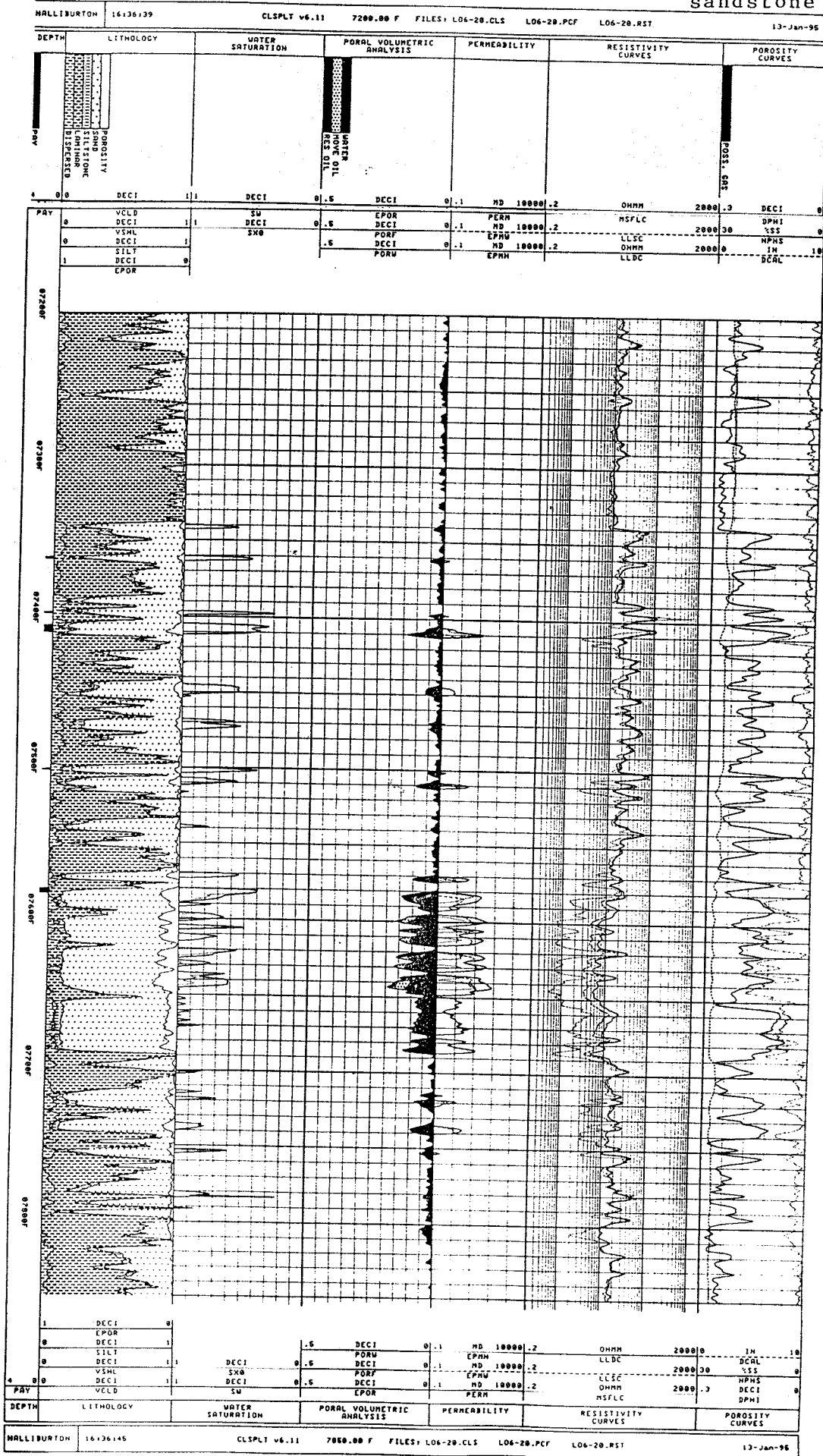
LOWER BASAL SALINA



Sand Shale Analysis
 Lower Basal Salina
 7200' - 7850'

Sand Shale Analysis

Lower Basal Salina 7200' - 7850' with NPHS = Neutron Porosity in sandstone



 * H H L SSSSS SASHA ANALYSIS REPORT
 * H H L S COMPANY : PETRO-TECH PERUANA S.A.
 * H H L SSSSS WELL NAME : L06-20
 * H H L L L L L SSSSS FIELD NAME : LOBITOS FIELD
 * COUNTRY :

 * DEPTH SHALE EFFECTIVE PERM WATER FLUSHED ZONE POROSITY HYDROCARBON
 * VOLUME POROSITY SAT. SATURATION FEET FEET

 * FOR THE INTERVAL FROM .00 TO .00
 * WITH A RW OF : .00
 * WITH A RMF OF : .00
 * WITH POROSITY GREATER THAN : .00
 * AND WATER SATURATION LESS THAN : .00
 * FEET OF PAY FOR INTERVAL : .00
 * FEET OF EFFECTIVE POROSITY : .00
 * WITH AN AVERAGE EFFECTIVE POROSITY : NaNQ
 * WITH AN AVERAGE PERMEABILITY OF : NaNQ
 * WITH AN AVERAGE WATER SATURATION OF : NaNQ
 * HYDROCARBON PORE VOLUME IN FEET : .00
 * HYDROCARBON PORE VOLUME IN BBLS/ACRE : .00

 * THE FOLLOWING PARAMETERS WERE USED FROM 7850.00 TO 7200.00
 * BIT SIZE = 8.50 AGE FLAG = 0.60
 * STEIBER = 3.00 CLAY TO SHALE RATIO = 2.70
 * WET SHALE DENSITY VALUE = 2.66 DRY SHALE DENSITY VALUE = 2.70
 * WET SHALE NEUTRON VALUE = .55 DRY SHALE NEUTRON VALUE = .55
 * WET SHALE ACOUSTIC VALUE = 80.0 DRY SHALE ACOUSTIC VALUE = 50.0
 * TEMPERATURE GRADIENT = 1.00 BOTTOM HOLE TEMPERATURE = 137.0
 * BOTTOM HOLE DEPTH = 8146. WATER RESISTIVITY DEPTH = 0.
 * WATER RESISTIVITY = .260 MUD FILTRATE RESISTIVITY = .050
 * SHALE WATER RESISTIVITY = .100 DEEP SHALE RESISTIVITY = 9.00
 * FORMATION FACTOR CONSTANT A = 1.00 CEMENTATION EXPONENT M = 2.00
 * WATER SATURATION EXPONENT N = 1.71

