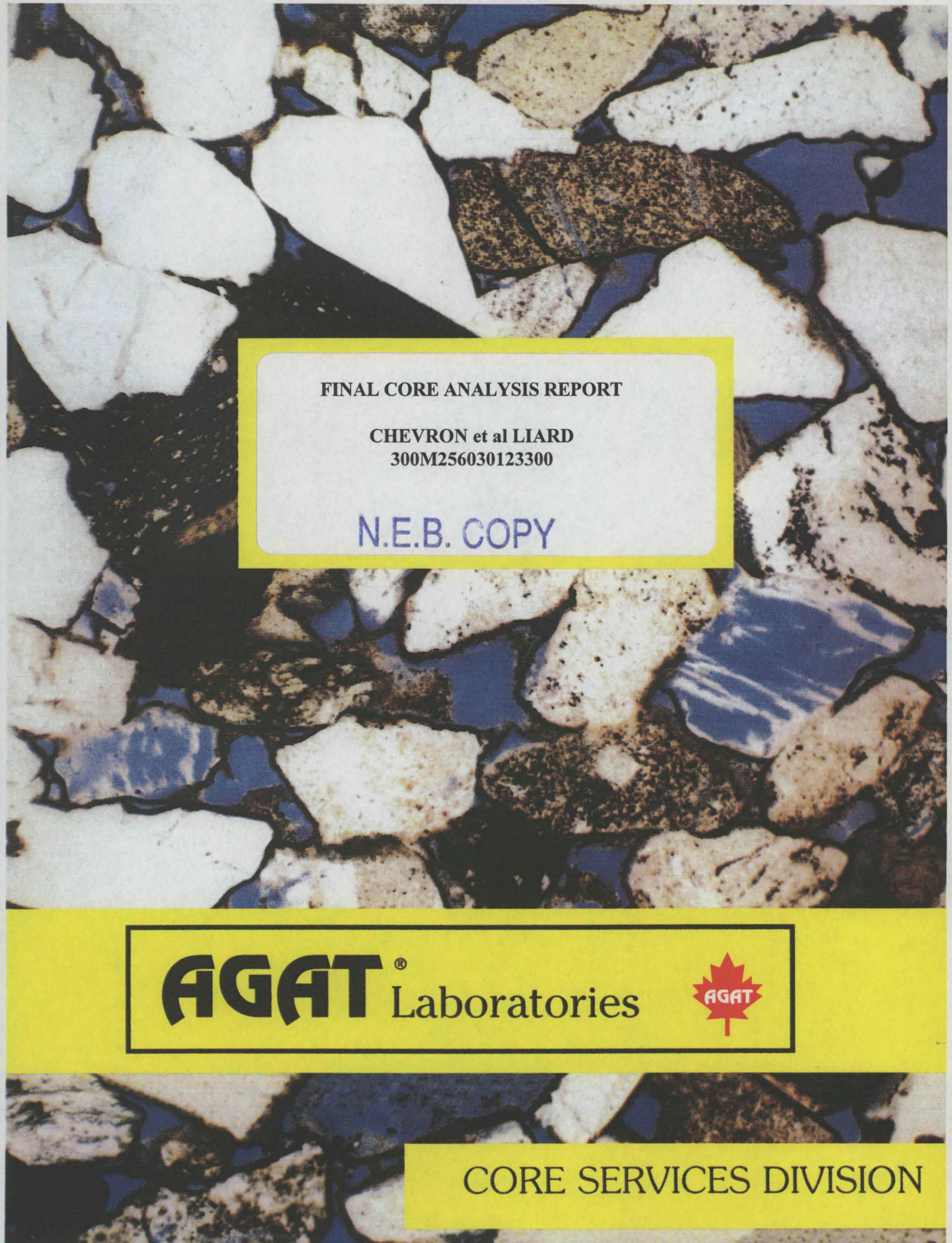

FINAL CORE ANALYSIS REPORT

CHEVRON et al LIARD
300M256030123300

AGAT® Laboratories

CORE SERVICES DIVISION

AGAT® Laboratories

FINAL CORE ANALYSIS REPORT

CHEVRON et al LIARD
300M256030123300

Prepared for:

CHEVRON CANADA RESOURCES LIMITED

RC8471

January, 2000

"In Pursuit of Excellence"

- **AIHA Accredited**
- **CAEAL Accredited**
- **Registered with APEGGA**

TABLE OF CONTENTS

CORE ANALYSIS DATA

CHEVRON et al LIARD
300M256030123300

COMPANY : CHEVRON CANADA RESOURCES LIMITED
WELL NAME : CHEVRON et al LIARD
LOCATION : 300M256030123300
FORMATION : NAHANNI
DRILLING FLUID : WATER BASE MUD

PAGE : 1
DATE : 01-13-2000
W/O No : RC8471

ROUTINE CORE ANALYSIS

Sample	interval (m) Top	interval (m) Base	Rep Thick (m)	Sample Length (m)	Gas Permeability Kmax (mD)	Gas Permeability K90 (mD)	Gas Permeability Kv (mD)	Capacity Kmax mD·m	Porosity	Capacity Ø·m	Density (Kg/m³) Bulk	Density (Kg/m³) Grain	Residual Saturation Oil	Residual Saturation Water	Remarks
			CORE NO. 1 3450.00 - 3452.00		(CUT / RECEIVED = 2.00 / 1.40 m		TOTAL BOXES = 2)								
001	3450.00	3450.36	0.36	0.06	11.7	9.79	14.5	4.21	0.034	0.012	2730	2820	-	-	dol:vf-cxln:scatvugs:vfracs
SP002	3450.36	3451.40	1.04	-	2.55	-	-	2.65	0.074	0.077	2620	2830	-	-	dol:vf-cxln:scatvugs:fracs
LC	3451.40	3452.00	0.60	-	-	-	-	-	-	-	-	-	-	-	Lost Core
			CORE NO. 2 3452.00 - 3457.20		(CUT / RECEIVED = 5.20 / 5.20 m		TOTAL BOXES = 5)								
003	3452.00	3452.43	0.43	0.07	0.94	0.46	0.26	0.40	0.021	0.009	2790	2840	-	-	dol:vf-cxln:styl:fracs
004	3452.43	3452.60	0.17	0.10	9.39	9.38	132.	1.60	0.045	0.008	2680	2810	-	-	dol:vf-cxln:styl:vfracs
005	3452.60	3452.97	0.37	0.08	133.	58.0	133.	49.2	0.037	0.014	2710	2820	-	-	dol:vf-cxln:styl:vfracs
006	3452.97	3453.20	0.23	0.13	19.2	17.2	1.68	4.42	0.039	0.009	2690	2800	-	-	dol:vf-cxln:styl:vfracs
007	3453.20	3453.46	0.26	0.07	0.80	0.77	0.61	0.21	0.011	0.003	2790	2820	-	-	dol:vf-cxln:styl:vfracs
008	3453.46	3453.93	0.47	0.10	0.52	0.18	0.22	0.24	0.009	0.004	2810	2830	-	-	dol:vf-cxln:styl:vfracs
009	3453.93	3454.22	0.29	0.12	6.73	4.52	0.98	1.95	0.015	0.004	2770	2820	-	-	dol:vf-cxln:styl:vfracs
010	3454.22	3454.59	0.37	0.13	1.77	0.50	0.47	0.65	0.012	0.004	2790	2820	-	-	dol:vf-cxln:scatvugs:styl:vfracs
011	3454.59	3455.04	0.45	0.11	6.04	5.00	0.62	2.72	0.018	0.008	2790	2840	-	-	dol:vf-cxln:scatvugs:styl:vfracs
012	3455.04	3455.31	0.27	0.14	38.2	11.7	79.0	10.3	0.017	0.005	2790	2830	-	-	dol:vf-cxln:scatvugs:vfracs
013	3455.31	3455.63	0.32	0.16	68.0	4.92	50.0	21.8	0.026	0.008	2750	2820	-	-	dol:vf-cxln:scatvugs:vfracs
014	3455.63	3455.91	0.28	0.12	7.22	0.48	26.7	2.02	0.011	0.003	2810	2840	-	-	dol:vf-cxln:vfracs
015	3455.91	3456.44	0.53	0.07	99.4	63.9	90.7	52.7	0.017	0.009	2770	2820	-	-	dol:vf-cxln:styl:vfracs
SP016	3456.44	3457.20	0.76	-	0.07	-	-	0.05	0.013	0.010	2850	2880	-	-	dol:vf-cxln:scatppvugs:anhy

