COMPANY:	**Enerfin Resources Northwest**
WELL:	**C.C 14-32-75 (Second Paul)**
FIELD:	**Mist Gas**
COUNTY:	**Columbia**
STATE:	**Oregon**

COUNTY: Columbia
Field: Mist Gas
Location: 1198.48'N & 865.24' E from
Well: C.C 14-32-75 (Second Paul)
Company: Enerfin Resources Northwest

TVD
Schlumberger

Platform Express
Array Induction/SP/ML/GR
Neutron/Densiyt/GR

LOCATION
1198.48'N & 865.24' E from
the SW corner of section 32

Elev.: K.B. 859.05 ft
G.L. 849.05 ft
D.F.

Permanent Datum:	Ground Level	Elev.:	849.05 ft
Log Measured From:	Kelly Bushing	10.0 ft	above Perm. Datum
Drilling Measured From:	Kelly Bushing		

API Serial No.	SECTION	TOWNSHIP	RANGE
	32	7N	5W

Logging Date		15-JUL-1999			
Run Number		1			
Depth Driller		3254 ft			
Schlumberger Depth		3158 ft			
Bottom Log Interval		3150 ft			
Top Log Interval		485 ft			
Casing Driller Size @ Depth		7.000 in	@ 485 ft	@	
Casing Schlumberger		483 ft			
Bit Size		6.750 in			
Type Fluid In Hole		GEL			
MUD Density	Viscosity	9.4 lbm/gal	42 s		
Fluid Loss	PH	3.2 cm3	9.8		
Source Of Sample		Flowline			
RM @ Measured Temperature		0.790 ohm.m	@ 84 degF	@	
RMF @ Measured Temperature		0.920 ohm.m	@ 73 degF	@	
RMC @ Measured Temperature		1.020 ohm.m	@ 68 degF	@	
Source RMF	RMC	Press	Press		
RM @ MRT	RMF @ MRT	0.647 @ 104	0.663 @ 104	@	@
Maximum Recorded Temperatures		104 degF			
Circulation Stopped	Time	15-JUL-1999	2:00		
Logger On Bottom	Time	15-JUL-1999			
Unit Number	Location	3152	Sacramento		
Recorded By		Clayton Campbell			
Witnessed By		Dave Huggins			

True Vertical Depth

Run 1

Logging Date		
Run Number		
Depth Driller		
Schlumberger Depth		
Bottom Log Interval		
Top Log Interval		
Casing Driller Size @ Depth		@
Casing Schlumberger		
Bit Size		
Type Fluid In Hole		
MUD Density	Viscosity	
Fluid Loss	PH	
Source Of Sample		
RM @ Measured Temperature		@
RMF @ Measured Temperature		@
RMC @ Measured Temperature		@
Source RMF	RMC	
RM @ MRT	RMF @ MRT	@
Maximum Recorded Temperatures		
Circulation Stopped	Time	
Logger On Bottom	Time	
Unit Number	Location	
Recorded By		
Witnessed By		

@
@
@ @ @ @ @
@

Run 2
Run 3
Run 4

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 WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION 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.

OTHER SERVICES1	OTHER SERVICES2
OS1:	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
2 centralizers used on sonic sonde	
0.5 inch standoffs used on array induction tool	
Rig: Taylor Drilling #7	

RUN 1		RUN 2	
SERVICE ORDER #:	6075768	SERVICE ORDER #:	
PROGRAM VERSION:	9C0-413	PROGRAM VERSION:	
FLUID LEVEL:		FLUID LEVEL:	

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1

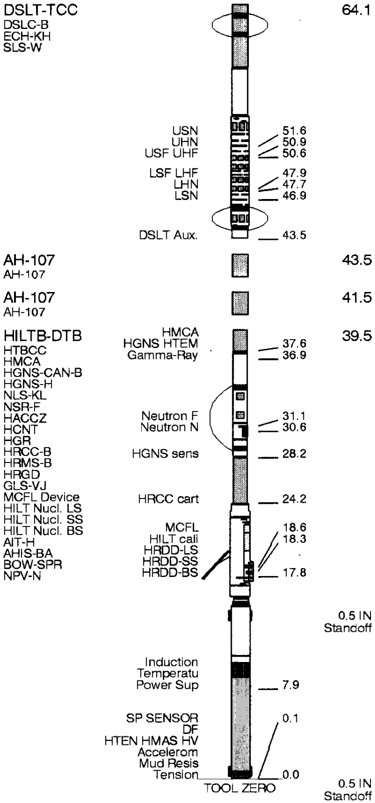
RUN 2

SURFACE EQUIPMENT

GSR-U/Y
NCT-B
CNB-AB
NCS-VB
TCM-AB

DOWNHOLE EQUIPMENT

LEH-QT LEH-QT		70.0
TCC-BF ECH-KC TCC-BF	TelStatus	67.1 64.1



MAXIMUM STRING DIAMETER 4.88 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

Input DLIS Files

DEFAULT	HILTB .031	FN:21 PRODUCER	17-Jul-1999 13:32	3168.0 FT	400.0 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 659.77 F3

Cement Volume = 538.80 F3 (assuming 2.88 IN casing O.D.)

Computed from 3168.0 FT to 485.0 FT using data channel(s) HCAL

OP System Version: 9C0-413

MCM

HILTB-DTB	OP9-KP1	DSLT-TCC	OP9-KP1
TCC-BF	9C0-413		

PIP SUMMARY

├ Integrated Hole Volume Minor Pip Every 10 F3

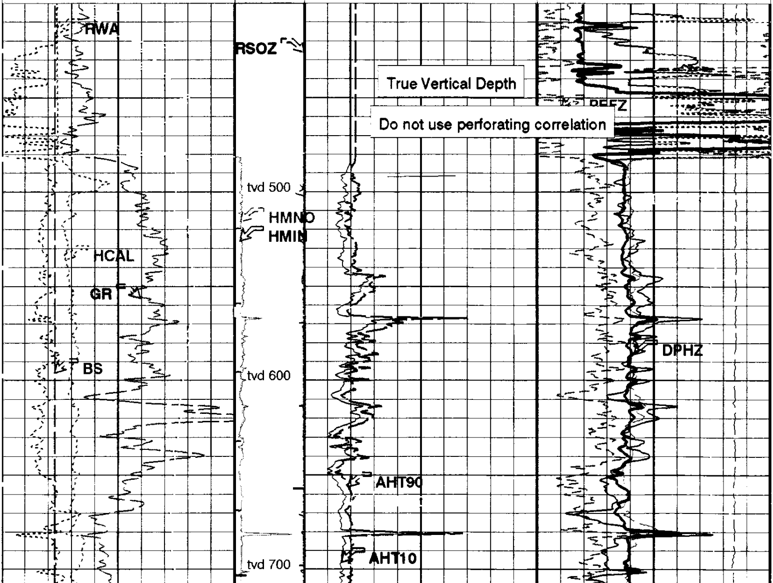
├─ Integrated Hole Volume Major Pip Every 100 F3

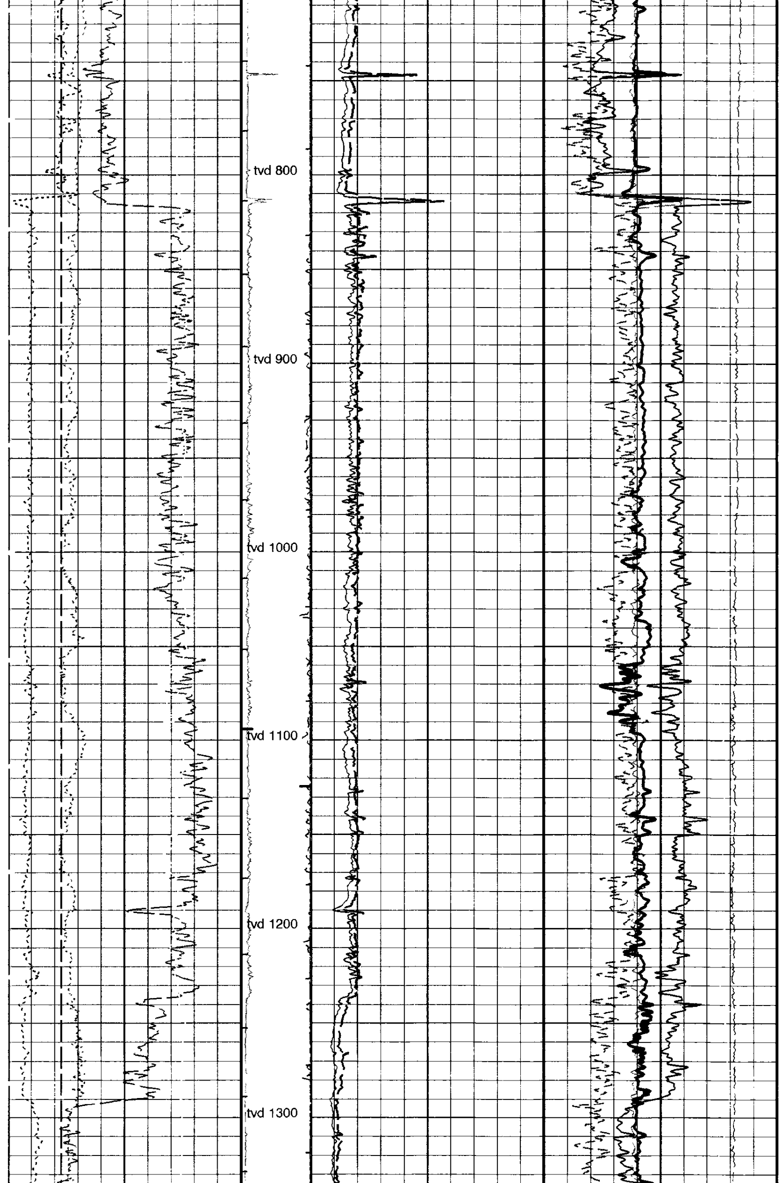
┤ Integrated Cement Volume Minor Pip Every 10 F3