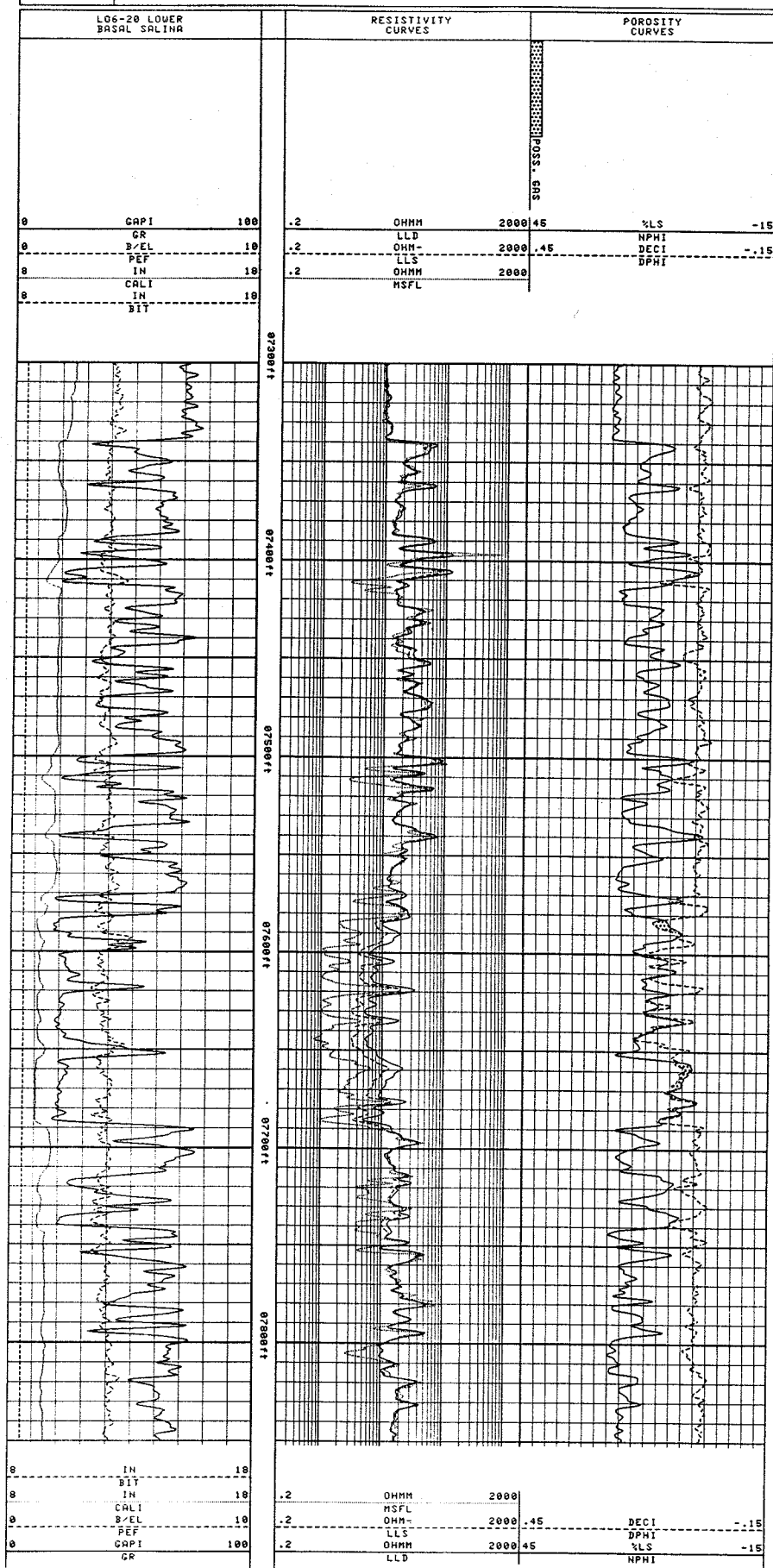
 * FROM TO RW RMF POROSITY LIMIT WATER SAT. LIMIT
 * 7850.00 7200.00 .26 .05 .05 .50

DEPTH	SHALE VOLUME	EFFECTIVE POROSITY	PERM	WATER SAT.	FLUSHED ZONE SATURATION	POROSITY FEET	HYDROCARBON FEET
7361.50	.19	.05	.20	.49	.49	.03	.01
7362.00	.22	.05	.18	.47	.47	.05	.03
7397.50	.24	.05	.20	.29	.29	.08	.05
7406.00	.12	.06	.33	.34	.34	.11	.07
7406.50	.12	.06	.50	.36	.38	.14	.09
7407.00	.12	.06	.53	.45	.45	.17	.10
7407.50	.14	.07	.67	.47	.47	.21	.12
7408.00	.17	.08	1.22	.45	.45	.24	.14
7408.50	.19	.10	3.35	.42	.42	.29	.17
7409.00	.18	.12	8.60	.40	.40	.35	.20
7409.50	.16	.13	14.79	.42	.43	.42	.24
7410.00	.13	.13	14.04	.48	.55	.48	.28
7501.50	.16	.05	.19	.41	.41	.51	.29
7580.50	.61	.06	.37	.44	.44	.54	.31
7581.00	.43	.08	1.69	.40	.40	.58	.33
7581.50	.28	.10	4.43	.40	.40	.63	.36
7582.00	.18	.12	9.07	.40	.40	.69	.40
7582.50	.13	.13	15.22	.41	.46	.75	.44
7583.00	.11	.14	18.59	.45	.56	.82	.48