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CORE ANALYSIS - QUALITY CONTROL REPORT

CORE NO. 1 3450.00 - 3452.00 (CUT / RECEIVED = 2.00 / 1.40 m TOTAL BOXES = 2)

001 3450.00 - 3450.36	
- KMax (11.7) IS LESS THAN Kv (14.5)	vertical fractures;results verified
- K90 (9.79) IS LESS THAN Kv (14.5)	vertical fractures;results verified
SP002 3450.36 - 3451.40	
- KMax (2.55) IS OUTSIDE FOUR STANDARD DEVIATIONS (357 - 12840)	results verified
LC 3451.40 - 3452.00	

CORE NO. 2 3452.00 - 3457.20 (CUT / RECEIVED = 5.20 / 5.20 m TOTAL BOXES = 5)

003 3452.00 - 3452.43	
- K90 (0.46) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.51 - 18.5)	results verified
- Kv (0.26) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.73 - 26.1)	results verified
004 3452.43 - 3452.60	
- KMax (9.39) IS OUTSIDE FOUR STANDARD DEVIATIONS (11 - 397)	vertical fractures;results verified
- K90 (9.38) IS OUTSIDE FOUR STANDARD DEVIATIONS (22.6 - 813)	vertical fractures;results verified
- KMax (9.39) IS LESS THAN Kv (132.)	vertical fractures;results verified
- K90 (9.38) IS LESS THAN Kv (132.)	vertical fractures;results verified
005 3452.60 - 3452.97	
- K90 (58.0) IS LESS THAN Kv (133.)	vertical fractures;results verified
006 3452.97 - 3453.20	
- Kv (1.68) IS OUTSIDE FOUR STANDARD DEVIATIONS (33.7 - 1210)	vertical fractures;results verified
007 3453.20 - 3453.46	

COMPANY : CHEVRON CANADA RESOURCES LIMITED
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CORE ANALYSIS - QUALITY CONTROL REPORT

008	3453.46 - 3453.93	
- K90 (0.18) IS LESS THAN Kv (0.22)		vertical fractures;results verified
009	3453.93 - 3454.22	
010	3454.22 - 3454.59	
011	3454.59 - 3455.04	
012	3455.04 - 3455.31	
- KMax (38.2) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.38 - 13.8)		vertical fractures;results verified
- K90 (11.7) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.27 - 9.82)		vertical fractures;results verified
- Kv (79.0) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.31 - 11.1)		vertical fractures;results verified
- KMax (38.2) IS LESS THAN Kv (79.0)		vertical fractures;results verified
- K90 (11.7) IS LESS THAN Kv (79.0)		vertical fractures;results verified
013	3455.31 - 3455.63	
- KMax (68.0) IS OUTSIDE FOUR STANDARD DEVIATIONS (1.13 - 40.7)		vertical fractures;results verified
- K90 (4.92) IS LESS THAN Kv (50.0)		vertical fractures;results verified
014	3455.63 - 3455.91	
- KMax (7.22) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.19 - 6.74)		vertical fractures;results verified
- Kv (26.7) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.09 - 3.09)		vertical fractures;results verified
- KMax (7.22) IS LESS THAN Kv (26.7)		vertical fractures;results verified
- K90 (0.48) IS LESS THAN Kv (26.7)		vertical fractures;results verified
015	3455.91 - 3456.44	
- KMax (99.4) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.38 - 13.8)		vertical fractures;results verified
- K90 (63.9) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.27 - 9.82)		vertical fractures;results verified
- Kv (90.7) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.31 - 11.1)		vertical fractures;results verified
- K90 (63.9) IS LESS THAN Kv (90.7)		vertical fractures;results verified
SP016	3456.44 - 3457.20	
- KMax (0.07) IS OUTSIDE FOUR STANDARD DEVIATIONS (0.24 - 8.56)		results verified

Approved : _____ 01-13-2000

Quality Control Supervisor Date

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COMPANY : CHEVRON CANADA RESOURCES LIMITED
WELL NAME : CHEVRON et al LIARD
LOCATION : 300M256030123300
FORMATION : NAHANNI
DRILLING FLUID : WATER BASE MUD