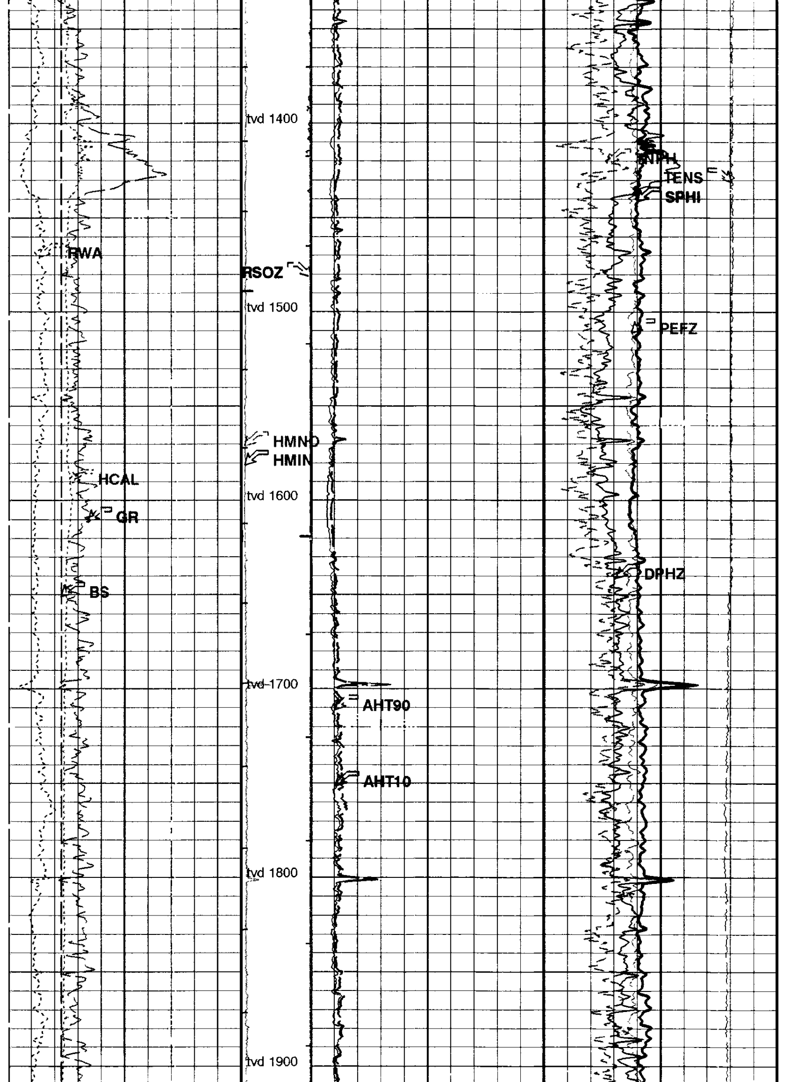
─┤ Integrated Cement Volume Major Pip Every 100 F3