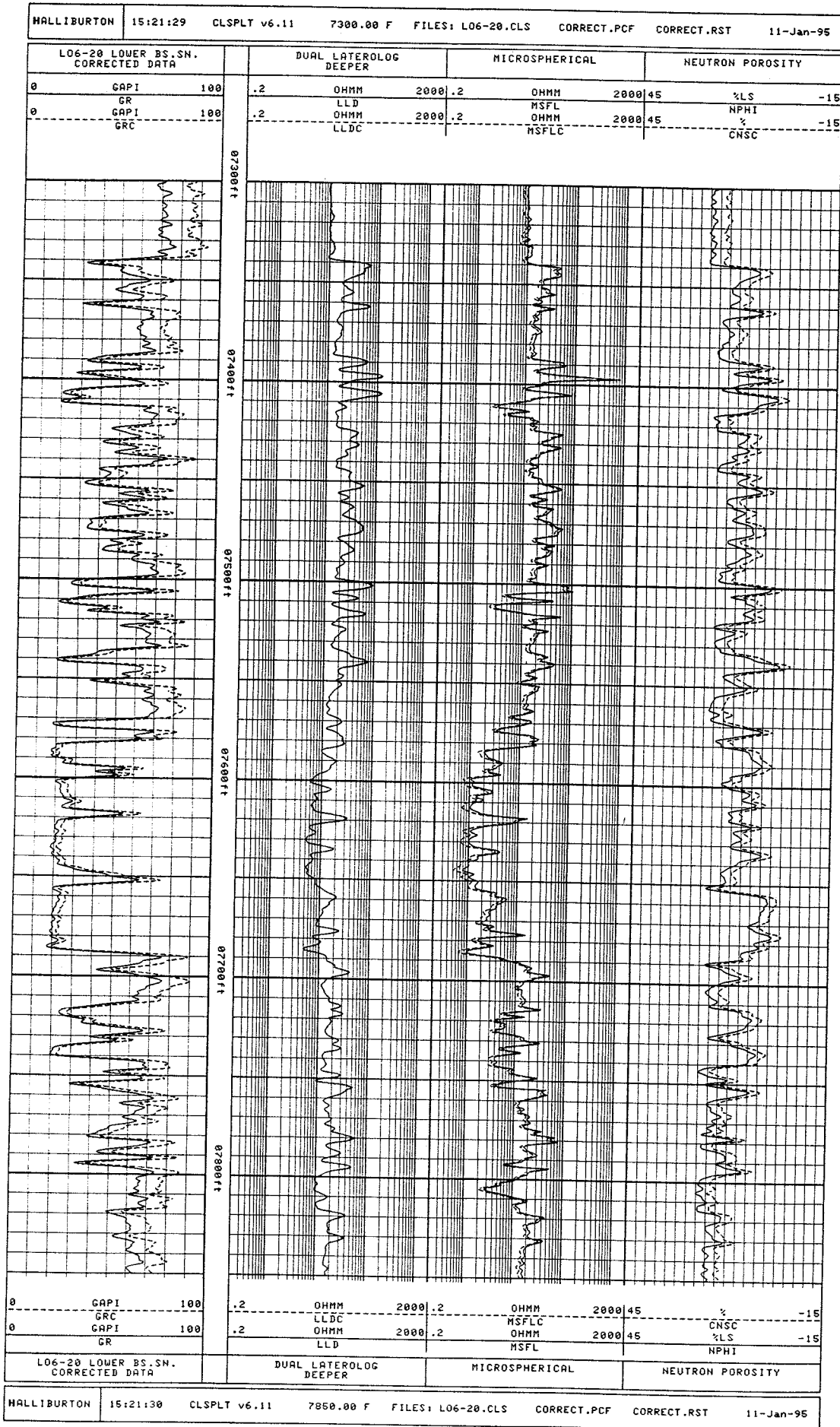
 * DEPTH SHALE EFFECTIVE PERM WATER FLUSHED ZONE POROSITY HYDROCARBON
 * VOLUME POROSITY SAT. SATURATION FEET FEET

 * FOR THE INTERVAL FROM 7850.00 TO 7200.00
 * WITH A RW OF : .26
 * WITH A RMF OF : .05
 * WITH POROSITY GREATER THAN : .05
 * AND WATER SATURATION LESS THAN : .50
 * FEET OF PAY FOR INTERVAL : 9.50
 * FEET OF EFFECTIVE POROSITY : .82
 * WITH AN AVERAGE EFFECTIVE POROSITY : .09
 * WITH AN AVERAGE PERMEABILITY OF : 4.96
 * WITH AN AVERAGE WATER SATURATION OF : .42
 * HYDROCARBON PORE VOLUME IN FEET : .48
 * HYDROCARBON PORE VOLUME IN BBLS/ACRE : 3697.30

Sand Shale Analysis
 Lower Basal Salina
 7200' - 7850'



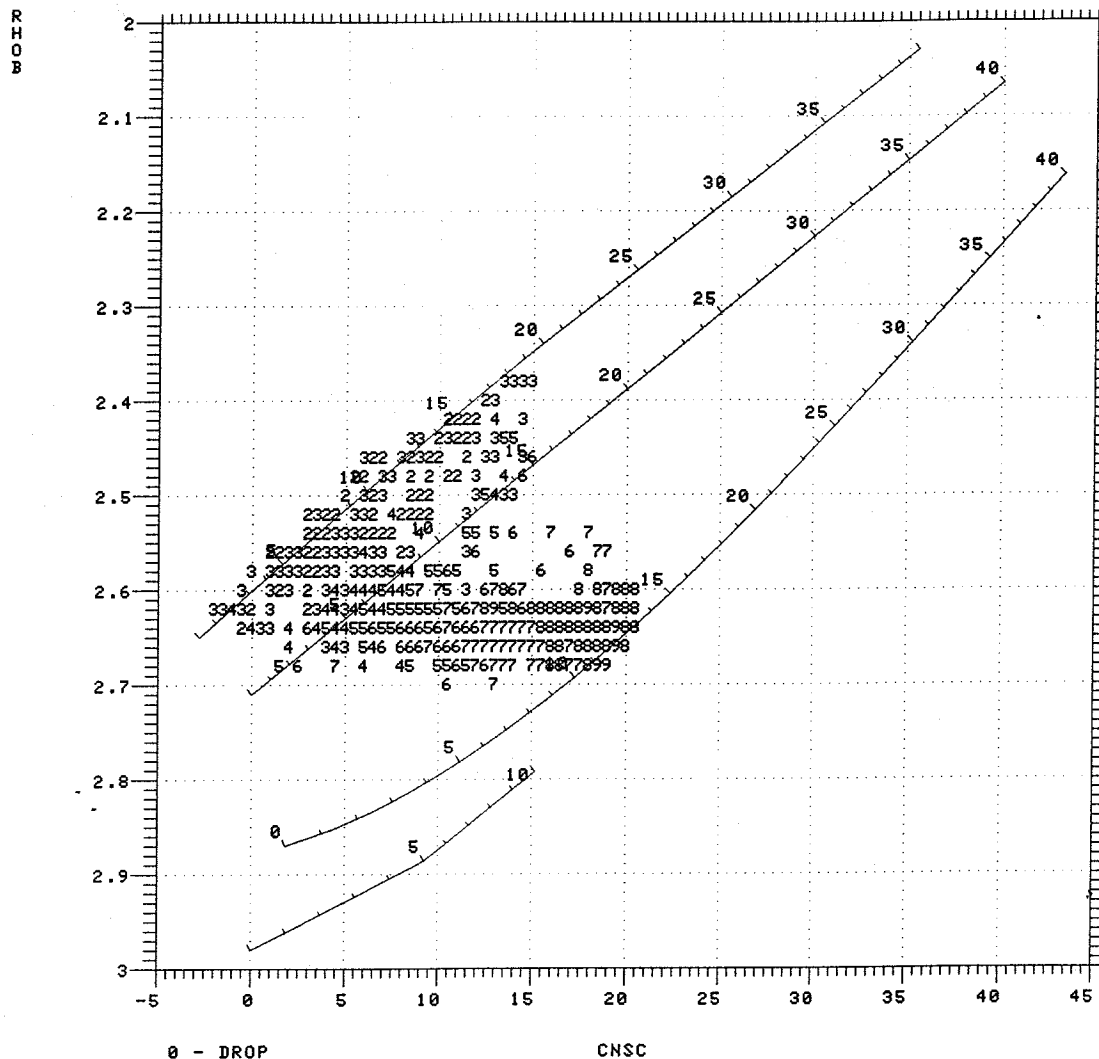
Open Hole Data
Lower Basal Salina
7200' - 7850'



