

Appendix L

Well Cards all of Pembina's Suspended Brine Mining Caverns

Page 1 of 1 Well Card for T003426

LOT: 24 CON: XII CTY: Lambton TWP: Moore TRACT: 5 CLASS: SM **WELL ID:** T003426 WELL NAME: DOW #45 OPERATOR: 1195714 Alberta Ltd. STATUS: SM - SUS Target: SAL COORDINATES SAMPLES DRILLING DATA DATES TRAY: 8120 RIG TYPE: **LICENCE ISSUED:** 1972-05-12 N/S BOUND: 687.30 S POOL E/W BOUND: 406.00 E SPUD DATE: **GRND ELEV: 189.60 NAD 83** TD DATE: 1972-05-29 KB ELEV: 193.20 COMPLETE DATE: **SURF LAT: 42.90581333** TVD: 761.08 PBTD: SURF LONG: -82.40880833 **WORKOVER DATE: 2007-04-24 BOT LAT: 42.90581333** BOT LONG: -82.40880833 PLUG DATE:

FORMATION	TOP	TVD	ELEV
Drift	3.60	3.60	189.60
Top of Bedrock	42.06	42.06	151.14
Kettle Point	42.06	42.06	151.14
Hamilton Group	87.80	87.80	105.40
Dundee	173.70	173.70	19.50
Lucas	198.10	198.10	-4.90
Amherstburg	294.40	294.40	-101.20
Bois Blanc	332.20	332.20	-139.00
Bass Islands/Bertie	356.90	356.90	-163.70
G Unit	416.70	416.70	-223.50
F Unit	424.30	424.30	-231.10
E Unit	528.20	528.20	-335.00
D Unit	554.70	554.70	-361.50
C Unit	564.80	564.80	-371.60
B Unit	581.30	581.30	-388.10
B Salt	588.60	588.60	-395.40
A-2 Carbonate	679.10	679.10	-485.90
A-2 Shale	716.60	716.60	-523.40
A-2 Salt	730.30	730.30	-537.10

LOCATION COMMENTS				
DATE	ACCURACY	METHOD OBTAINED		
2007-01-31	Within 1 metre	Survey Drawing (post 1997)		

INITIAL GAS INTERVAL	FLOW 1000 m3/c	ım	SIP kPag
INITIAL OIL INTERVAL	FLOW m3/	'd s	SIP kPag
WATER RECORD INTERVAL		STATIC LEVEL	ТҮРЕ

LOGGING RECORD INTERVAL	TYPE	COMPANY
0.00 - 443.70	Vertilog - casing inspection log	Baker Hughes
0.10 - 757.40	Gamma Ray Neutron	Birdwell
0.10 - 757.40	Caliper	Birdwell
61.00 - 756.50	Temperature	Birdwell
426.72 - 602.59	Dual Induction Spherically Focussed Laterolog	Weatherford
445.00 - 757.40	Density (Formation)	Birdwell
594.97 - 637.03	Sonar	Sonarwire

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
405.89	65.49	65.80	CEM
297.94	69.90	443.80	CEM
218.95	35.70	751.30	HWP

CTY: Lambton	TWP: Moore	TRACT: 1	LOT: 25	CON: XI
WELL NAME: Dow H.C. No.	. 7		WELL ID: T003916	CLASS: LPG
OPERATOR: 1195714 Albei	ta Ltd. Target: SAL		STATUS: LPG - SUS	
DRILLING DATA	DATES	COORI	DINATES	SAMPLES
RIG TYPE:	LICENCE ISSUED: 1974-12-06	N/S BO	DUND: 317.00 S	TRAY: 4161
GRND ELEV: 191.40	SPUD DATE:	E/W BC	DUND: 346.60 E	POOL
KB ELEV: 196.00	TD DATE: 1975-12-16		NAD 83	
TVD: 673.60 PBTD:	COMPLETE DATE:	11	LAT: 42.89731944 LONG: -82.41759778	
	WORKOVER DATE:		AT : 42.89731944	
	PLUG DATE:	BOT LO	ONG: -82.41759778	