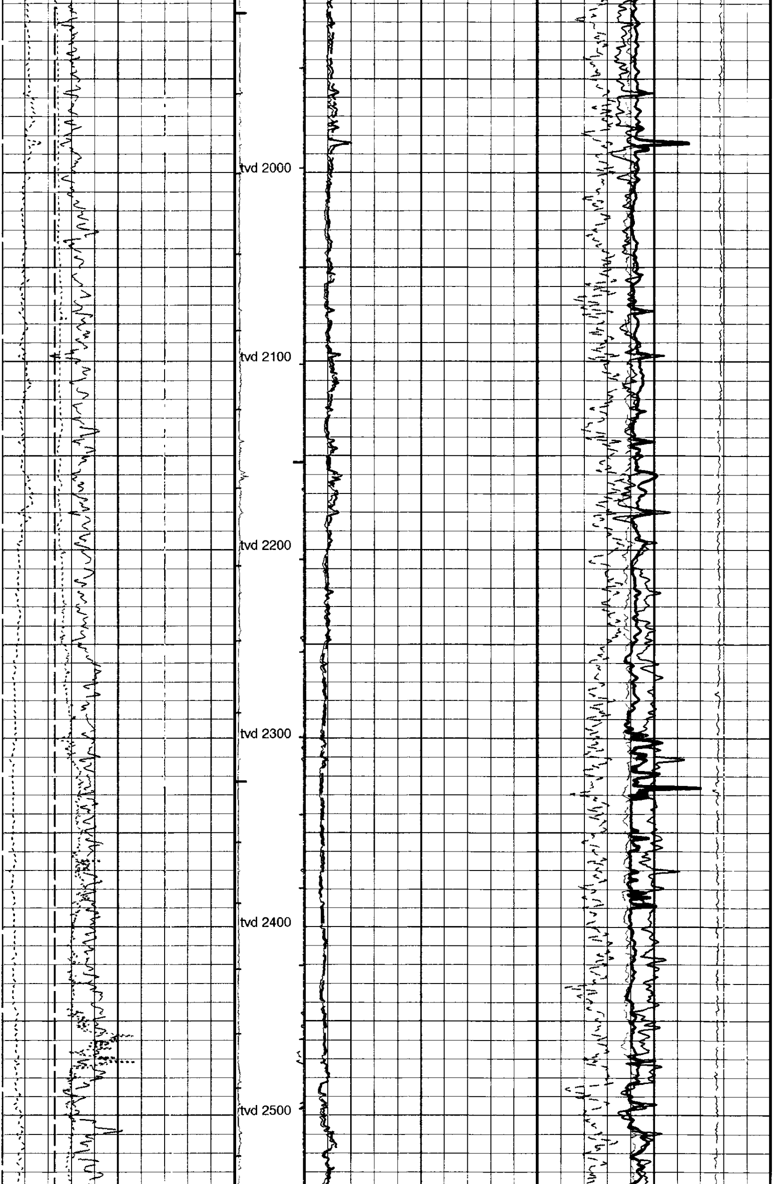
▣ Time Mark Every 60 S

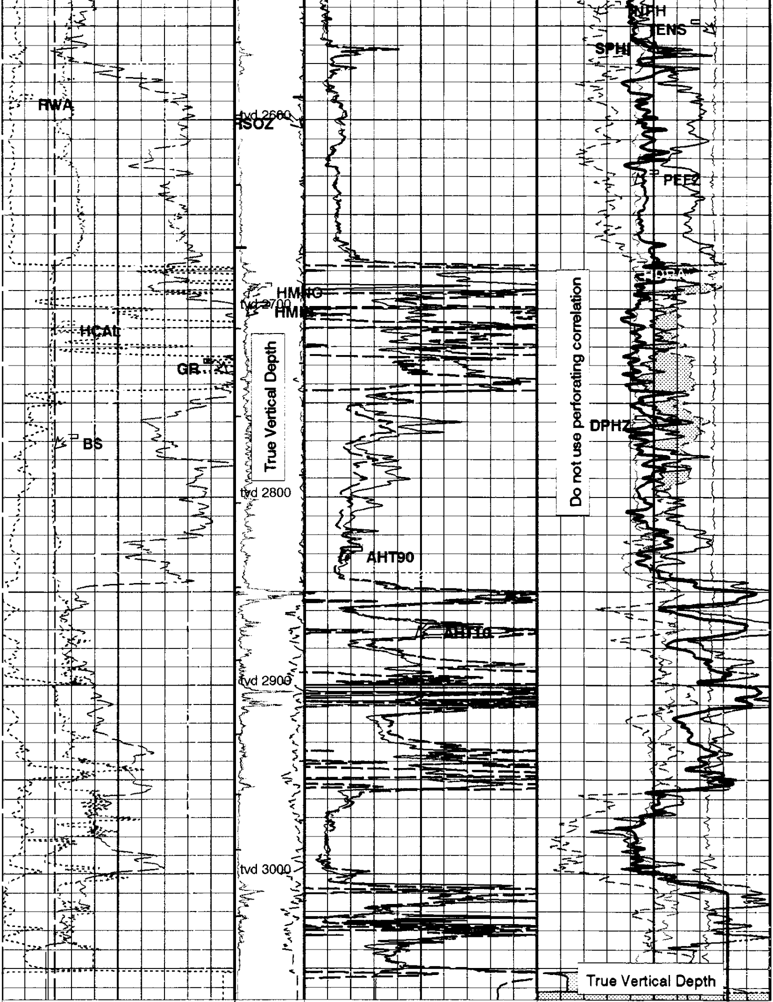
			Env.Corr.Thermal Neutron Porosity (TNPH) 1.2 (V/V) 0.6
			Env.Corr.Thermal Neutron Porosity (TNPH) 0.6 (V/V) 0
			Crossover
	Micro Normal Resistivity (HMNO) (OHMM) 0 30		Tension (TENS) 10000 (LBF) 0
RWA (RWA) 0 (OHMM) 3	Micro Inverse Resistivity (HMIN) (OHMM) 0 30		Sonic Porosity (SPHI) 0.6 (V/V) 0
Caliper (HCAL) 4 (IN) 14	Resistivity standoff (RSOZ) 2 (IN) 0	AIT-H 90 Inch Investigation (AHT90) 0 (OHMM) 20	Formation Pe (PEFZ) -1 (----) 9
Bit Size (BS) 4 (IN) 14			Std Res Density Porosity (DPHZ) 1.2 (V/V) 0.6
Gamma Ray (GR) 0 (GAPI) 150	Perm Indicator	AIT-H 10 Inch Investigation (AHT10) 0 (OHMM) 20	Std Res Density Porosity (DPHZ) 0.6 (V/V) 0











Do not use perforating correlation

Gamma Ray (GR) 0 (GAPI) 150	Perm Indicator	AIT-H 10 Inch Investigation (AHT10) 0 (OHMM) 20	Std Res Density Porosity (DPHZ) 0.6 (V/V) 0
Bit Size (BS) 4 (IN) 14			Std Res Density Porosity (DPHZ) 1.2 (V/V) 0.6
Caliper (HCAL) 4 (IN) 14	Resistivity standoff (RSOZ) 2 (IN) 0	AIT-H 90 Inch Investigation (AHT90) 0 (OHMM) 20	Formation Pe (PEFZ) -1 (----) 9

RWA (RWA)
0 (OHMM) 3

Micro Inverse Resistivity (HMIN) (OHMM)
0 30

Sonic Porosity (SPHI)
0.6 (V/V) 0

Micro Normal Resistivity (HMNO) (OHMM)
0 30

Tension (TENS)
10000 (LBF) 0

Crossover

Env.Corr.Thermal Neutron Porosity (TNPH)
0.6 (V/V) 0

Env.Corr.Thermal Neutron Porosity (TNPH)
1.2 (V/V) 0.6

PIP SUMMARY

⊢ Integrated Hole Volume Minor Pip Every 10 F3
⊢ Integrated Hole Volume Major Pip Every 100 F3
⊣ Integrated Cement Volume Minor Pip Every 10 F3
⊣ Integrated Cement Volume Major Pip Every 100 F3

■ Time Mark Every 60 S

AIT-H Answer Product Processing Summary. Data taken with tool # 277 (AHTNO)
...Acquired data from HILT/HAIT

***** Bhole Correction *****

Effective Mud Resistivity computed. Borehole diameter taken as input (see GCSE parameter)
Tool is run in ECCENTERED mode with a tool stand-off of 0.50 IN. Bit Size is 6.25 IN.

***** Input Selections to AIT Answer Product processing *****

Caliper (GCSE): HCAL Mud Resistivity (GRSE): AHMF Temperature (GTSE): LINEAR_ESTIMATE Porosity (FPHI): DPHZ

***** Other parameters used by AIT-H/SAIT Answer Product processing *****

Surface Hole Temperature (SHT)	68.000 DEGF	Bottom Temperature (BHT)	101.000 DEGF
Total Depth (TD)	3254.000 FT		
Form Factor Exponent (FEXP)	2.000	Form Factor Numerator (FNUM)	1.000
Mud Filtrate Sample Resistivity (RMFS)	0.920 OHMM	Mud Filtrate Sample Temperature (MFST)	73.000 DEGF
Resitivity Connate Water (RW)	1.000 OHMM		

***** AIT-H/SAIT Answer Product processing control parameters *****

Playback Mode: OFF

Parameters

DLIS Name	Description	Value	
AHBHM	AIT-H Bhole Correction Mode	0_ComputeMudResistivity	
AHBLM	AIT-H Basic Logs Mode	6_One_Two_and_Four	
AHBPO	AIT-H Basic Logs Processing Option	Standard_Processing	
AHCDE	AIT-H Casing Detection Enable	Yes	
AHCEN	AIT-H Tool Centering Flag (in Borehole)	Eccentered	
AHCSED	AIT-H Casing Shoe Estimated Depth	-50000	FT
AHMRF	AIT-H Mud Resistivity Factor	1	
AHSTA	AIT-H Tool Standoff	0.5	IN
ALTDPCHAN	Alternate depth channel name	TVDE	
ARTS	AIT Rt Selection (for ALLRES computation)	13_AHT90	
BHFL	Borehole Fluid Type	WATER	
BHS	Bore Hole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	101	DEGF
BS	Bit Size	6.250	IN
BSAL	Borehole Salinity	3600.00	PPM
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
CDTS	C-Delta-T Shale	100	US/F
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	0.00	LB/F
DFD	Drilling Fluid Density	9.40	LB/G
DHC	Density Hole Correction	BS	

DO	Depth Offset	0.0	FT
DTF	Delta-T Fluid	189	US/F
DTM	Delta-T Matrix	56	US/F
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FPHI	Form Factor Porosity Source	DPHZ	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCM	HILT Speed Correction Mode	TSCD_SPEED_CORRECTION	
HSCO	Hole Size Correction Option	YES	
HSTI	STI Uses HILT Acceleration	YES	
MATR	Rock Matrix Type	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.65	G/C3
MPOF	MCFL Processing Operation Mode	ON	
MST	Mud Sample Temperature	84.00	DEGF
MWCO	Mud Weight Correction Option	NO	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	StdRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PBVSADP	Alternate depth channel playback enabled	YES	
PP	Playback Processing	OFF	
PTCO	Pressure/Temperature Correction Option	NO	
RMFS	Resistivity of Mud Filtrate Sample	0.9200	OHMM
RTCO	RTCO - Rt Invasion Correction	YES	
RW	Resistivity of Connate Water	1.0000	OHMM
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	NO	
SPDR	SP Drift	0.008	MV/F
SPFS	Sonic Porosity Formula	RAYMER_HUNT	
SPNV	SP Next Value	-10	MV
SPSO	Sonic Porosity Source	DT	
SPVD	TVD of Starting Point	0	FT
TD	Total Depth	3254	FT
TDL	Total Depth - Logger	3158.00	FT
TIMD	Along-hole depth of Tie-in Point	538	FT
TIVD	TVD of Tie-in Point	537.96	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: S2 Vertical Scale: 2" per 100' Graphics File Created: 17-Jul-1999 14:05

OP System Version: 9C0-413

MCM

HILTB-DTB	OP9-KP1	DSLT-TCC	OP9-KP1
TCC-BF	9C0-413		

Speed Corrected - Depth Matched LOG

Input DLIS Files

DEFAULT HILTB .031 FN:21 PRODUCER 17-Jul-1999 13:32 3168.0 FT 400.0 FT

Input DLIS Files

DEFAULT HILTB .031 FN:21 PRODUCER 17-Jul-1999 13:32 3168.0 FT 400.0 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 659.77 F3

Cement Volume = 538.80 F3 (assuming 2.88 IN casing O.D.)