Corrected
Lower Basal Salina
7200' - 7850'

CROSS PLOTS

Z AXIS PLOT - CNSC vs RHO B Z = GRC



Z AXIS PLOT SUMMARY - CNSC vs RHO B Z :

Symbol:	0	1	2	3	4	5	6
Mean GRC	0	10	20	30	40	50	60
Symbol:	A	B	C	D	E	F	G

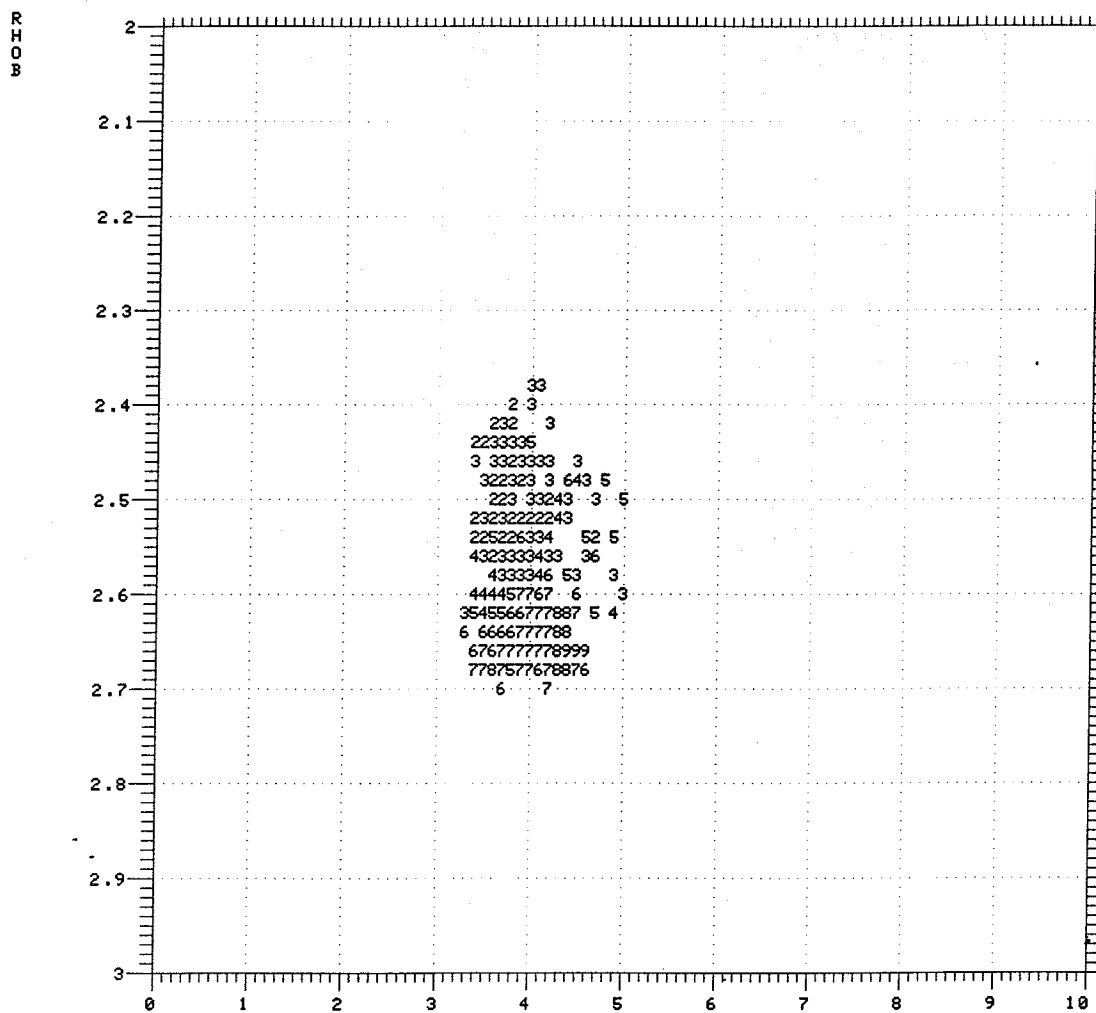
Note: A letter symbol scale is used if the Z-axis Standard Deviation is greater than:

CURVES:	Axis	Curve	Units	Log Suite	
=====					
	X	- CNSC	%	BHCOR	
	Y	- RHO B	G/C3		Created
	Z	- GRC	GAPI	BHCOR	