FORMATION	TOP	TVD	ELEV
Drift	4.60	4.60	191.40
Top of Bedrock	47.70	47.70	148.30
Kettle Point	47.70	47.70	148.30
Hamilton Group	103.60	103.60	92.40
Dundee	188.70	188.70	7.30
Lucas	225.20	225.20	-29.20
Amherstburg	303.90	303.90	-107.90
Bois Blanc	340.80	340.80	-144.80
Bass Islands/Bertie	366.40	366.40	-170.40
G Unit	418.80	418.80	-222.80
F Unit	425.20	425.20	-229.20
E Unit	524.30	524.30	-328.30
D Unit	550.50	550.50	-354.50
C Unit	560.50	560.50	-364.50
B Unit	576.40	576.40	-380.40
B Salt	582.50	582.50	-386.50
B Anhydrite	672.40	672.40	-476.40
Geology by Operate	or		

LOCATION COMMENTS			
DATE	ACCURACY	METHOD OBTAINED	
2007-01-31	Within 1 metre	Survey Drawing (post 1997)	

INITIAL GAS INTERVAL	FLC 1000 n		s	IP kPag
INITIAL OIL INTERVAL	FLOW	m3/d	s	IP kPag
WATER RECORD		STATIC LEVEL	· m	TYPE

LOGGING RECORD INTERVAL	TYPE	COMPANY
0.10 - 583.70	Gamma Ray Neutron	Birdwell
6.10 - 563.90	Cement Bond	Birdwell
61.00 - 583.70	Caliper	Birdwell
563.88 - 635.81	Density (Formation)	Computalog
563.90 - 673.30	Gamma Ray Neutron	Birdwell
566.93 - 633.98	Pulsed Neutron	Atlas
566.93 - 633.95	Pulsed Neutron	Atlas
573.02 - 633.68	Pulsed Neutron	Atlas

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
405.89	65.49	63.10	CEM
324.10	80.41	580.30	CEM
13.72	20.11	658.37	HAN
114.05	20.80	658.40	HAN

	Ltd. Target: SAL DATES	WELL ID: T00391 STATUS: LPG - S COORDINATES	
DRILLING DATA	DATES		T T
		COORDINATES	SAMPLES
RIG TYPE:	LICENCE 10011ED: 4074 42 00	1	ll l
	LICENCE ISSUED: 1974-12-06	N/S BOUND: 469.40 S	TRAY:
GRND ELEV: 191.40	SPUD DATE:	E/W BOUND: 346.60 E	POOL
KB ELEV: 196.00	TD DATE: 1975-11-26	NAD 83	
TVD: 674.20 PBTD:	COMPLETE DATE:	SURF LAT: 42.89593278 SURF LONG: -82.4176508	33
,	WORKOVER DATE:	BOT LAT: 42 .89593278	
	PLUG DATE:	BOT LONG: -82.41765083	3

FORMATION	TOP	TVD	ELEV	LOCATION C
Drift	4.60	4.60	191.40	DATE A
Top of Bedrock	44.20	44.20	151.80	Within
Kettle Point	44.20	44.20	151.80	
Hamilton Group	103.60	103.60	92.40	
Dundee	188.10	188.10	7.90	INITIAL GAS
Lucas	227.40	227.40	-31.40	LINIERVAL
Amherstburg	305.10	305.10	-109.10	II
Bois Blanc	340.20	340.20	-144.20	INITIAL OIL
Bass Islands/Bertie	368.50	368.50	-172.50	INTERVAL
G Unit	417.60	417.60	-221.60	
F Unit	424.00	424.00	-228.00	WATER RECO
E Unit	522.40	522.40	-326.40	INTERVAL
D Unit	549.90	549.90	-353.90	1
C Unit	559.60	559.60	-363.60	LOGGING RE
B Unit	574.20	574.20	-378.20	INTERVAL
B Salt	581.90	581.90	-385.90	-2
B Anhydrite	671.80	671.80	-475.80	0.00 - 581.86
A-2 Carbonate	671.80	671.80	-475.80	0.10 - 581.90
Geology by Operate	or		•	6.10 - 672.10
				64 00 504 00

LOCATION COMMENTS								
DATE	ACCURACY	METHOD OBTAINED						
	Within 20 metres	Well Records (1954 to 1997)						

INITIAL GAS INTERVAL	FLOW 1000 m3/dM	s	SIP kPag		
INITIAL OIL	FLOW m3/d SIP kF				
INTERVAL					
WATER RECORD INTERVAL	STA ⁻ LEV		TYPE		

FLOW

LOGGING RECORD INTERVAL	TYPE	COMPANY
<u></u>	Sonar	
0.00 - 581.86	Gamma Ray Neutron	Great Guns
0.10 - 581.90	Gamma Ray Neutron	Birdwell
6.10 - 672.10	Cement Bond	Birdwell
61.00 - 581.90	Caliper	Birdwell
579.10 - 673.00	Gamma Ray Neutron	Birdwell