Computed from 3168.0 FT to 485.0 FT using data channel(s) HCAL

OP System Version: 9C0-413

MCM

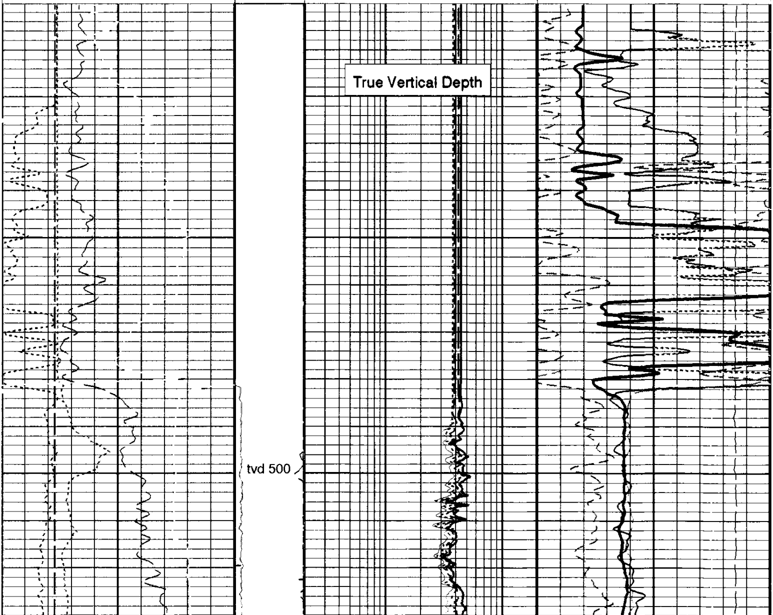
HILTB-DTB	OP9-KP1	DSLT-TCC	OP9-KP1
TCC-BF	9C0-413		

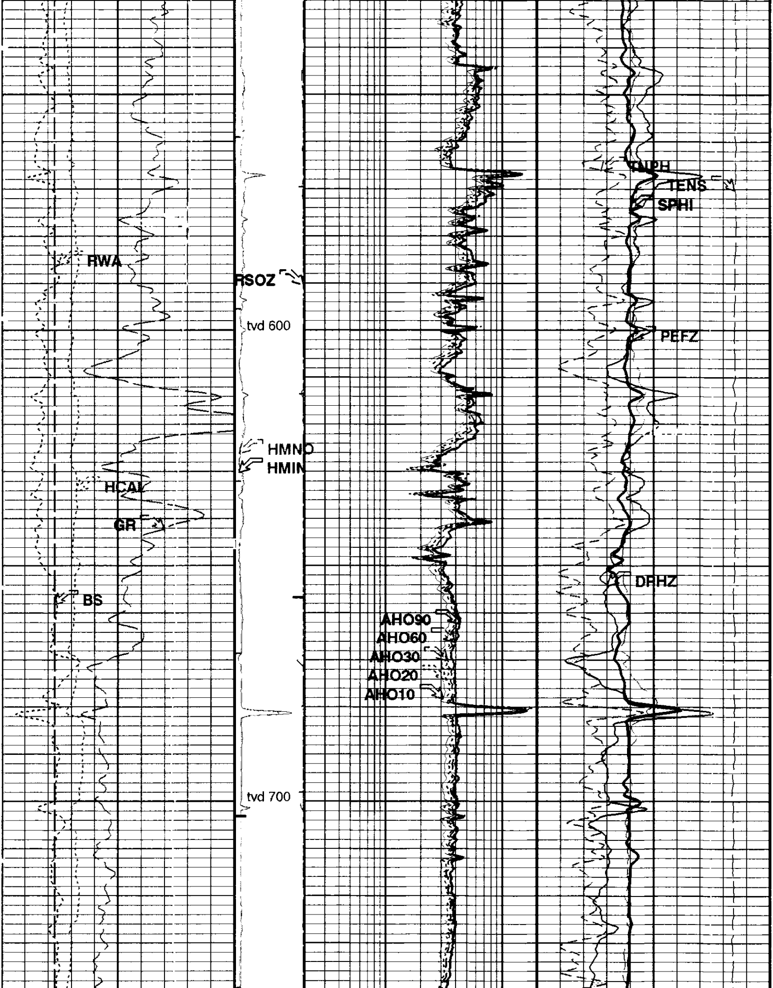
PIP SUMMARY

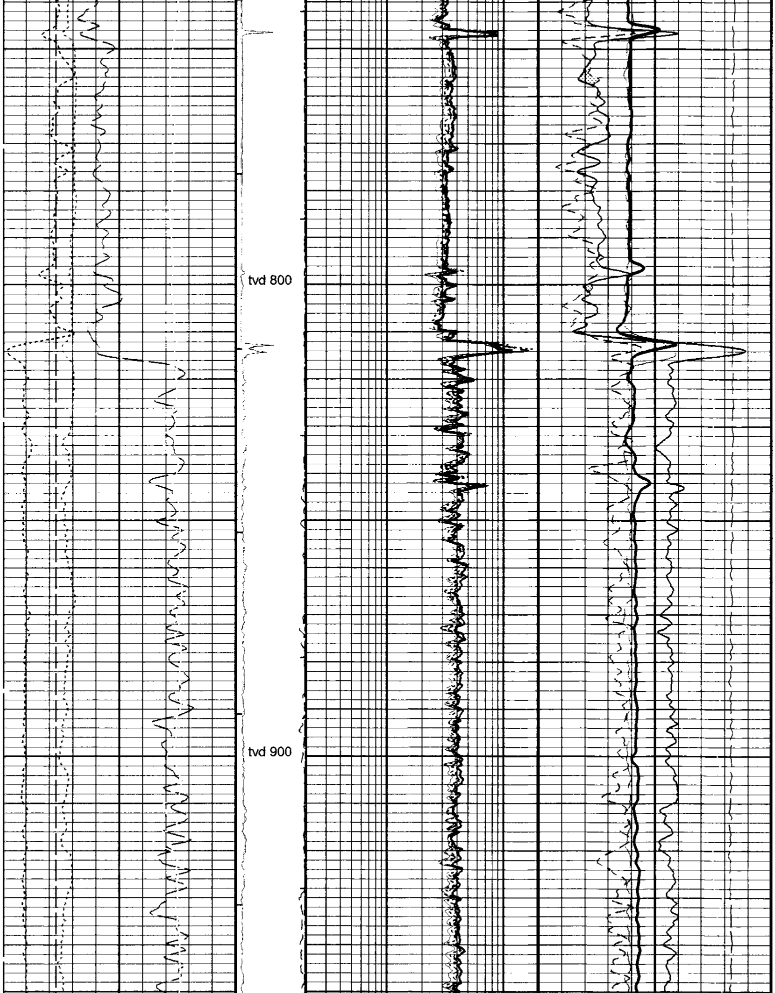
⊢ Integrated Hole Volume Minor Pip Every 10 F3
⊢ Integrated Hole Volume Major Pip Every 100 F3
⊣ Integrated Cement Volume Minor Pip Every 10 F3
⊣ Integrated Cement Volume Major Pip Every 100 F3