CUTOFFS:	Curve or	Relation	Curve or
=====	Constant	Operator	Constant

----- NONE -----

Z AXIS PLOT - PEF vs RHOB Z = GRC



0 - DROP PEF

Z AXIS PLOT SUMMARY - PEF vs RHOB Z =

Symbol:	0	1	2	3	4	5	6
Mean GRC	0	10	20	30	40	50	60
Symbol:	A	B	C	D	E	F	G

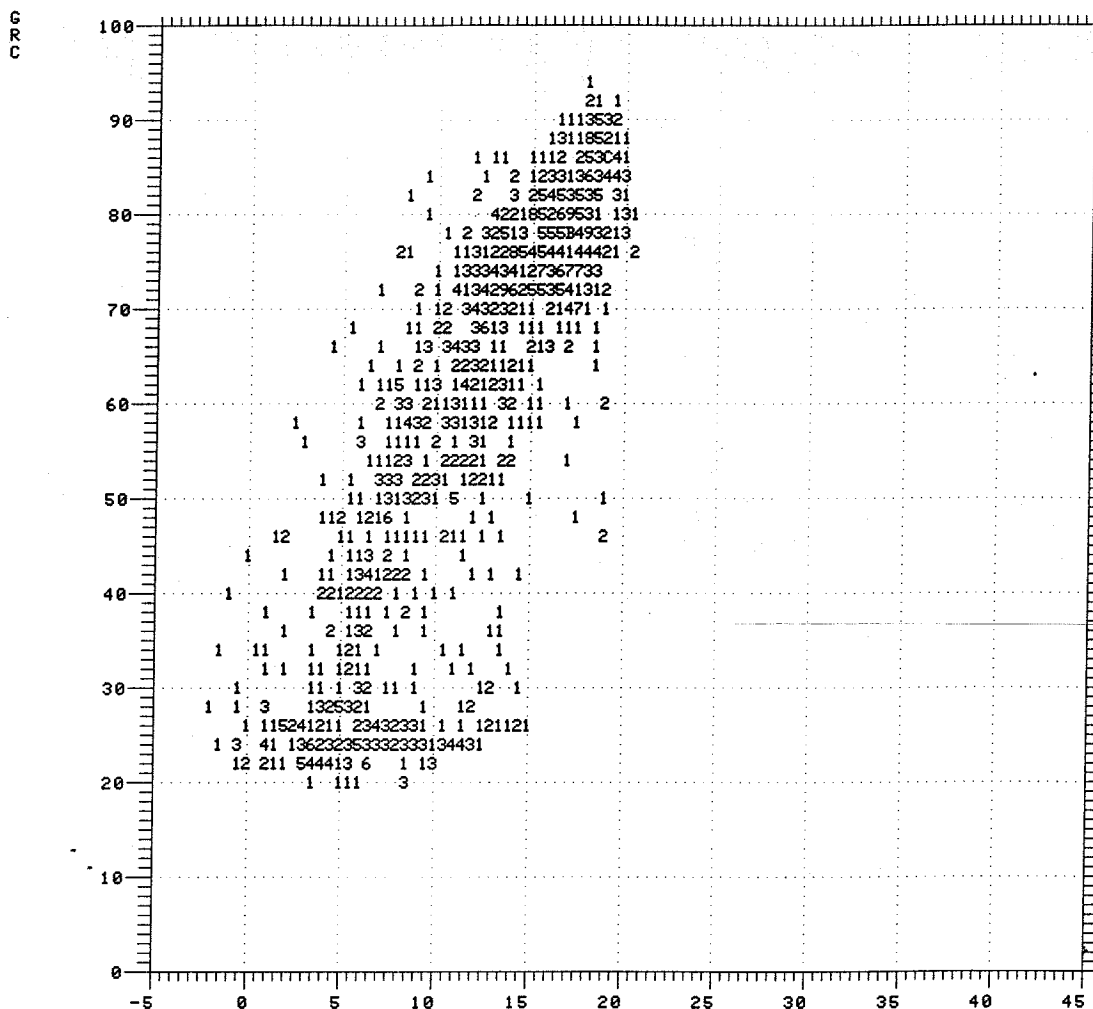
Note: A letter symbol scale is used if the Z-axis Standard Deviation is greater than:

CURVES:	Axis	Curve	Units	Log Suite	Created
=====					
	X	- PEF	B/EL		Created
	Y	- RHOB	G/C3		Created
	Z	- GRC	GAPI	BHCR	

CUTOFFS:	Curve or Constant	Relation Operator	Curve or Constant
=====	-----	-----	-----

----- NONE -----

CROSS PLOT - CNSC vs GRC



0 - DROP

CNSC

CROSS PLOT SUMMARY - CNSC vs GRC

Symbol:	123456789ABCDEFGHIJKLMN						OPQRSTUVWXYZ						abcdefghijklmnopqrstuvwxyz*					
	-----+-----+-----+-----+-----+-----+-----+-----																	
Count:	1		2		3		4		5		6							
	1234567890		1234567890		1234567890		1234567890		1234567890		1234567890		1234567890		1234567890		12	