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
405.89	65.49	63.10	CEM
324.10	80.41	581.30	CEM
323.85		581.90	CEM
218.95	35.70	648.00	HAN
139.70	23.10	649.20	HAN
139.95	20.80	664.50	HAN

CTY: Lambton		7	TWP: Moore TRA		LOT: 24	CON: XI
WELL NAME: DOW#61					WELL ID: T005210	CLASS: DEV
OPERATOR: 1195714	Alberta Ltd.		Target: SAL		STATUS: SM - SUS	
DRILLING DATA	DAT	ES		coo	RDINATES	SAMPLES
RIG TYPE:	LICE	ENCE ISSUED	: 1980-02-18	N/S E	BOUND: 113.20 S	TRAY:
GRND ELEV: 191.90	SPU	D DATE:		E/W I	BOUND: 316.00 E	POOL
KB ELEV: 197.40	TD I	DATE: 1980-07	7-17		NAD 83	
TVD: 753.00 PBTD:	CON	IPLETE DATE	i:	+ +	F LAT: 42.89894972 F LONG: -82.41016833	
WORKOVER DATE:					LAT: 42.89894972	
PLUG DATE:					LONG: -82.41016833	
FORMATION I	TOP	TVD	FLEV	LOCATION C	OMMENTS	

1200 577121									
FORMATION	ТОР	TVD	ELEV						
Drift	5.50	5.50	191.90						
Hamilton Group	97.00	97.00	100.40						
Marcellus	165.00	165.00	32.40						
Dundee	182.90	182.90	14.50						
Lucas	214.00	214.00	-16.60						
Amherstburg	291.10	291.10	-93.70						
Bois Blanc	349.00	349.00	-151.60						
Bass Islands/Bertie	363.00	363.00	-165.60						
G Unit	418.50	418.50	-221.10						
F Unit	425.00	425.00	-227.60						
E Unit	477.50	477.50	-280.10						
D Unit	552.60	552.60	-355.20						
C Unit	562.20	562.20	-364.80						
B Unit	577.20	577.20	-379.80						
B Salt	584.00	584.00	-386.60						
A-2 Carbonate	674.30	674.30	-476.90						
A-2 Shale	709.40	709.40	-512.00						
A-2 Salt	722.20	722.20	-524.80						
Geology by Operate	or								

LOCATION C	LOCATION COMMENTS									
DATE	DATE ACCURACY METHOD OBTAIN									
	Within 1 metre	Survey Drawing (post 1997)								

1	INITIAL GAS INTERVAL	FL0 1000 m		s	SIP kPag		
┨							
1	INITIAL OIL INTERVAL	FLOW	m3/d	s	IP kPag		
┪							
4	WATER RECORD INTERVAL		STATI LEVE		TYPE		
1	N						
-	LOGGING RECORD INTERVAL	Т	YPE	Ţ	COMPANY		
┪	1.00 - 752.90	Gamma R	ay Neutron	G	reat Guns		
1	1.00 - 752.90	Density (F	ormation)	G	reat Guns		
┪	25.00 - 753.00	Caliper		G	reat Guns		
1	579.12 - 656.54	Density (F	ormation)	С	omputalog		
_	579.12 - 639.81	Pulsed Ne	utron	A	Atlas		

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
340.11	90.79	59.70	СЕМ
245.11	53.60	59.80	
178.05	29.79	740.50	HAN
114.05	14.20	749.00	HAN