DATE : 01-13-2000
W/O No : RC8471

CALCULATED DATA REPORT

Sample	interval (m) Top	Base	Rep Thick (m)	Rep Cuml. (m)	Porosity	Porosity * Rep. Ø·m	Thickness Cuml.	Wt. Avg. Porosity (Arith.)	Kmax (mD)	Kmax * Rep mD·m	Thickness Cuml.	Wt.Avg Kmax (Arith.)
CORE NO. 1 3450.00 - 3452.00 (CUT / RECEIVED = 2.00 / 1.40 m TOTAL BOXES = 2)												
001	3450.00	3450.36	0.36	0.36	0.034	0.012	0.012	0.033	11.7	4.21	4.21	11.7
SP002	3450.36	3451.40	1.04	1.40	0.074	0.077	0.089	0.064	2.55	2.65	6.86	4.90
LC	3451.40	3452.00	0.60	-	-	-	-	-	-	-	-	-
CORE NO. 2 3452.00 - 3457.20 (CUT / RECEIVED = 5.20 / 5.20 m TOTAL BOXES = 5)												
003	3452.00	3452.43	0.43	1.83	0.021	0.009	0.098	0.054	0.94	0.40	7.27	3.97
004	3452.43	3452.60	0.17	2.00	0.045	0.008	0.106	0.053	9.39	1.60	8.86	4.43
005	3452.60	3452.97	0.37	2.37	0.037	0.014	0.120	0.051	133.	49.2	58.1	24.5
006	3452.97	3453.20	0.23	2.60	0.039	0.009	0.129	0.050	19.2	4.42	62.5	24.0
007	3453.20	3453.46	0.26	2.86	0.011	0.003	0.132	0.046	0.80	0.21	62.7	21.9
008	3453.46	3453.93	0.47	3.33	0.009	0.004	0.136	0.041	0.52	0.24	62.9	18.9
009	3453.93	3454.22	0.29	3.62	0.015	0.004	0.140	0.039	6.73	1.95	64.9	17.9
010	3454.22	3454.59	0.37	3.99	0.012	0.004	0.144	0.036	1.77	0.65	65.5	16.4
011	3454.59	3455.04	0.45	4.44	0.018	0.008	0.152	0.034	6.04	2.72	68.3	15.4
012	3455.04	3455.31	0.27	4.71	0.017	0.005	0.157	0.033	38.2	10.3	78.6	16.7
013	3455.31	3455.63	0.32	5.03	0.026	0.008	0.165	0.033	68.0	21.8	100.	19.9
014	3455.63	3455.91	0.28	5.31	0.011	0.003	0.168	0.032	7.22	2.02	102.	19.3

COMPANY : CHEVRON CANADA RESOURCES LIMITED
WELL NAME : CHEVRON et al LIARD
LOCATION : 300M256030123300
FORMATION : NAHANNI
DRILLING FLUID : WATER BASE MUD

DATE : 01-13-2000
W/O No : RC8471

CALCULATED DATA REPORT

Sample	interval (m) Top	Base	Rep Thick (m)	Rep Cuml. (m)	Porosity	Porosity * Rep. Ø·m	Thickness Cuml.	Wt. Avg. Porosity (Arith.)	Kmax (mD)	Kmax * Rep mD·m	Thickness Cuml.	Wt.Avg Kmax (Arith.)
015	3455.91	3456.44	0.53	5.84	0.017	0.009	0.177	0.030	99.4	52.7	155.	26.5
SP016	3456.44	3457.20	0.76	6.60	0.013	0.010	0.187	0.028	0.07	0.05	155.	23.5

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COMPANY : CHEVRON CANADA RESOURCES LIMITED
WELL NAME : CHEVRON et al LIARD
LOCATION : 300M256030123300
FORMATION : NAHANNI
DRILLING FLUID : WATER BASE MUD

DATE : 01-13-2000
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STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

GROUPING BY POROSITY RANGES

Porosity Range		Samples In Range	Samples Cuml.	Metres In Range	Metres Cuml.	Wt. Avg. Porosity (Arith.)	Wt. Avg. Kmax (Arith.)	Wt. Avg. Kmax Geom	Frequency % In Rng	Frequency % Cuml.
0.001 -	0.0190	9	9	3.68	3.68	0.014	19.3	2.36	57.77	57.77
0.020 -	0.0390	4	13	1.48	5.16	0.029	51.1	15.1	23.23	81.00
0.040 -	0.0599	1	14	0.17	5.33	0.045	9.39	9.39	2.67	83.67
0.060 -	0.0799	1	15	1.04	6.37	0.074	2.55	2.55	16.33	100.00

COMPANY : CHEVRON CANADA RESOURCES LIMITED
WELL NAME : CHEVRON et al LIARD
LOCATION : 300M256030123300
FORMATION : NAHANNI
DRILLING FLUID : WATER BASE MUD

DATE : 01-13-2000
W/O No : RC8471

STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

GROUPING BY PERMEABILITY RANGES

Permeability Range		Samples		Metres		Wt. Avg. Porosity	Wt. Avg. Kmax		Frequency %	
		In Range	Cuml.	In Range	Cuml.	(Arith.)	(Arith.)	Geom	In Rng	Cuml.
0.040 -	0.0790	1	1	0.76	0.76	0.013	0.07	0.07	11.52	11.52
0.320 -	0.6390	1	2	0.47	1.23	0.009	0.52	0.52	7.12	18.64
0.640 -	1.2490	2	4	0.69	1.92	0.017	0.89	0.88	10.45	29.09
1.250 -	2.4990	1	5	0.37	2.29	0.012	1.77	1.77	5.61	34.70
2.500 -	4.9990	1	6	1.04	3.33	0.074	2.55	2.55	15.76	50.45
5.000 -	9.9990	4	10	1.19	4.52	0.019	6.96	6.89	18.03	68.48
10.000 -	19.9990	2	12	0.59	5.11	0.036	14.6	14.2	8.94	77.42
20.000 -	39.9990	1	13	0.27	5.38	0.017	38.2	38.2	4.09	81.52
40.000 -	79.9990	1	14	0.32	5.70	0.026	68.0	67.9	4.85	86.36
80.000 -	159.9990	2	16	0.90	6.60	0.025	113.	112.	13.64	100.00

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STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

POROSITY-METRES OF STORAGE CAPACITY LOST FOR SELECTED POROSITY CUT OFF

Porosity Cut off	Metres Lost	Metres Remaining	Capacity Lost Por-Metres	Capacity Lost %	Capacity Remaining Por-Metres	Capacity Remaining %	Wt. Avg. Arith. Mean	Wt. Avg. Arith. Median
-	0.00	6.60	-	0.00	0.187	100.00	0.028	
0.020	3.68	2.92	0.051	26.97	0.137	73.03	0.047	
0.040	5.39	1.21	0.103	54.85	0.085	45.15	0.070	
0.060	5.56	1.04	0.110	58.93	0.077	41.07	0.074	
0.080	6.60	0.00	0.187	100.00	-	0.00	0.00	

Total Storage Capacity in Porosity-Metres = 0.187

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DATE : 01-13-2000
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STATISTICAL DATA FOR POROSITY AND PERMEABILITY HISTOGRAM