* = 62 or greater

CURVES:
=====

Axis Curve
X - CNSC
Y - GRC

Units Log Suite
% BHCOR
GAPI BHCOR

CUTOFFS:
=====

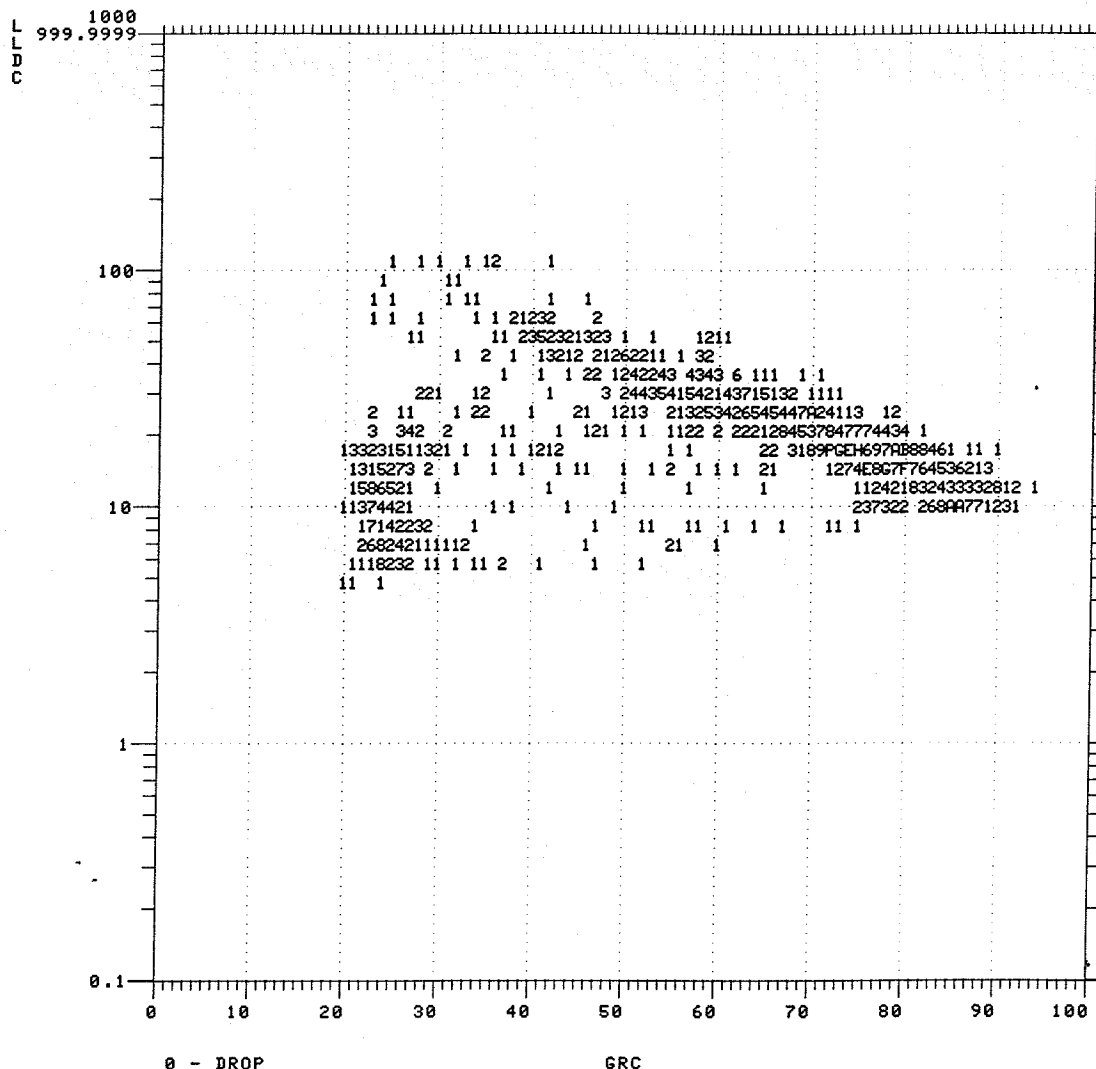
Curve or
Constant

Relation
Operator

Curve or
Constant

NONE

CROSS PLOT - GRC vs LLDC



CROSS PLOT SUMMARY - GRC vs LLDC

Symbol: 123456789ABCDEFGHIJKLMN0PQRSTUVWXYZabcdefghijklmnopqrstuvwxyz*
Count: 1 2 3 4 5 6
12345678901234567890123456789012345678901234567890123456789012

* = 62 or greater

CURVES:
=====

Axis Curve
X - GRC
Y - LLDC

Units Log Suite
GAPI BHCOR
OHMM BHCOR

CUTOFFS:
=====

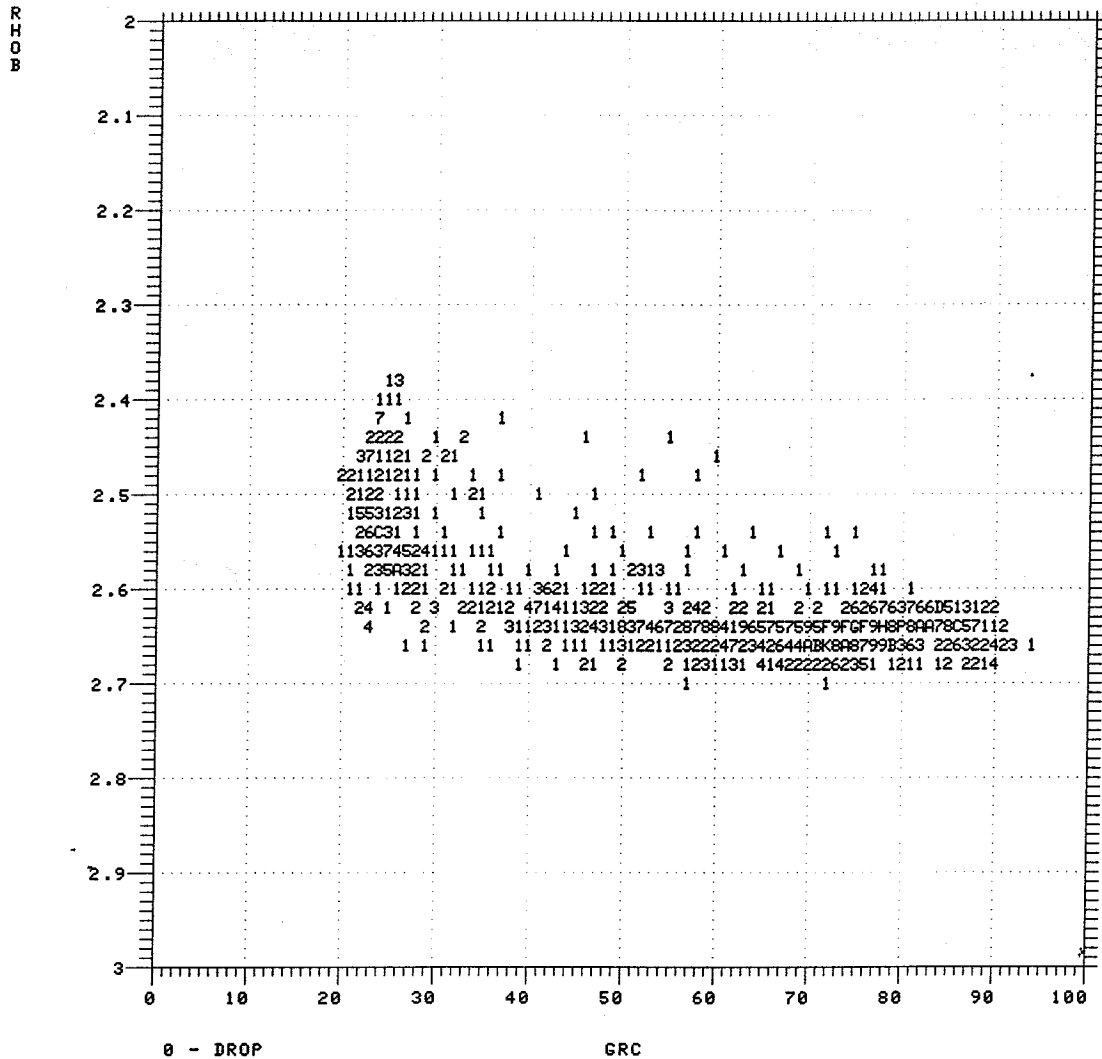
Curve or
Constant

Relation
Operator

Curve or
Constant

----- NONE -----

CROSS PLOT - GRC vs RHOB



CROSS PLOT SUMMARY - GRC vs RHOB

Symbol:	123456789ABCDEFGHIJKLMN						OPQRSTUVWXYZ						abcdefghijklmnopqrstuvwxyz*					
Count:	1		2		3		4		5		6		7		8			