Page 1 of 1 Well Card for T005211

CTY: Lambton TWP: Moore TRACT: 2 LOT: 24 CON: XI WELL NAME: DOW #62 CLASS: DEV **WELL ID:** T005211 OPERATOR: 1195714 Alberta Ltd. STATUS: SM - SUS Target: SAL COORDINATES **DRILLING DATA** DATES SAMPLES **LICENCE ISSUED: 1980-02-18** N/S BOUND: 113.20 S TRAY: 7239-40 RIG TYPE: **GRND ELEV: 192.20** E/W BOUND: 240.70 E **POOL** SPUD DATE: **KB ELEV: 195.70** TD DATE: 1980-07-06 **NAD 83** SURF LAT: 42.89895917 TVD: 752.00 PBTD: COMPLETE DATE: SURF LONG: -82.41108556 **WORKOVER DATE:** BOT LAT: 42.89895917 BOT LONG: -82.41108556 **PLUG DATE:** LOCATION COMMENTS **FORMATION** TOP **ELEV** TVD 3.50 3.50 192.20 **ACCURACY** METHOD OBTAINED DATE Kettle Point 66.00 66.00 129.70 2007-01-31 Within 1 metre Survey Drawing (post 1997) 95.00 100.70 Hamilton Group 95.00 Dundee 183.00 183.00 12.70 **INITIAL GAS FLOW** 22.00 22.00 173.70 Lucas SIP kPag INTERVAL 1000 m3/dM 290.00 290.00 -94.30 Amherstburg 344.00 344.00 -148.30 Bois Blanc **INITIAL OIL** Bass Islands/Bertie 359.00 359.00 -163.30 FLOW m3/d SIP kPag INTERVAL -202.30 398.00 398.00 G Unit F Unit 416.00 416.00 -220.30 WATER RECORD STATIC E Unit -329.30 525.00 525.00 TYPE LEVEL INTERVAL D Unit 555.00 555.00 -359.30 C Unit 567.00 567.00 -371.30 -383.30 B Unit 579.00 579.00 LOGGING RECORD **TYPE** COMPANY 594.00 INTERVAL 594.00 -398.30 B Salt 1.00 - 752.00 Caliper **Great Guns** B Anhydrite 672.00 672.00 -476.30 500.00 - 752.00 **Great Guns** Gamma Ray Neutron A-2 Carbonate 672.00 672.00 476.30 588.26 - 619.35 Atlas Pulsed Neutron A-2 Shale 708.00 708.00 -512.30 A-2 Salt 722.70 722.70 -527.00 Geology by Operator Casing O.D. (mm) Weight (kg/m) Setting Depth (m) How Set 340.11 90.79 62.50 245.11 53.60 597.50 CEM 29.79 739.70 HAN 178.05

114.05

14.20

745.50

HAN

CTY: Lambton			TWP: Moore	TRA	CT: 4	LOT	: 24			CON: X	J
WELL NAME: DOW	/ # 68					WEL	.L ID: T0	0521	17 (CLASS	: DEV
OPERATOR: 11957	'14 Albert	a Ltd.	Target: SIL			STA	TUS: SM	1 - SI	US		
DRILLING DATA DATES					COOR	DINAT	ES			SAME	PLES
RIG TYPE:		LICENCE ISSU	ED: 1980-02-18		N/S B	OUND:	434.40 S			TRAY	: 7217
GRND ELEV: 193.2	20	SPUD DATE:			E/W B	OUND:	354.80 E	Ē		POOL	
KB ELEV: 196.70		TD DATE: 1981	-02-24				NAD 83				
TVD: 751.00 PBTD		COMPLETE DA	TE:				2.896051 -82. 4 088	-	1		
		WORKOVER DA	ATE:		BOT L	. AT: 4 2.	8960516	7			
		PLUG DATE:			BOT L	ONG: -	82.40888	3861			
FORMATION	то	P TVD	ELEV	LOCATION COMMENTS							
Drift	3.50	3.50	193.20	DA	TE	ACC	URACY	Т	METHO	D OBTAINED	
Kettle Point	60.90	60.90	135.80	2007-0	01-31	Within	1 metre	Su	rvey Drawing (post 199		t 1997)
Hamilton Group	98.00	98.00	98.70								
Dundee	183.00	183.00	13.70	INITIA			_	FLOW		Т	
Lucas	207.00	207.00	-10.30	INTER			1 1		m3/dM_	S	P kPag
Amherstburg	291.00	291.00	-94.30							_	
Bois Blanc	351.00	351.00	-154.30	Course of			r			-	
Bass Islands/Bertie	366.30	366.30	-169.60	INITIA			FL	.OW	m3/d	SIP kPag	
G Unit	414.00	414.00	-217.30	1 11111	77.2			_		_	
F Unit	423.00	423.00	-226.30					_			
E Unit	512.50	512.50	-315.80	WATE		ORD			STAT		TYPE
D Unit	551.00	551.00	-354.30	LINIER	YAL			_			
C Unit	563.00	563.00	-366.30	ļ						_	
B Unit	573.50	573.50	-376.80			CORD	1	7	ГҮРЕ	0	OMPAN
B Salt	579.90	579.90	-383.20	INTERVAL		×0 D	=		mputalo		
A-2 Carbonate	671.30	671.30	-474.60			Calip		Ray Neutror		mputalog	
A-2 Shale	707.60	707.60	-510.90	3/3.00	- /51.0	,,	Canp	31		100	mputatog
A-2 Salt	719.80	719.80	-523.10	ļ							
Geology by Operat	or			Casing	O.D. (mm) W	eight (k	g/m)	Setting D	epth (n	
				340.11		81	1.10		62.00		CEM
				245.11		53	3.60		592.00		CEM
				178.05		30	0.00		749.10		HAN