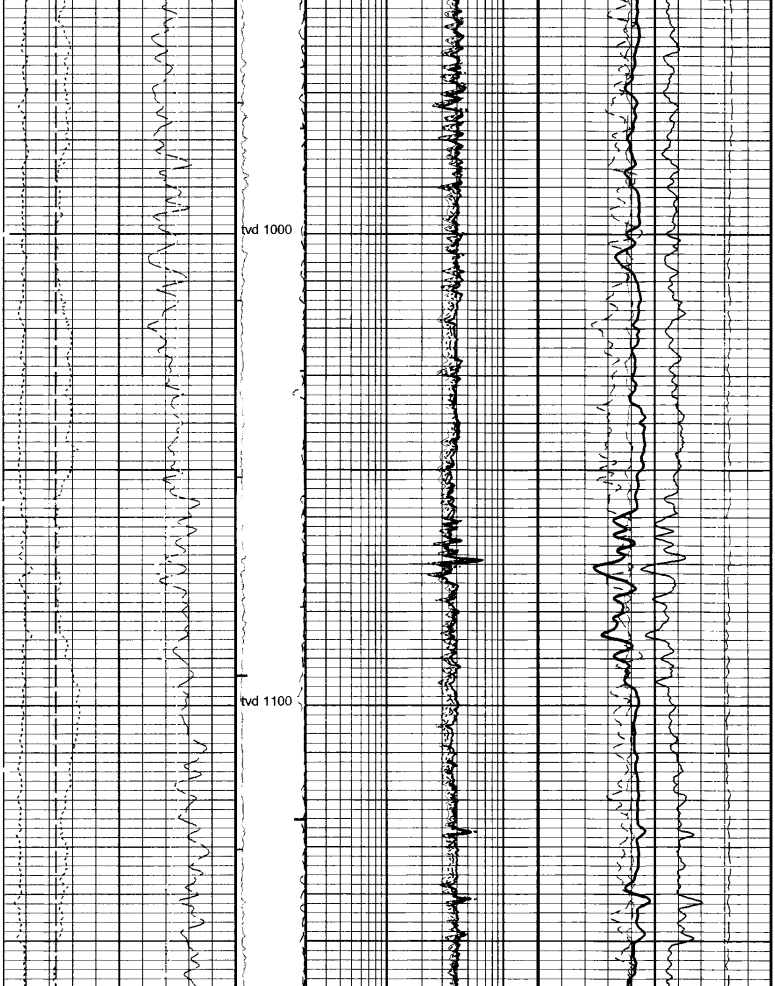
■ Time Mark Every 60 S

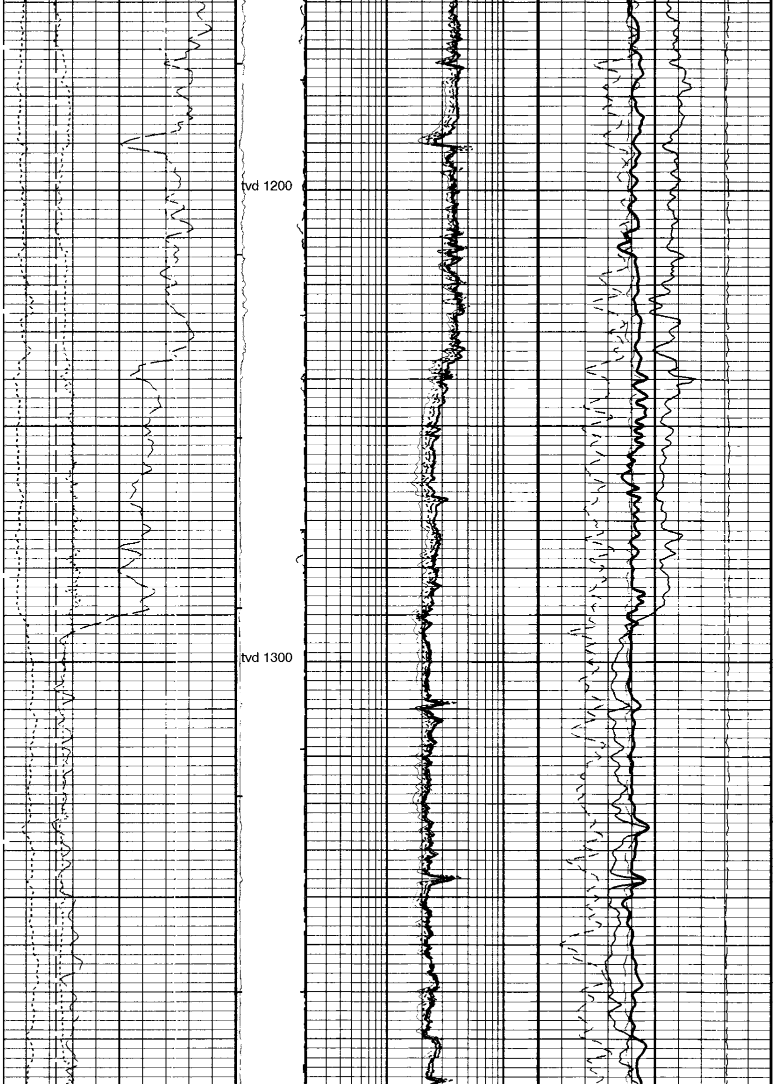
			Env.Corr.Thermal Neutron Porosity (TNPH) 1.2 (V/V) 0.6
			Env.Corr.Thermal Neutron Porosity (TNPH) 0.6 (V/V) 0
			Crossover
	Micro Normal Resistivity (HMNO) (OHMM) 0 30	AIT-H 90 Inch Investigation (AHO90) 0.2 (OHMM) 20	Tension (TENS) 10000 (LBF) 0
RWA (RWA) 0 (OHMM) 3	Micro Inverse Resistivity (HMIN) (OHMM) 0 30	AIT-H 60 Inch Investigation (AHO60) 0.2 (OHMM) 20	**Sonic Porosity (SPHI)** **0.6 (V/V) 0**
Caliper (HCAL) 4 (IN) 14	**Resistivity standoff (RSOZ)** **2 (IN) 0**	AIT-H 30 Inch Investigation (AHO30) 0.2 (OHMM) 20	Formation Pe (PEFZ) -1 (----) 9
Bit Size (BS) 4 (IN) 14		AIT-H 20 Inch Investigation (AHO20) 0.2 (OHMM) 20	Std Res Density Porosity (DPHZ) 1.2 (V/V) 0.6
Gamma Ray (GR) 0 (GAPI) 150	Perm Indicator	AIT-H 10 Inch Investigation (AHO10) 0.2 (OHMM) 20	Std Res Density Porosity (DPHZ) 0.6 (V/V) 0