* = 62 or greater

CURVES:

Axis Curve
X - GRC
Y - RHOB

Units
GAPI
G/C3

Log Suite
BHCOR

Created

CUTOFFS:

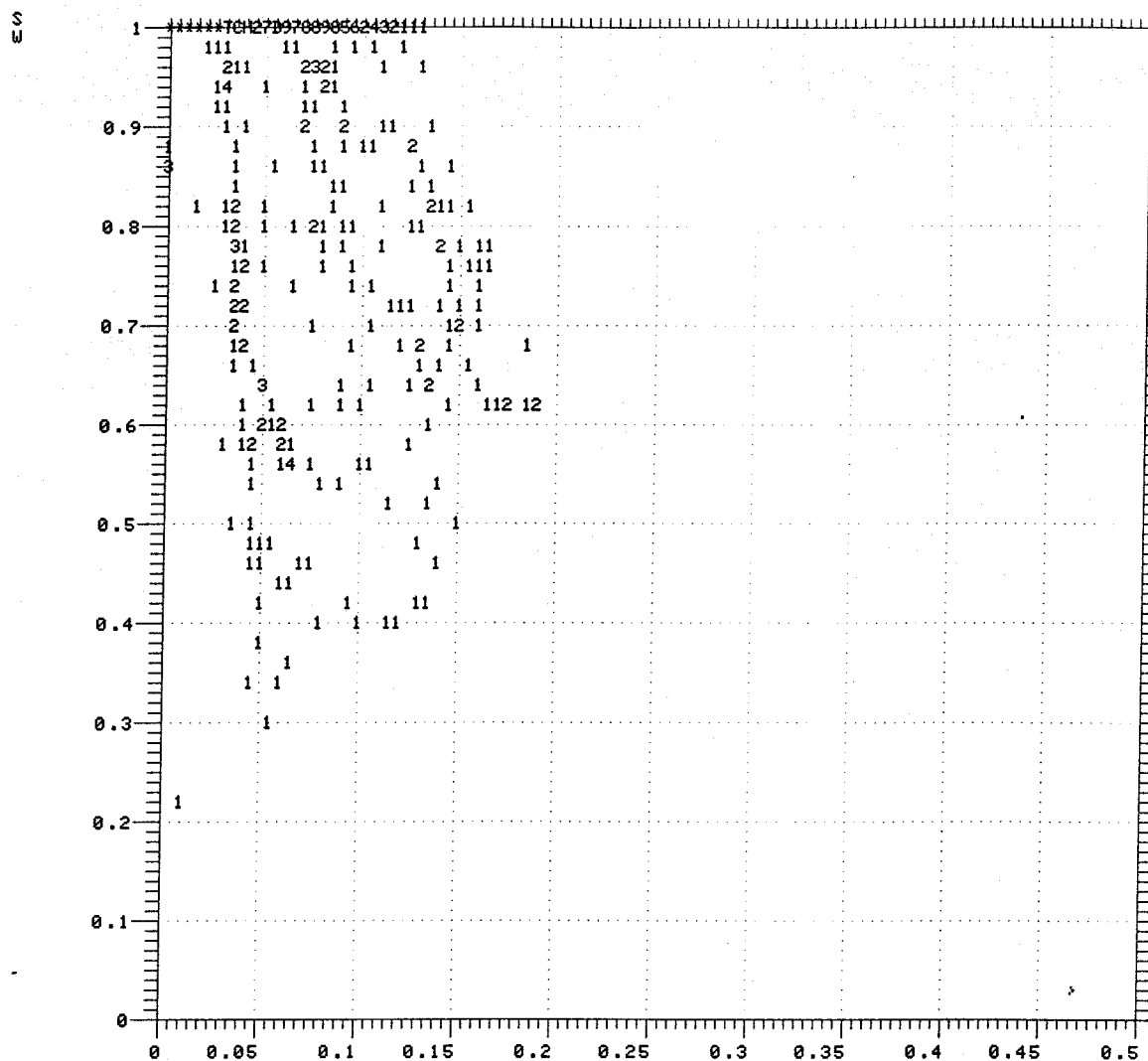
Curve or
Constant

Relation
Operator

Curve or
Constant

NONE

CROSS PLOT - EPOR v s SW



CROSS PLOT SUMMARY - EPOR v s SW

Symbol: 123456789ABCDEFGHIJKLMN0PQRSTUVWXYZabcdefghijklmnopqrstuvwxyz*

Count: 1 2 3 4 5 6
1234567890123456789012345678901234567890123456789012

* = 62 or greater

CURVES:
=====

Axis Curve
X - EPOR
Y - SW

Units Log Suite
DECI SASHA
DECI SASHA

EFFECTI
WATER S

CUTOFFS:
=====

Curve or
Constant

Relation
Operator

Curve or
Constant

----- NONE -----

14/12/94

LOG ANALYSIS - NET PAY, ZONE

Page

1

AREA : LOBITOS

WELL : LO620U

FORMATION : BS. SN. SUP.