CTY: Lambton			TWP: Moore	TRA	CT: 4	LC	T: 24	1		C	CON: >	K I	
WELL NAME: DOW	#67						W	ELL II	D : T00	521	8 (CLASS	B: DEV
OPERATOR: 11957	14 Albert	a Ltd.		Target: SAL			ST	ATU	s: SM	- SL	JS		
						200						0.444	DI FO
DRILLING DATA DATES			ES			COOF	RDINA	IES				SAM	PLES
RIG TYPE:		LICE	NCE ISSUE) : 1980-02-18		N/S B	OUND	: 434	.40 S			TRA	r: 7218
GRND ELEV: 193.20	0	SPU	D DATE:			E/W E	BOUNE): 430	0.80 E			<u>P00</u>	Ļ
KB ELEV: 196.70		TD D	ATE: 1981-0	2-13				N/	ND 83				
TVD: 750.00 PBTD:		COM	IPLETE DAT	E:					960391 2.4079		3		
	WOF	RKOVER DAT	ſE:					303917					
		PLU	PLUG DATE:			BUIL	LONG	-82.4	407952	2/8			
FORMATION	ТО	P	TVD	ELEV	LOCA	TION C	ОММ	ENTS	3				
Drift	3.50		3.50	193.20		ATE	TAC	CUR	ACY		METHOD	OBT	AINED
Top of Bedrock	43.00		43.00	153.70	2007-	01-31	Withi	n 1 m	etre	Sur	vey Drawir	ng (pos	st 1997)
Kettle Point	43.00		43.00	153.70				_				-	
Hamilton Group	96.90		96.90	99.80				_				_	
Marcellus	164.00		164.00	32.70	I INITIA	L GAS		- 1		FLO	DW n3/dM	SIP kP	
Dundee	181.90		181.90	14.80] [:::::::	WAL.		_	- 10.	00 1	TIO/ GIVI		
Lucas	204.00		204.00	-7.30									
Amherstburg	293.00		293.00	-96.30	INITIA				FLC	w	m3/d	s	IP kPag
Bois Blanc	346.50		346.50	-149.80	INTER	VAL				_			
Bass Islands/Bertie	359.00		359.00	-162.30									
G Unit	415.00		415.00	-218.30		R REC	ORD				STAT		TYPE
F Unit	422.10		422.10	-225.40	INTER	CVAL					LEVE		
E Unit	532.20		532.20	-335.50									
D Unit	548.40		548.40	-351.70		ING R	ECOR	D		Т	YPE		COMPAN
C Unit	558.40		558.40	-361.70	INTER					_		-	
B Unit	572.60		572.60	-375.90	_	0.00 - 584.00		_	Gamm		-		tlas
B Salt	579.10		579.10	-382.40	_	750.00	_	$\overline{}$		_	ay Neutron	_	omputalog
A-2 Carbonate	672.20		672.20	-475.50		750.00			Calipe				omputalog
A-2 Shale	706.70		706.70	-510.00		2 - 660.			Pulsed			_	tlas
A-2 Salt	717.70		717.70	-521.00	609.60) - 659.	89		Densit	y (F	ormation)	C	omputalog
Geology by Operate	or				J								
						g O.D.				_	Setting Do	epth (ı	
					340.11		$\overline{}$	81.10		-	61.90		CEM
					245.11		_	53.60)	4	591.40		CEM