MILLIDARCY-METRES OF FLOW CAPACITY FOR SELECTED PERMEABILITY CUT OFF

Permeability Cut off	Metres Lost	Metres Remaining	Capacity Lost mD-m	Capacity Lost %	Capacity Remaining mD-m	Capacity Remaining %	Wt. Avg. Arith. Mean	Wt. Avg. Arith. Median
0.040	0.00	6.60	0.000	0.00	155.098	100.00	0.000	
0.080	0.76	5.84	0.053	0.03	155.045	99.97	0.053	
0.160	0.76	5.84	0.053	0.03	155.045	99.97	0.106	
0.320	0.76	5.84	0.053	0.03	155.045	99.97	0.160	
0.640	1.23	5.37	0.298	0.19	154.801	99.81	0.457	
1.250	1.92	4.68	0.910	0.59	154.189	99.41	1.367	
2.500	2.29	4.31	1.565	1.01	153.534	98.99	2.932	
5.000	3.33	3.27	4.217	2.72	150.882	97.28	7.148	
10.000	4.52	2.08	12.504	8.06	142.594	91.94	19.653	
20.000	5.11	1.49	21.132	13.63	133.966	86.37	40.785	
40.000	5.38	1.22	31.446	20.28	123.652	79.72	72.231	
80.000	5.70	0.90	53.206	34.30	101.892	65.70	125.438	
160.000	6.60	0.00	155.098	100.00	0.000	0.00	280.536	

Total Flow Capacity in MilliDarcy-Metres (Arithmetic) = 155.098

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COMPANY : CHEVRON CANADA RESOURCES LIMITED
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LOCATION : 300M256030123300
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PAGE : 10
DATE : 01-13-2000
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SUMMARY OF CORE DATA REPORT

PERMEABILITY RANGES, MILLIDARCY

	Total	100.00 +	10.00 - 99.99	1.00 - 9.99	0.50 - 0.99	0.10 - 0.49	0.01 - 0.09	< 0.01
Thickness (m)	6.6	0.37	1.71	2.60	1.16	0.00	0.76	0.00
Fraction of Analyzed Core		0.056	0.259	0.394	0.176	0.000	0.115	0.000
Porosity Thickness (por-m)	0.187	0.014	0.043	0.105	0.016	0.000	0.010	0.000
Permeability Thickness (mD-m)	155.1	49.21	93.38	11.59	0.86	0.00	0.05	0.00
Wt. Average Porosity	0.028	0.037	0.025	0.040	0.014	0.000	0.013	0.000
Wt. Average Permeability	23.5	133.00	54.61	4.46	0.74	0.00	0.07	0.00
Wt. Average Residual Oil	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wt. Average Residual Water	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Wt. Average (geom.) Kmax. mD for all Samples = 4.04
Wt. Average (harm.) Kmax. mD for all Samples = 0.49

AGAT Laboratories

Company :	CHEVRON CANADA RESOURCES LIMITED		
Location :	300M256030123300	FIGURE :	1
Interval :	3450.00 - 3456.80m	W/O :	RC8471
Formation :	NAHANNI	Date :	01-13-2000

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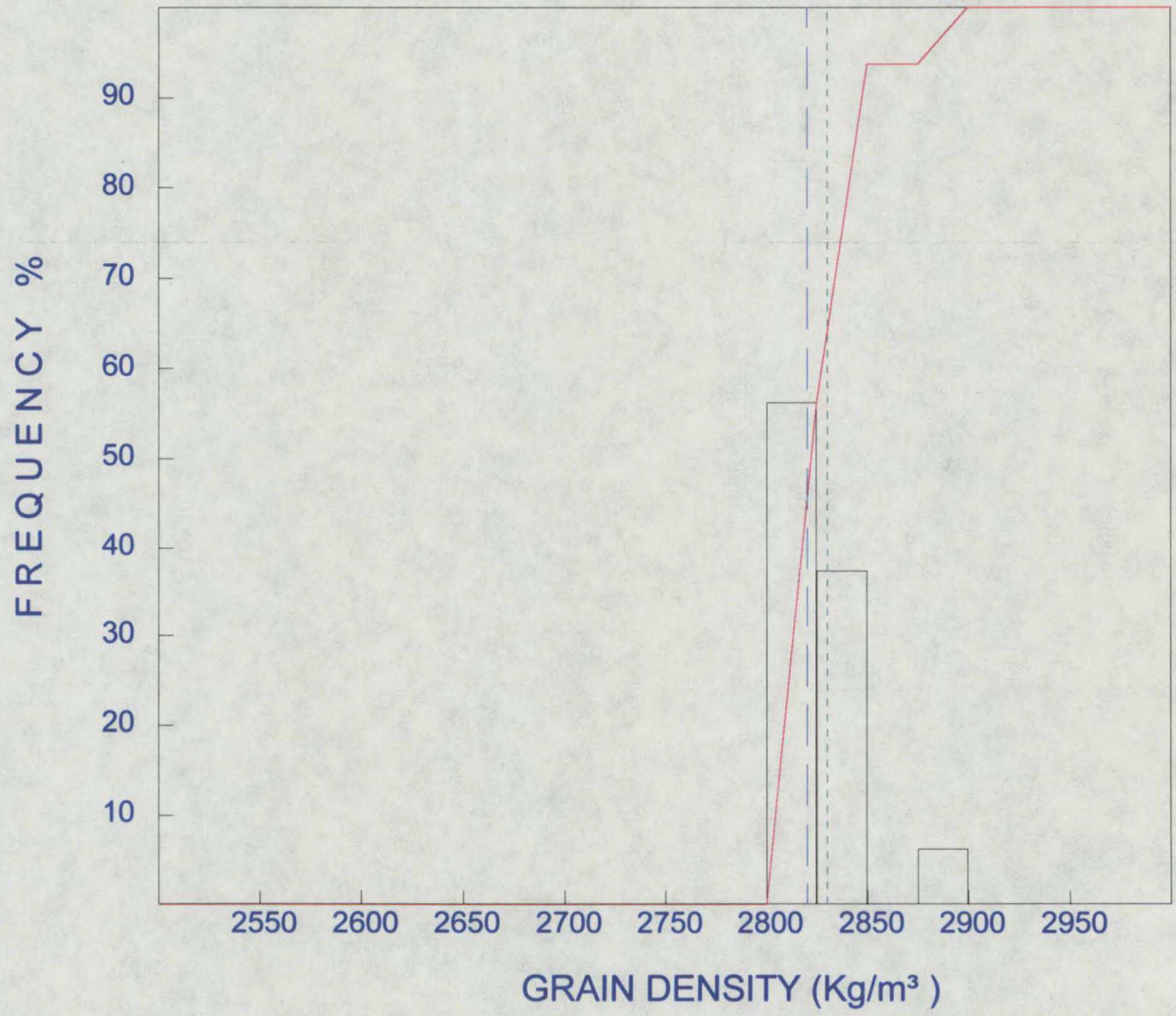
GRAIN DENSITY DISTRIBUTION