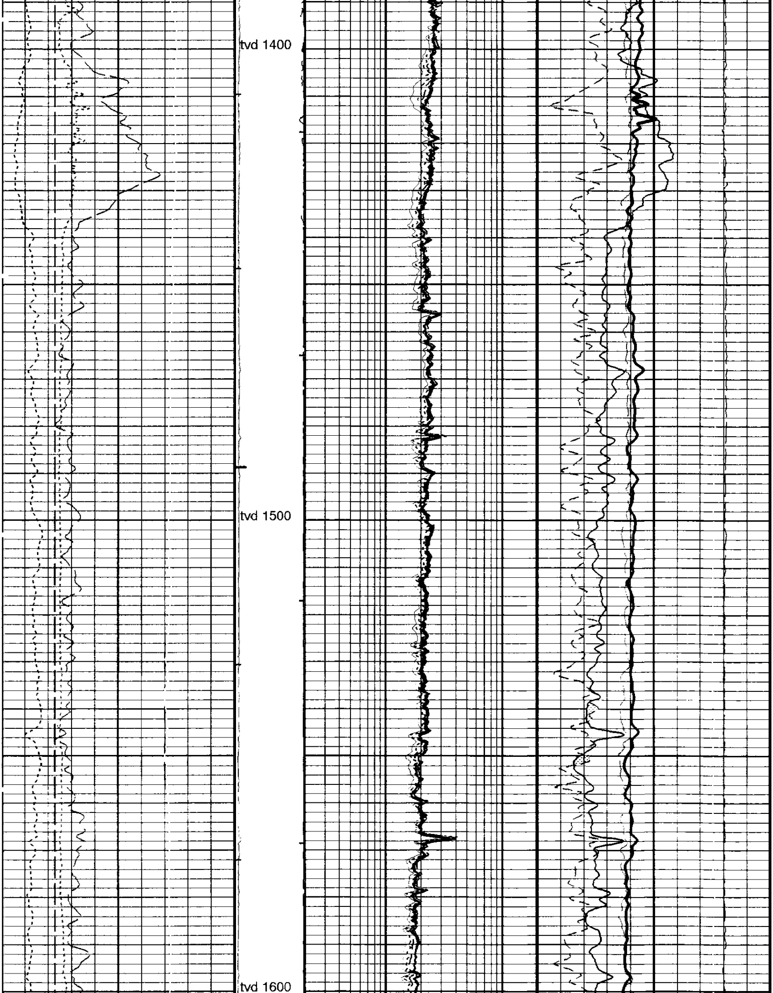


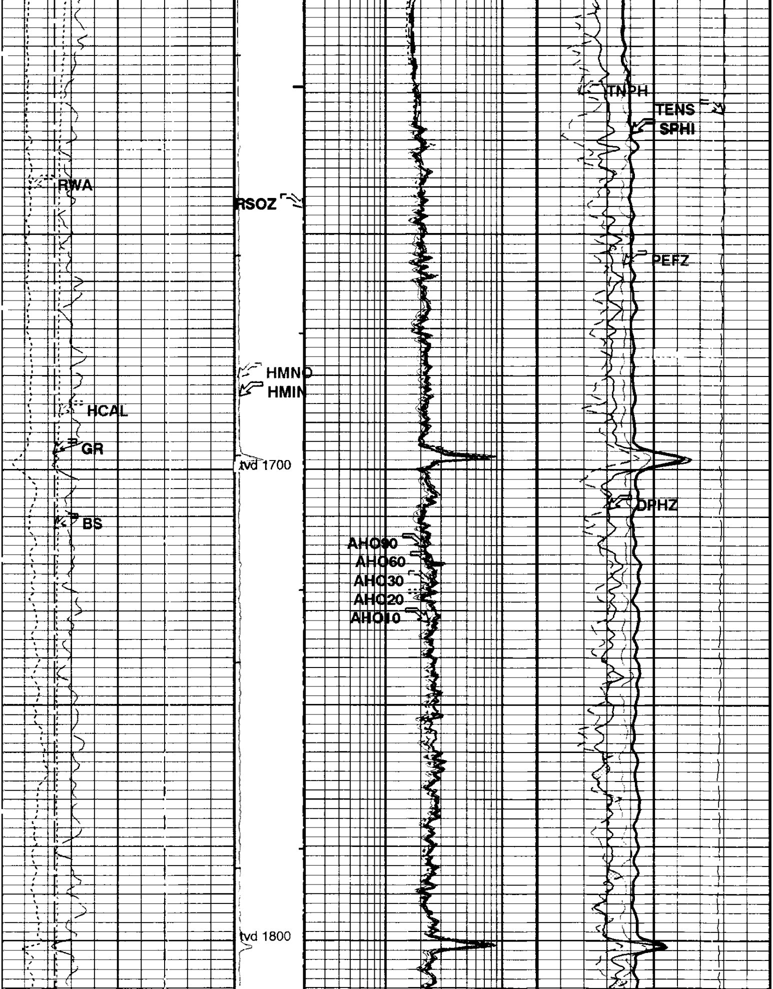


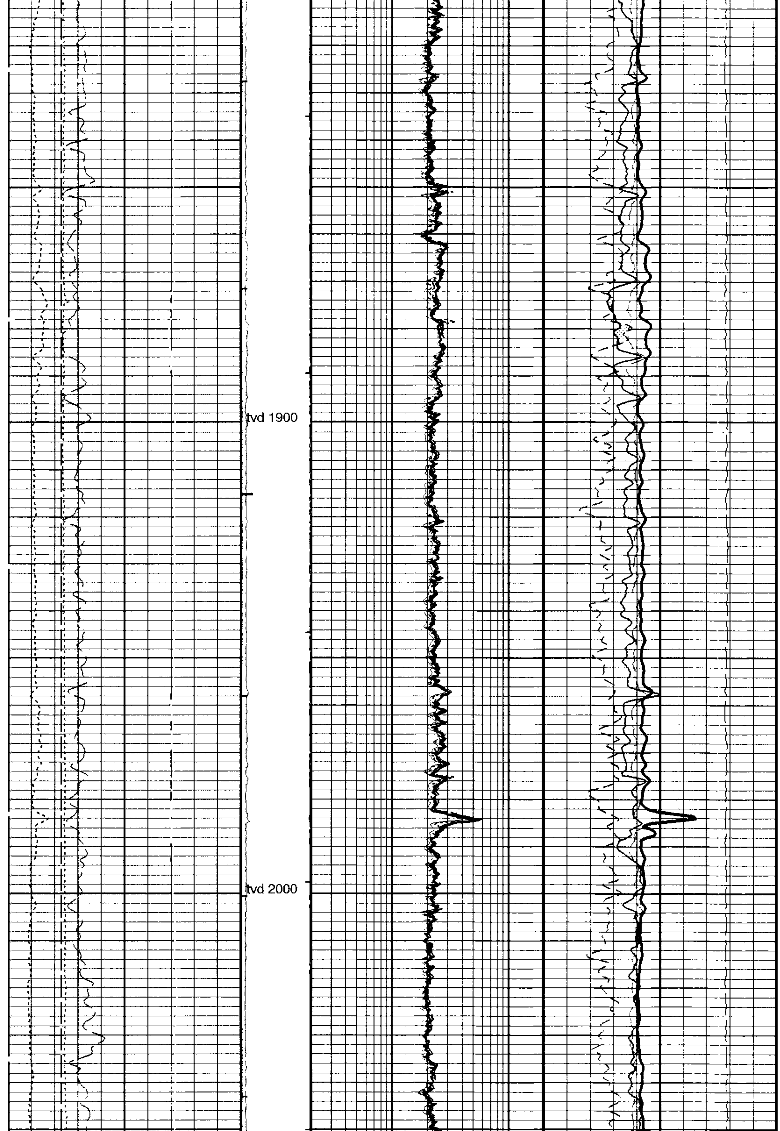


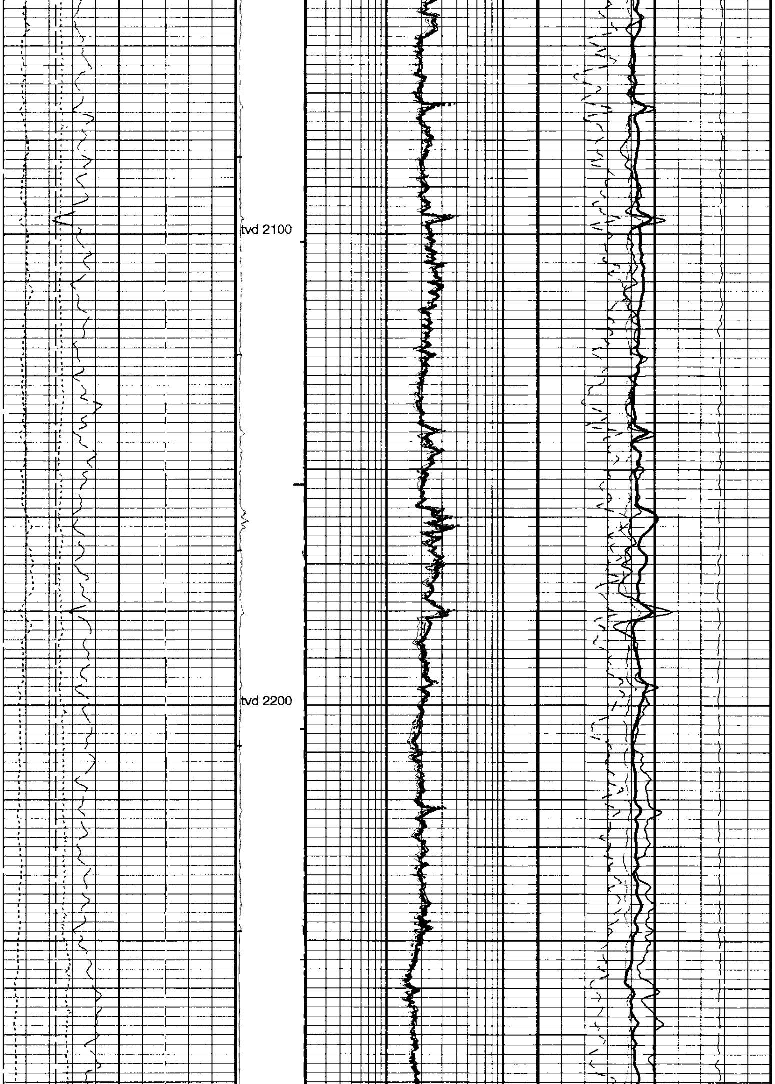


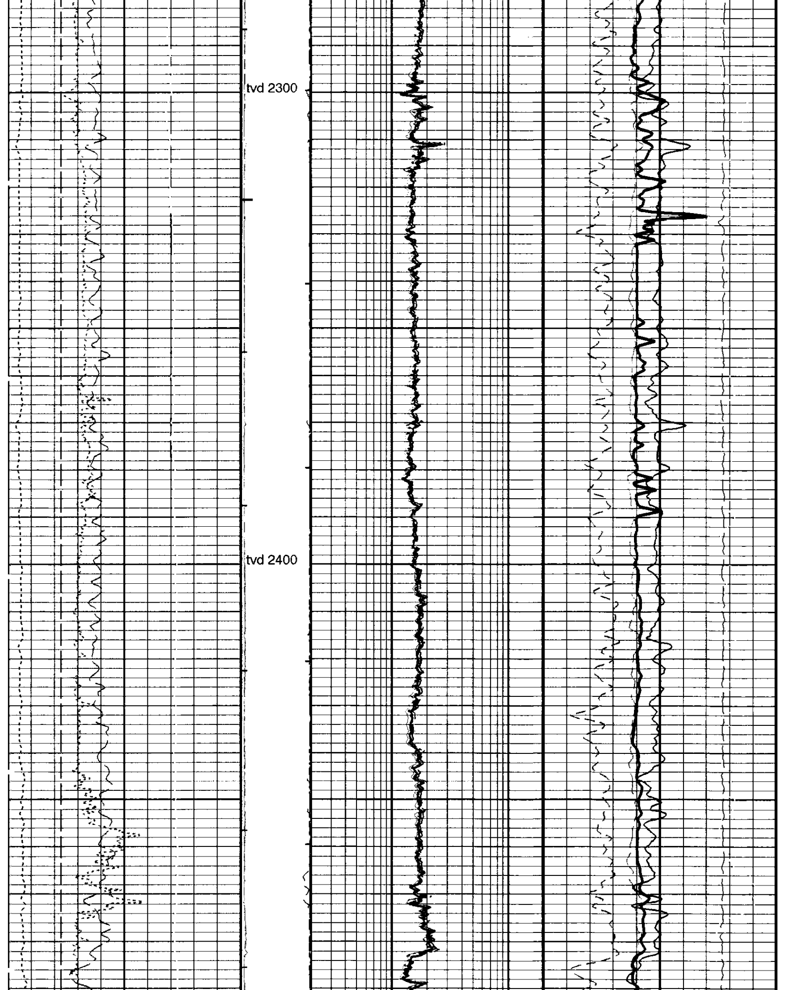


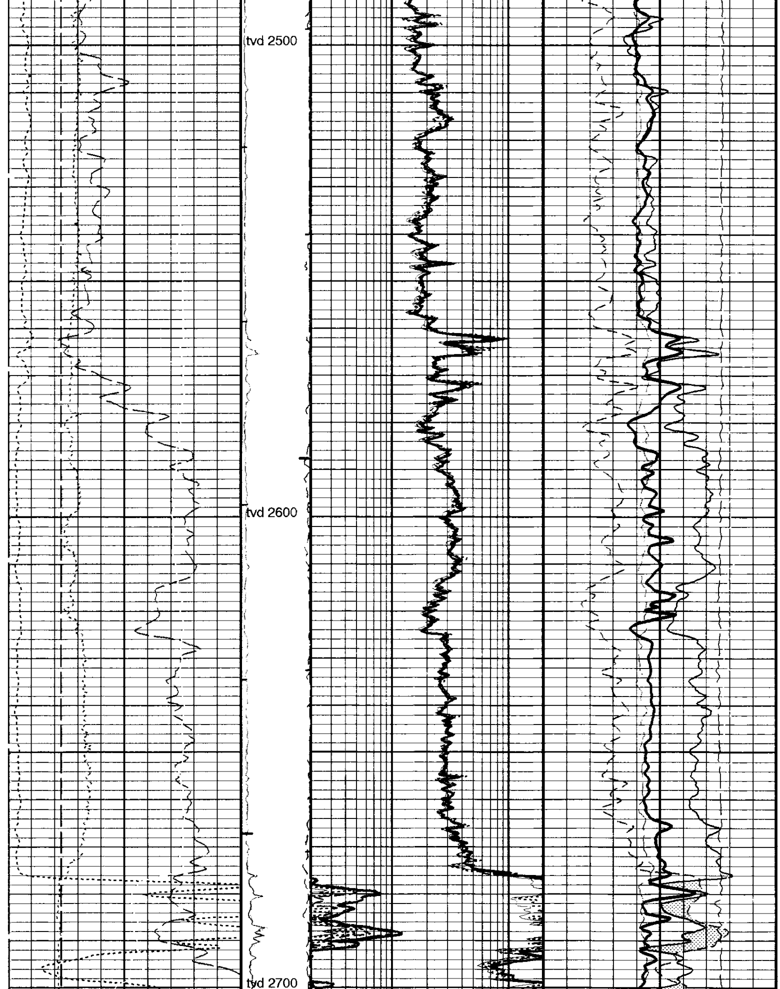


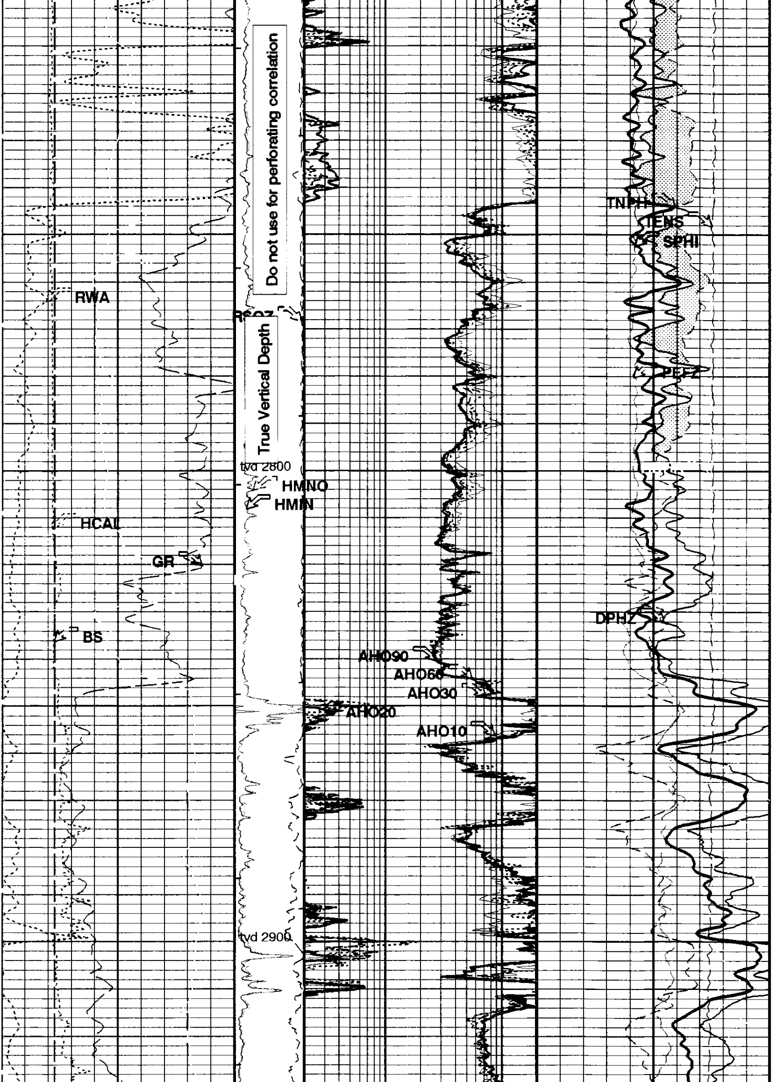


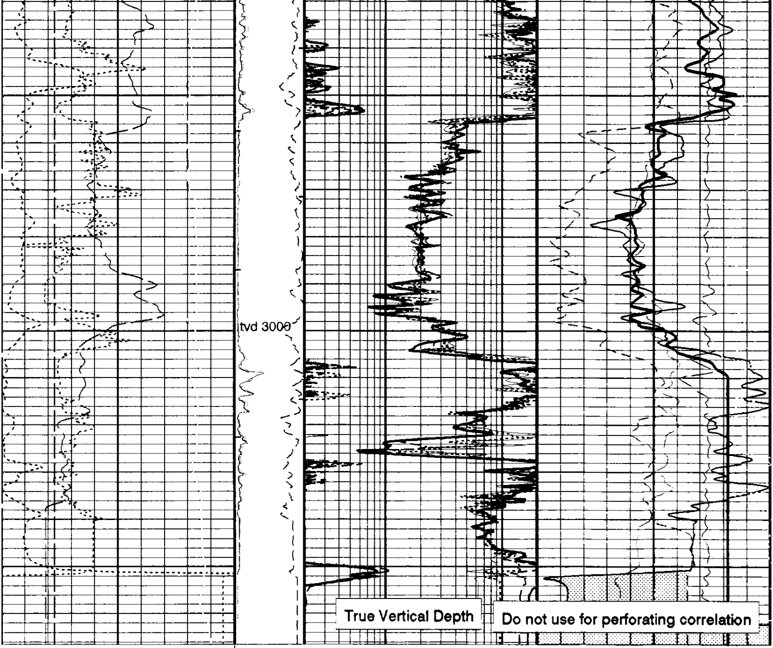












Gamma Ray (GR) 0 (GAPI) 150	Perm Indicator	AIT-H 10 Inch Investigation (AHO10) 0.2 (OHMM) 20	Std Res Density Porosity (DPHZ) 0.6 (V/V) 0
Bit Size (BS) 4 (IN) 14		AIT-H 20 Inch Investigation (AHO20) 0.2 (OHMM) 20	Std Res Density Porosity (DPHZ) 1.2 (V/V) 0.6
Caliper (HCAL) 4 (IN) 14	**Resistivity standoff (RSOZ)** 2 (IN) 0	AIT-H 30 Inch Investigation (AHO30) 0.2 (OHMM) 20	Formation Pe (PEFZ) -1 (----) 9
RWA (RWA) 0 (OHMM) 3	Micro Inverse Resistivity (HMIN) (OHMM) 0 30	AIT-H 60 Inch Investigation (AHO60) 0.2 (OHMM) 20	Sonic Porosity (SPHI) 0.6 (V/V) 0
	Micro Normal Resistivity (HMNO) (OHMM) 0 30	AIT-H 90 Inch Investigation (AHO90) 0.2 (OHMM) 20	Tension (TENS) 10000 (LBF) 0
			Crossover
			Env.Corr.Thermal Neutron Porosity (TNPH) 0.6 (V/V) 0
			Env.Corr.Thermal Neutron Porosity (TNPH) 1.2 (V/V) 0.6