INTERVAL : 6670 - 6970

Rw : .14970 @ 126.56 °F Cut off : Vsh 50.00 % Sw 50.00 % Por. 6.000 %

Depth	Gr	Rt	[Pord]c	Nphi	Vclay	Vsh	Sw
6685.000	29.279	80.208	7.000	10.400	0.800	18.600	28.300
6685.500	23.453	112.965	7.900	7.200	0.300	6.900	26.700
6686.000	22.057	150.321	7.900	4.200	0.200	4.100	24.500
6686.500	21.881	114.697	6.800	2.300	0.100	3.800	32.400
6710.000	38.302	91.228	6.400	11.200	2.100	36.600	20.000
6710.500	31.175	124.774	7.500	9.000	1.100	22.400	18.200
6711.000	25.632	98.262	7.600	7.300	0.500	11.300	27.200
6711.500	21.984	103.229	7.100	6.100	0.200	4.000	32.900
6712.000	19.922	102.073	6.900	5.200	0.000	-0.200	37.900
6712.500	19.373	139.226	7.600	4.500	0.000	-1.300	30.800
6713.000	19.368	118.836	8.900	4.100	0.000	-1.300	28.900
6713.500	20.178	106.404	10.100	4.000	0.000	0.400	26.300
6714.000	21.049	112.995	10.500	4.000	0.100	2.100	23.700
6714.500	21.507	136.996	10.200	4.000	0.100	3.000	21.500
6715.000	21.418	170.313	9.300	3.700	0.100	2.800	20.700
6715.500	21.468	210.239	8.300	3.100	0.100	2.900	20.100
6716.000	21.474	228.564	7.400	2.500	0.100	2.900	21.300
6716.500	22.146	230.409	6.400	2.100	0.200	4.300	22.600
6717.500	23.734	148.940	6.100	2.000	0.300	7.500	27.500
6718.000	23.832	109.431	6.800	2.200	0.300	7.700	30.200
6718.500	22.893	94.591	7.800	2.600	0.200	5.800	30.600
6719.000	21.494	91.887	9.000	3.300	0.100	3.000	29.600
6719.500	21.051	95.074	9.100	4.100	0.100	2.100	29.300
6720.000	21.626	100.886	8.900	4.700	0.100	3.300	28.200
6720.500	22.622	109.187	8.300	4.700	0.200	5.200	27.300
6721.000	23.089	119.928	7.500	4.700	0.200	6.200	27.600
6721.500	22.690	118.963	6.900	4.800	0.200	5.400	30.200
6722.000	23.896	104.322	6.800	5.400	0.300	7.800	31.200
6722.500	30.348	82.525	6.100	6.600	1.000	20.700	29.800
6731.000	24.902	116.174	7.100	7.000	0.400	9.800	26.800
6731.500	23.715	123.489	8.000	6.800	0.300	7.400	24.800
6732.000	23.497	125.583	8.500	6.500	0.300	7.000	23.500
6732.500	23.979	124.587	8.400	6.300	0.300	8.000	23.300
6733.000	23.747	117.790	8.100	6.100	0.300	7.500	25.000
6733.500	23.027	106.840	7.700	6.000	0.200	6.100	28.800
6734.000	22.454	92.394	7.800	6.000	0.200	4.900	31.700
6734.500	22.590	79.277	8.300	6.100	0.200	5.200	32.700
6735.000	22.680	68.635	8.800	6.200	0.200	5.400	33.400
6735.500	22.503	59.812	9.000	6.200	0.200	5.000	35.600
6736.000	21.216	55.223	8.900	6.300	0.100	2.400	39.400
6736.500	20.308	54.397	8.900	6.100	0.000	0.600	41.200
6737.000	20.156	57.712	9.100	5.800	0.000	0.300	39.400
6737.500	20.929	69.744	8.900	5.100	0.100	1.900	35.500
6738.000	21.571	98.926	8.400	4.200	0.100	3.100	30.000
6738.500	22.231	156.802	7.300	3.300	0.200	4.500	25.200
6739.000	21.955	241.869	6.400	2.600	0.200	3.900	22.500
6745.000	29.766	45.930	6.100	10.200	0.900	19.500	45.000
6745.500	26.836	48.019	7.200	8.600	0.600	13.700	42.200
6746.000	24.858	44.100	8.000	7.600	0.400	9.700	43.200
6746.500	24.016	37.747	8.400	7.200	0.300	8.000	46.500
6755.500	43.401	37.219	7.000	15.200	3.100	46.800	32.500

14/12/94

LOG ANALYSIS - NET PAY ZONE

Page

2

AREA : LOBITOS

WELL : LO620U

FORMATION : BS. SN. SUP.

INTERVAL : 6670 - 6970

Rw : .14970 @ 126.56 ° F Cut off : Vsh 50.00 % Sw 50.00 % Por. 6.000 %

Depth	Gr	Rt	[Pord]c	Nphi	Vclay	Vsh	Sw
6756.000	33.341	49.108	8.600	12.400	1.300	26.700	29.500
6756.500	27.061	65.302	9.200	9.900	0.600	14.100	28.100
6757.000	25.540	74.349	8.800	7.900	0.500	11.100	28.500
6757.500	27.703	81.073	8.100	6.200	0.700	15.400	26.500
6758.000	29.046	48.512	7.500	5.100	0.800	18.100	37.500
6758.500	29.191	43.745	7.000	4.600	0.800	18.400	42.200
6759.000	30.645	38.638	6.600	4.900	1.000	21.300	46.100
6759.500	34.985	31.105	7.300	5.800	1.600	30.000	44.100
6760.000	42.782	23.572	6.900	7.100	3.000	45.600	46.900
6782.500	24.859	42.970	7.300	8.600	0.400	9.700	47.600
6783.000	21.941	49.289	8.900	7.900	0.100	3.900	40.800
6783.500	21.674	48.930	10.100	7.900	0.100	3.300	37.300
6784.000	25.402	44.952	10.800	8.900	0.400	10.800	32.600
6784.500	33.248	32.683	11.000	10.900	1.300	26.500	31.800
6785.000	43.947	22.502	10.300	13.800	3.300	47.900	34.800
6795.000	29.617	53.037	6.200	7.900	0.900	19.200	40.400
6795.500	27.645	53.007	6.800	7.100	0.700	15.300	40.400
6796.000	27.148	50.290	6.500	7.000	0.600	14.300	43.800
6944.000	29.154	69.827	6.300	8.200	0.800	18.300	34.400
6944.500	29.018	78.355	7.000	6.800	0.800	18.000	29.400
6945.000	28.478	79.596	6.700	6.000	0.700	17.000	30.500
6945.500	27.905	78.612	6.200	5.700	0.700	15.800	33.400
6946.000	26.997	74.892	6.500	5.300	0.600	14.000	34.500
6946.500	26.274	66.757	6.900	5.000	0.500	12.500	36.100
6947.000	26.601	60.425	6.900	4.900	0.600	13.200	38.300
6947.500	27.100	60.859	6.100	4.800	0.600	14.200	41.200

NET PAY :

38.50 M.D.

32.82 V.D.

AVERAGE POROSITY

7.84 %

AVERAGE Sw :

32.08 %