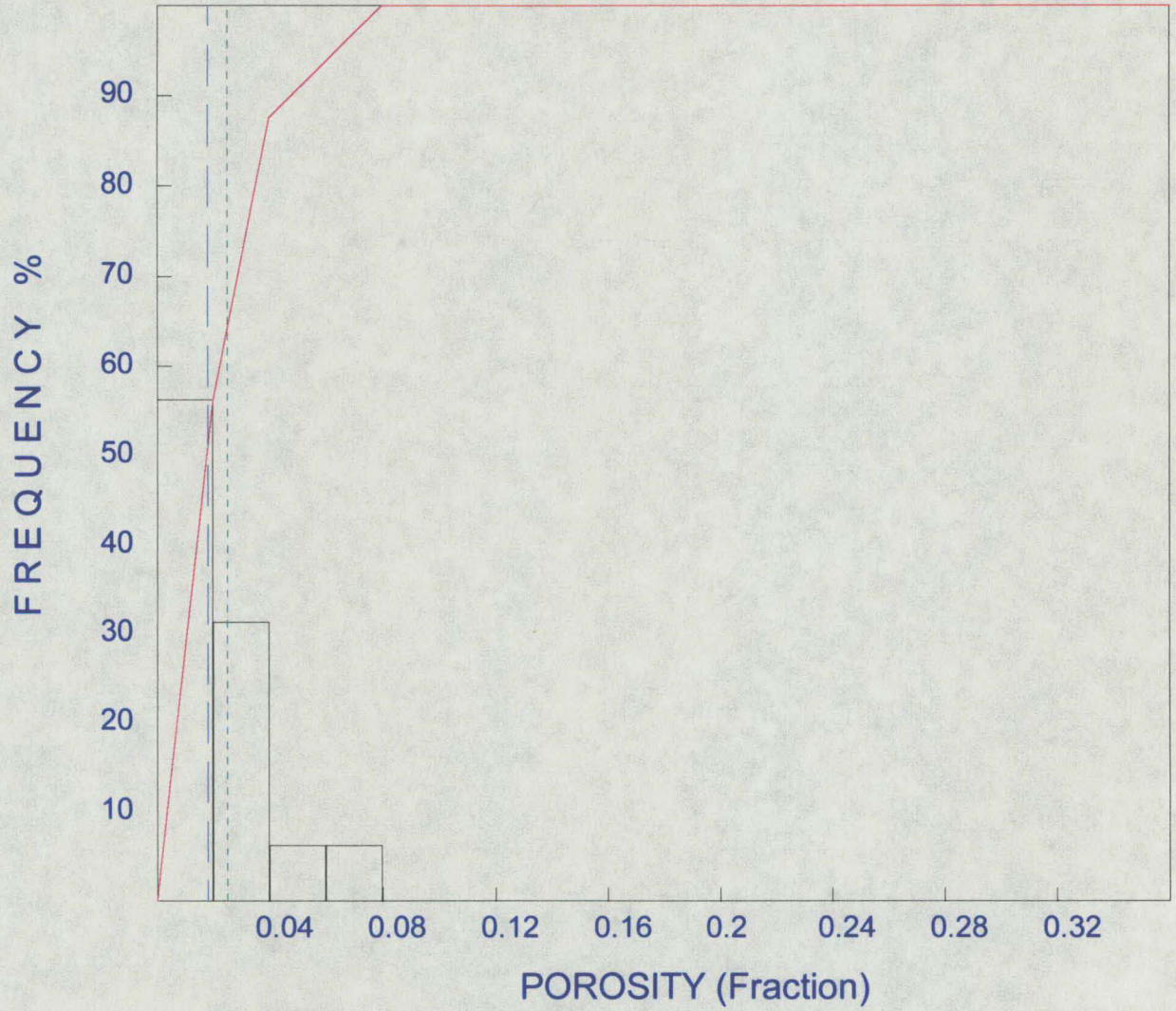


Arithmetic Mean	.....	Mean: 2830
Median	- - - - - - - - -	Median: 2820
Cum. Frequency %	———	

Company :	CHEVRON CANADA RESOURCES LIMITED		
Location :	300M256030123300	FIGURE :	2
Interval :	3450.00 - 3456.80m	W/O :	RC8471
Formation :	NAHANNI	Date :	01-13-2000

AGAT Laboratories

POROSITY DISTRIBUTION

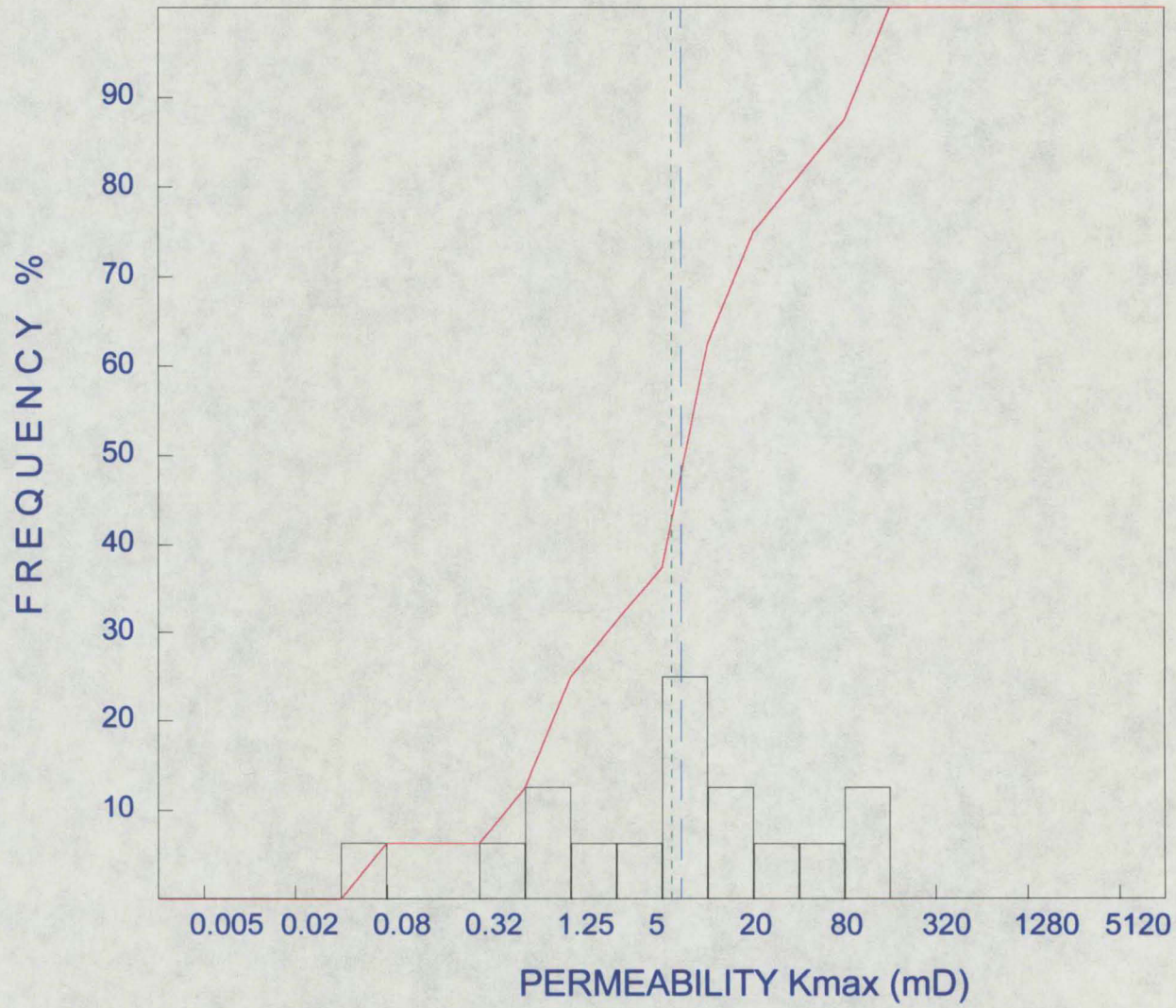


Arithmetic Mean	.....	Mean: 0.025
Median	- - - - - - - - -	Median: 0.018
Cum. Frequency %	———	