PIP SUMMARY

⊢ Integrated Hole Volume Minor Pip Every 10 F3
⊢— Integrated Hole Volume Major Pip Every 100 F3
⊣ Integrated Cement Volume Minor Pip Every 10 F3
—⊣ Integrated Cement Volume Major Pip Every 100 F3
■ Time Mark Every 60 S

AIT-H Answer Product Processing Summary. Data taken with tool # 277 (AHTNO)
...Acquired data from HILT/HAIT

***** Bhole Correction *****

Effective Mud Resistivity computed. Borehole diameter taken as input (see GCSE parameter)

Tool is run in ECCENTERED mode with a tool stand-off of 0.50 IN. Bit Size is 6.25 IN.

***** Input Selections to AIT Answer Product processing *****

Caliper (GCSE): HCAL Mud Resistivity (GRSE): AHMF Temperature (GTSE): LINEAR_ESTIMATE Porosity (FPHI): DPHZ

***** Other parameters used by AIT-H/SAIT Answer Product processing *****

Surface Hole Temperature (SHT)	68.000 DEGF	Bottom Temperature (BHT)	101.000 DEGF
Total Depth (TD)	3254.000 FT		
Form Factor Exponent (FEXP)	2.000	Form Factor Numerator (FNUM)	1.000
Mud Filtrate Sample Resistivity (RMFS)	0.920 OHMM	Mud Filtrate Sample Temperature (MFST)	73.000 DEGF
Resitivity Connate Water (RW)	1.000 OHMM		

***** AIT-H/SAIT Answer Product processing control parameters *****

Playback Mode: OFF

Parameters

DLIS Name	Description	Value	
AHBHM	AIT-H Bhole Correction Mode	0_ComputeMudResistivity	
AHBLM	AIT-H Basic Logs Mode	6_One_Two_and_Four	
AHBPO	AIT-H Basic Logs Processing Option	Standard_Processing	
AHCDE	AIT-H Casing Detection Enable	Yes	
AHCEN	AIT-H Tool Centering Flag (in Borehole)	Eccentered	
AHCSED	AIT-H Casing Shoe Estimated Depth	-50000	FT
AHMRF	AIT-H Mud Resistivity Factor	1	
AHSTA	AIT-H Tool Standoff	0.5	IN
ALTDPCHAN	Alternate depth channel name	TVDE	
ARTS	AIT Rt Selection (for ALLRES computation)	13_AHT90	
BHFL	Borehole Fluid Type	WATER	
BHS	Bore Hole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	101	DEGF
BS	Bit Size	6.250	IN
BSAL	Borehole Salinity	3600.00	PPM
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
CDTS	C-Delta-T Shale	100	US/F
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	0.00	LB/F
DFD	Drilling Fluid Density	9.40	LB/G
DHC	Density Hole Correction	BS	
DO	Depth Offset	0.0	FT
DTF	Delta-T Fluid	189	US/F
DTM	Delta-T Matrix	56	US/F
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FPHI	Form Factor Porosity Source	DPHZ	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.01	DF/F
GRSE	Generalized Mud Resistivity Selection	AITH_RESIST	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HSCM	HILT Speed Correction Mode	TSCD_SPEED_CORRECTION	
HSCO	Hole Size Correction Option	YES	
HSTI	STI Uses HILT Acceleration	YES	
MATR	Rock Matrix Type	SANDSTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.65	G/C3
MPOF	MCFL Processing Operation Mode	ON	
MST	Mud Sample Temperature	84.00	DEGF
MWCO	Mud Weight Correction Option	NO	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	StdRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PBVSADP	Alternate depth channel playback enabled	YES	

PP	Playback Processing	OFF	
PTCO	Pressure/Temperature Correction Option	NO	
RMFS	Resistivity of Mud Filtrate Sample	0.9200	OHMM
RTCO	RTCO - Rt Invasion Correction	YES	
RW	Resistivity of Connate Water	1.0000	OHMM
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	68	DEGF
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	NO	
SPDR	SP Drift	0.008	MV/F
SPFS	Sonic Porosity Formula	RAYMER_HUNT	
SPNV	SP Next Value	-10	MV
SPSO	Sonic Porosity Source	DT	
SPVD	TVD of Starting Point	0	FT
TD	Total Depth	3254	FT
TDL	Total Depth - Logger	3158.00	FT
TIMD	Along-hole depth of Tie-in Point	538	FT
TIVD	TVD of Tie-in Point	537.96	FT
TWS	Temperature of Connate Water Sample	100.00	DEGF

Format: S5 Vertical Scale: 5" per 100' Graphics File Created: 17-Jul-1999 14:05

OP System Version: 9C0-413

MCM

HILTB-DTB	OP9-KP1	DSLT-TCC	OP9-KP1
TCC-BF	9C0-413		

Speed Corrected - Depth Matched LOG

Input DLIS Files

DEFAULT HILTB .031 FN:21 PRODUCER 17-Jul-1999 13:32 3168.0 FT 400.0 FT

Directional Survey Manually-Entered Inclinometry Summary

Tie In Point :	Measured Depth	True Vertical Depth	North Departure	East Departure
	538.00 FT	537.96 FT	0.10 FT	5.70 FT

Depth	Deviation	Azimuth	True Vertical Depth	North Departure	East Departure
538.00 FT	1.25 DEG	89.00 DEG	537.96 FT	0.10 FT	5.70 FT
630.00 FT	3.25 DEG	48.00 DEG	629.88 FT	1.57 FT	8.92 FT
692.00 FT	6.00 DEG	44.00 DEG	691.68 FT	5.06 FT	12.50 FT
755.00 FT	8.75 DEG	44.00 DEG	754.15 FT	10.87 FT	18.12 FT
819.00 FT	11.50 DEG	50.00 DEG	817.15 FT	18.52 FT	26.36 FT
883.00 FT	14.00 DEG	51.00 DEG	879.56 FT	27.50 FT	37.26 FT
945.00 FT	15.25 DEG	52.00 DEG	939.55 FT	37.25 FT	49.51 FT
1007.00 FT	15.50 DEG	55.00 DEG	999.33 FT	47.02 FT	62.73 FT
1070.00 FT	16.50 DEG	54.00 DEG	1059.89 FT	57.11 FT	76.86 FT
1163.00 FT	16.00 DEG	56.00 DEG	1149.18 FT	72.03 FT	98.18 FT
1319.00 FT	15.50 DEG	56.00 DEG	1299.32 FT	95.71 FT	133.28 FT
1475.00 FT	15.00 DEG	56.00 DEG	1449.83 FT	118.66 FT	167.30 FT
1724.00 FT	14.50 DEG	56.00 DEG	1690.62 FT	154.11 FT	219.86 FT
1913.00 FT	16.00 DEG	58.00 DEG	1872.96 FT	181.17 FT	261.56 FT
2068.00 FT	18.25 DEG	62.00 DEG	2021.08 FT	203.96 FT	301.09 FT
2256.00 FT	18.00 DEG	62.00 DEG	2199.75 FT	231.41 FT	352.73 FT
2505.00 FT	18.00 DEG	65.00 DEG	2436.56 FT	265.74 FT	421.58 FT
2670.00 FT	18.00 DEG	65.00 DEG	2593.49 FT	287.29 FT	467.79 FT
3040.00 FT	18.25 DEG	73.00 DEG	2945.13 FT	328.49 FT	575.17 FT
3229.00 FT	18.25 DEG	73.00 DEG	3124.62 FT	345.79 FT	631.77 FT

COMPANY:	Enerfin Resources Northwest	BOTTOM LOG INTERVAL	3150 ft
		SCHLUMBERGER DEPTH	3158 ft
WELL:	C.C 14-32-75 (Second Paul)	DEPTH DRILLER	3254 ft
FIELD:	Mist Gas	KELLY BUSHING	859.05 ft
COUNTY:	Columbia	DRILL FLOOR	
STATE:	Oregon	GROUND LEVEL	849.05 ft

Schlumberger

Platform Express
Array Induction/SP/ML/GR
Neutron/Densiyt/GR