Company :	CHEVRON CANADA RESOURCES LIMITED		
Location :	300M256030123300	FIGURE :	3
Interval :	3450.00 - 3456.80m	W/O :	RC8471
Formation :	NAHANNI	Date :	01-13-2000

AGAT Laboratories

PERMEABILITY Kmax DISTRIBUTION

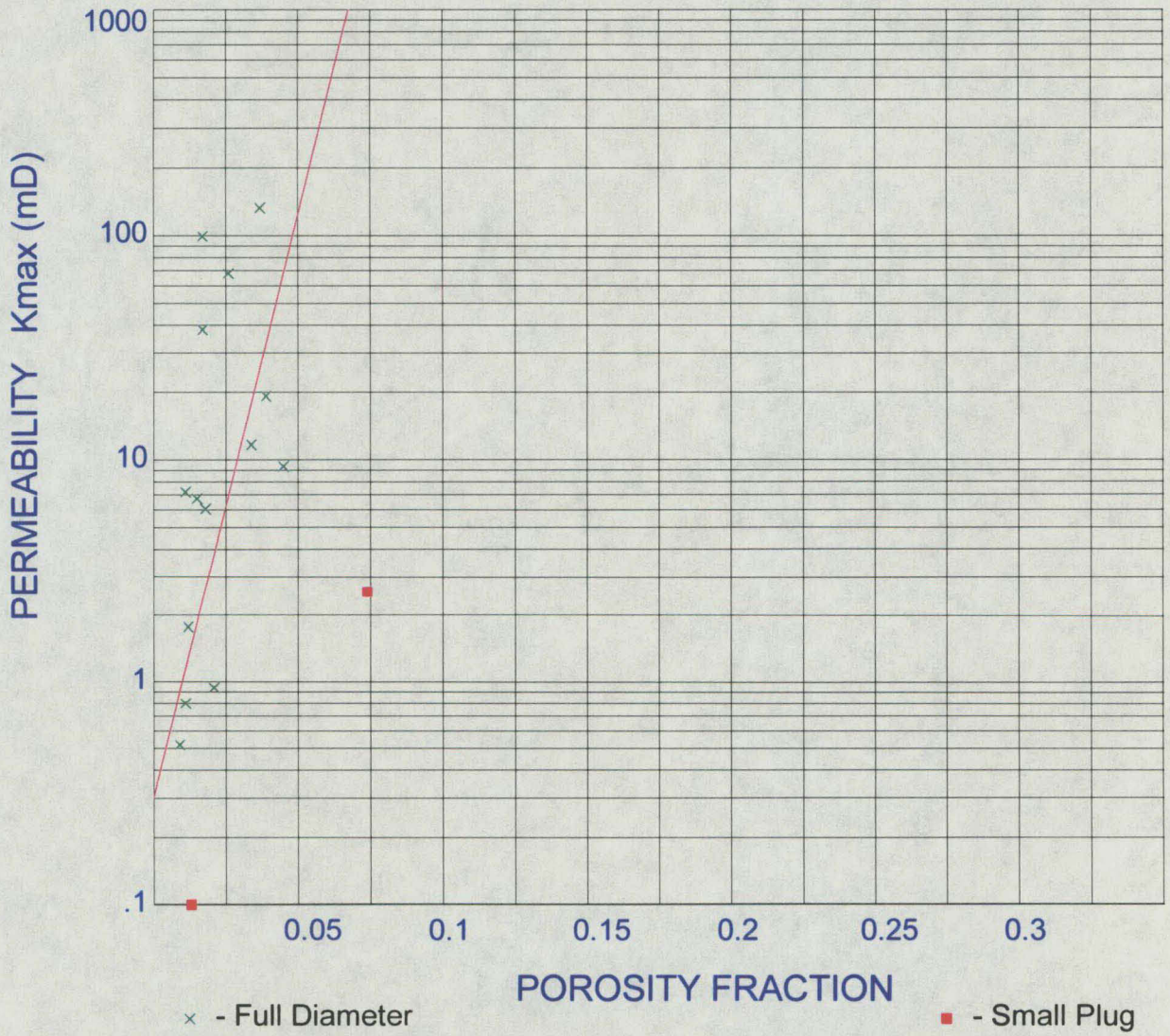


Arithmetic Mean	.....	Mean: 5.97
Median	- - - - - - - -	Median: 6.98
Cum. Frequency %	———	

Company :	CHEVRON CANADA RESOURCES LIMITED		
Location :	300M256030123300	FIGURE :	4
Interval :	3450.00 - 3456.80m	W/O :	RC8471
Formation :	NAHANNI	Date :	01-13-2000

AGAT Laboratories

POROSITY-PERMEABILITY CORRELATION



Equation of Line :	Log (Kmax) = -0.52 + 52.07* Porosity
Correlation Coefficient	r = 0.25

GENERAL LITHOLOGICAL DESCRIPTIONS

Company	: CHEVRON CANADA RESOURCES LIMITED	Date	: 01-13-2000
Well	: CHEVRON et al LIARD	W/O Number	: RC8471
Location	: 300M256030123300	Cored Interval	: 1) 3450.00-3452.00m
Formation	: NAHANNI		: 2) 3452.00-3457.20m
Drilling Fluid	: WATER BASE MUD	Recovery	: 1) 1.40m
			: 2) 5.20m

GENERAL LITHOLOGICAL DESCRIPTIONS

CORE	DEPTH INTERVAL	CORE ANALYSIS	LITHOLOGY	REMARKS
1	3450.00-3451.40	001-SP002	Dolomite	Dark grey dolomite; locally brecciated; hard; microcrystalline to coarse crystalline; locally calcareous; common oblique and vertical fractures; abundant veins/voids filled with druzy dolomite; rare oblique low amplitude stylolites at places; common organic matter; rubbly at the base. **Tight to fair intercrystalline and vuggy porosity; no oil stain or fluorescence.**
1	3451.40-3452.00	NA	LC	**Lost core**
2	3452.00-3453.20	003-006	Dolomite	Medium to dark grey; hard; microcrystalline to coarse crystalline; locally calcareous; common oblique and vertical fractures; abundant veins/voids filled with druzy dolomite; common oblique and vertical low amplitude stylolites; trace silica replaced indistinct bioclast fragments; rare dark grey chert nodules; minor coral fragments; locally rubbly. **Tight; no oil stain or fluorescence.**
2	3453.20-3455.63	007-013	Dolomite	Medium to dark grey; hard; microcrystalline to coarse crystalline; locally calcareous; very common oblique and vertical fractures; abundant veins/voids filled with druzy dolomite; common oblique and vertical low amplitude stylolites; occasional slickensides; minor coral fragments; locally rubbly. **Tight; no oil stain or fluorescence.**
2	3455.63-3457.20	014-SP016	Dolomite	Medium to dark grey; hard; microcrystalline to coarse crystalline; locally calcareous; common oblique and vertical fractures; abundant veins/voids filled with druzy dolomite; common oblique and vertical low amplitude stylolites; minor slickensides; rare indistinct bioclast fragments; locally rubbly. **Tight; no oil stain or fluorescence.**

SAMPLE HANDLING

AGAT LABORATORIES CORE SERVICES

SAMPLE HANDLING AND ANALYSIS INFORMATION

Company	: CHEVRON CANADA RESOURCES LIMITED	Coring Equipment	: Diamond	W/O Number	: RC8471
Well	: CHEVRON et al LIARD	Coring Fluid	: Water Base Mud	Date	: 01-13-2000
Location	: 300M256030123300	Core Diameter	: 0.10 m		
		Total Cored	: 7.20 m		
		Total Recovered	: 6.60 m		

HANDLING

Core Transported in	: Boxes
Cutting Solution	: Water
Cleaning Solvent	: Toluene
Extraction	: CO_2-toluene
Cleaning Time	: 48 hours
Drying Equipment	: Convection oven
Drying Time/Temp	: 48 hours @ 108°C

ANALYSIS

Grain volume measured by Boyle's Law using helium
Bulk volume measured by calipering on right-cylindrical samples
Permeability measured on .10m full diameter samples
Permeability measured on 38.10mm diameter drilled plugs
Full diameter core sandblasted Kh measurements

REMARKS

FIFTEEN (15) SETS OF COLOR PHOTOS OF CORE.

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ABBREVIATIONS

COMMON ABBREVIATIONS

abnt	Abundant
abv	Above
Alg	Algae (al)
alt	Altered (ing)
amor	Amorphous
Amph	Amphipora
ang	Angular
anhy	Anhydrite (ic)
app	Appear
apr	Apparent
aprox	Approximate (ly)
arg	Argillaceous
ark	Arkose (ic)
asph	Asphalt (ic)
AST	Assigned similar to (no actual sample taken)
apha	Aphanitic
bcm	Become (ing)
bd	Bed
bdd	Bedded
bdg	Bedding
Belm	Belemnites
bent	Bentonite (ic)
bf	Buff
biocl	Bioclastic
bioturb	Bioturbated
bit	Bitumen (inous)
bl	Blue (ish)
blk	Black
blky	Blocky
bnd	Band (ed)
Brac	Brachiopod
brec	Breccia (ted)
bri	Bright
brit	Brittle
brn	Brown
Bry	Bryozoa
bulb	Bulbous
bur	Burrowed
C	Coarse (ly)
calc	Calcite (areous)
carb	Carbonaceous
cbl	Cobble (64-256 mm)
Ceph	Cephalopod
cgl	Conglomerate
chk	Chalk (y)
chlor	Chlorite
cht	Chert
chty	Cherty
cl	Clastic
cln	Clean
clr	Clear
cly	Clay (ey)
com	Common
coq	Coquina
Cor	Coral
crbnt	Carbonate
Crin	Crinoid (al)
crm	Cream
crpxl	Cryptocrystalline
ctc	Contact
deb	Debris
decr	Decrease (ing)
desi	Desiccation
dism	Disseminated
dk	Dark (er)
dns	Dense (er)
dol	Dolomite (ic)
drsy	Drusy
dtrl	Detrital (us)
elg	Elongate
euhed	Euhedral
f	Fine (ly)
fau	Fauna
Fe	Iron-Ferruginous
Fe-mag	Feromagnesian
fenst	Fenestral
fis	Fissile
fl	Fill (ed)
fld	Feldspar (thic)
flk	Flake
flky	Flaky
flor	Fluorescence
flt	Fault (ed)
fltg	Floating
foram	Foraminifera
fos	Fossil (iferous)
fr	Fair
frac	Fracture (ed)
frag	Fragment (al)
fri	Friable
frmwk	Framework
fros	Frosted
g	Good
Gast	Gastropod
gl	Glass (y)
glau	Glauconite (ic)
gn	Green
gr	Grain (ed)
gran	Granular
grd	Grade (ed)
grnl	Granule (2-4 mm)
gy	Grey
gyp	Gypsum (iferous)

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COMMON ABBREVIATIONS (CONTINUED)

hd	Hard
hfrac	Horizontal Fracture
hi	High
hrtl	Horizontal
hvy	Heavy
hydc	Hydrocarbon
ig	Igneous
imbed	Imbedded
imp	Impression
incl	Included (sion)
incr	Increase
indst	Indistinct
intbd	Interbedded
intcl	Intraclast (s)
intfrag	Interfragmental
intgran	Intergranular
intlam	Interlaminated
intr	Intrusion (ive)
intv	Interval
intxl	Intercrystalline
ireg	Irregular
ird	Iridescent
intrsk	Intraskeletal
kao	Kaolin
lam	Laminated
lchd	Leached
len	Lentil (cular)
lith	Lithographic
lmy	Limy
lrg	Large (er)
ls	Limestone
lse	Loose
lstr	Lustre
lt	Light (er)
m	Medium
mar	Maroon
mas	Massive
mat	Material, matter
mica	Mica (ceous)
mic	Micro
mky	Milky
mnr	Minor
mnrl	Mineral (ized)
mnut	Minute
Mol	Mollusca
mot	Mottled
mrly	Marly
mtx	Matrix
n	No,none,non
nod	Nodule
num	Numerous
o	Oil
occ	Occasional
od	Odor
ool	Oolite (ic)
op	Opaque
org	Organic
orng	Orange
orth	Orthoclase
Ost	Ostracod
ovgth	Overgrowth
ox	Oxidized
p	Preliminary (as suffix)
pbl	Pebble (4-64 mm)
pel	Pellet
perm	permeability
pet	Petroleum (iferous)
phos	Phosphate (ic)
pk	Pink
plag	Plagioclase
plcy	Pelecypod
pl	Plant
plty	Platy
por	Porous (sity)
pos	Possible (ility)
p-p	Pin-Point
pred	Predominant (ly)
prim	Primary
prob	Probable (ly)
prom	Prominent (ly)
pt	Part (ly)
ptch	Patch (es)
ptg	Parting
purp	Purple
pyr	Pyrite (ic) (ized)
pyrbit	Pyrobitumen
qtz	Quartz
qtzc	Quartzitic
qtzs	Quartzose
rd	Round (ed)
repl	Replaced (ing) (ment)
rexl	Recrystallized
rmn	Remains (nant)
rr	Rare
rsns	Resinous
rthy	Earthy
s	Small
sa	Salt (y)
S	Sulphur
s&p	Salt & Pepper
sat	Saturated
sb	Sub

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COMMON ABBREVIATIONS (CONTINUED)

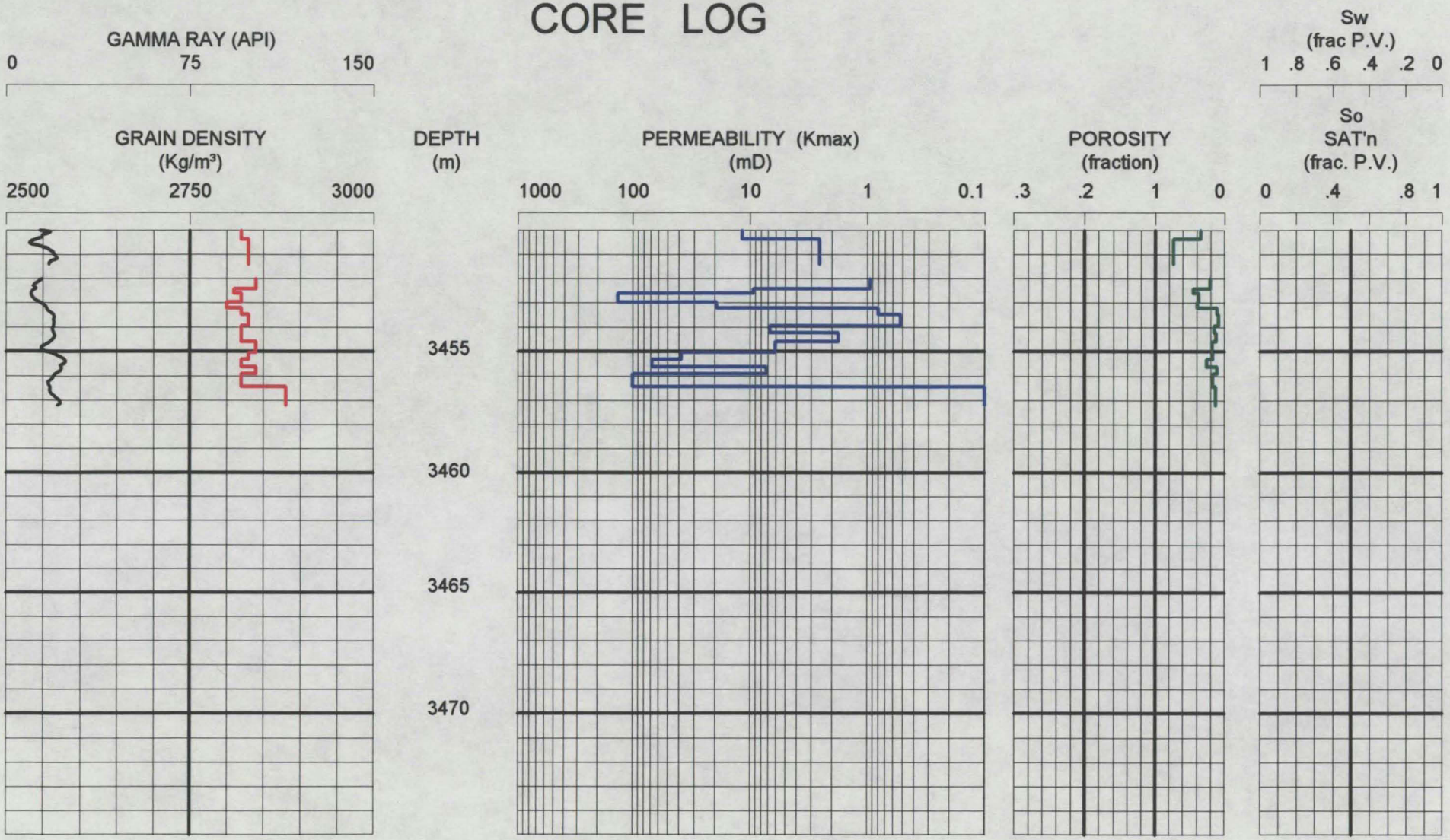
sc	Scales
scat	Scattered
sd	Sand (1/16 - 2mm)
sdy	Sandy
sec	Secondary
sed	Sediment (ary)
sft	Soft
sh	Shale
shad	Shadow
shy	Shaly
sid	Siderite (ic)
sil	Silica
sks	Slickensided
sl	Slight (ly)
sln	Solution
slt	Silt
sltst	Siltstone
slty	Silty
sm	Smooth
SP	Small Plug (as prefix)
sp	Spot (ted) (ty)
spec	Speck (led)
spl	Sample
srt	Sort (ed) (ing)
strg	Stringer
Strom	Stromatoporoid
stromlt	Stromatolite
struc	Structure
styl	Stylolite (ic)
suc	Sucrosic
sug	Sugary
sup	Supported
surf	Surface
sz	Size
tab	Tabular
tex	Texture
Tham	Thamnopora
thk	Thick
thn	Thin
thru	Throughout
tr	Trace
trnsl	Translucent
trnsp	Transparent
tt	Tight
tub	Tubular
uncons	Unconsolidated
unident	Unidentifiable
up	Upper
v	Very
var	Variable
vcol	Varicolored
vfrac	Vertical Fracture
vgt	Varigated
vn	Vein
vrtl	Vertical
vug	Vug (gy) (ular)
w	Well
wh	White
wk	Weak
wthrd	Weathered
wtr	Water
wvy	Wavy
wxy	Waxy
wsrt	Well sorted
xbd	Cross-bedded
xbdg	Cross-bedding
xl	Crystal (line)
xlam	Cross-laminated
yel	Yellow
zn	Zone
*	Broken core
/	With
>10000	Permeability over 10000 mD
<0.01	Permeability less than 0.01 mD
CC	Cracked Core
DR	Drilled
LC	Lost Core
RU	Rubble
mD	milliDarcy

CORE LOG

Company : CHEVRON CANADA RESOURCES LIMITED
Well Name : CHEVRON et al LIARD
Field :
Location : 300M256030123300
Formation : NAHANNI
W / O : RC8471
Plot Scale 1:240

Recovery : 6.60 m
Cored Interval : 3450.00 - 3457.20m
Drlg. Fld. : WATER BASE MUD
Elevation (KB) :

AGAT Laboratories
CORE LOG



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