178.05

29.79

747.20

HAN

CTY: Lambton TWP: Moore TRACT: 2 LOT: 24 CON: XI **CLASS: NPW** WELL NAME: DOW #66 WELL ID: T005552 OPERATOR: 1195714 Alberta Ltd. Target: SAL STATUS: SM - SUS DRILLING DATA DATES COORDINATES SAMPLES RIG TYPE: **LICENCE ISSUED:** 1981-02-16 N/S BOUND: 327.30 S **TRAY: 4032 GRND ELEV:** 192.50 SPUD DATE: **E/W BOUND:** 243.00 E **POOL KB ELEV:** 196.00 TD DATE: 1981-03-25 **NAD 83** TVD: 745.60 PBTD: COMPLETE DATE: SURF LAT: 42.89703944 **SURF LONG: -82.41113722** WORKOVER DATE: BOT LAT: 42.89703944 BOT LONG: -82.41113722 PLUG DATE:

FORMATION	ТОР	TVD	ELEV
Drift	3.50	3.50	192.50
Top of Bedrock	39.50	39.50	156.50
Kettle Point	39.50	39.50	156.50
Hamilton Group	96.00	96.00	100.00
Dundee	179.00	179.00	17.00
Lucas	229.00	229.00	-33.00
Amherstburg	294.00	294.00	-98.00
Bois Blanc	327.00	327.00	-131.00
Bass Islands/Bertie	366.00	366.00	-170.00
G Unit	417.00	417.00	-221.00
F Unit	424.00	424.00	-228.00
E Unit	452.00	452.00	-256.00
D Unit	492.00	492.00	-296.00
C Unit	534.00	534.00	-338.00
B Unit	572.80	572.80	-376.80
B Salt	580.10	580.10	-384.10
B Anhydrite	666.80	666.80	-470.80
A-2 Carbonate	668.90	668.90	-472.90
A-2 Shale	704.20	704.20	-508.20
A-2 Salt	718.90	718.90	-522.90
A-2 Anhydrite	744.00	744.00	-548.00
Geology by Operator			

LOCATION COMMENTS			
DATE	ACCURACY	METHOD OBTAINED	
2007-01-31	Within 1 metre	Survey Drawing (post 1997)	

INITIAL GAS INTERVAL	FLOW 1000 m3/dM	SIP kPag
INITIAL OIL	FLOW m3/d	SIP kPag

WATER RECORD	STATIC	TYPE
INTERVAL	LEVEL	TIPE

LOGGING RECORD INTERVAL	TYPE	COMPANY
0.00 - 589.50	Casing Inspection Tool	Baker Hughes
0.00 - 585.00	Vertilog - casing inspection log	Atlas
0.00 - 585.00	Gamma Ray	Atlas
0.00 - 585.00	Casing Collar Locator	Atlas
0.00 - 585.00	Cement Bond/Variable Density	Atlas
1.00 - 748.00	Gamma Ray Neutron	Computalog
1.00 - 748.00	Caliper	Computalog
563.88 - 612.65	Density (Formation)	Weatherford

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
340.11	81.10	61.00	CEM
244.09	53.60	592.00	CEM
178.05	29.79	743.00	HAN

Well Card for T005553 Page 1 of 1

CTY: Lambton CON: XI TWP: Moore TRACT: 1 LOT: 24 WELL NAME: DOW#65 **CLASS: NPW WELL ID:** T005553 STATUS: SM - SUS OPERATOR: 1195714 Alberta Ltd. Target: SAL DRILLING DATA COORDINATES SAMPLES DATES TRAY: 3169 **RIG TYPE: LICENCE ISSUED: 1981-02-16** N/S BOUND: 327.30 S E/W BOUND: 244.20 E POOL **GRND ELEV: 192.60** SPUD DATE: TD DATE: 1981-03-11 **NAD 83 KB ELEV: 196.00** SURF LAT: 42.89702583 SURF LONG: -82.41020389 TVD: 748.50 PBTD: COMPLETE DATE: WORKOVER DATE: **BOT LAT:** 42.89702583 BOT LONG: -82.41020389 PLUG DATE:

FORMATION	ТОР	TVD	LELEV
Drift	3.40	3.40	192.60
Kettle Point	60.50	60.50	135.50
Hamilton Group	98.00	98.00	98.00
Marcellus	153.00	153.00	43.00
Dundee	171.00	171.00	25.00
Lucas	220.00	220.00	-24.00
Amherstburg	288.00	288.00	-92.00
Bass Islands/Bertie	339.00	339.00	-143.00
G Unit	416.00	416.00	-220.00
F Unit	422.60	422.60	-226.60
E Unit	525.50	525.50	-329.50
D Unit	549.00	549.00	-353.00
C Unit	554.40	554.40	-358.40
B Unit	573.70	573.70	-377.70
B Salt	581.10	581.10	-385.10
A-2 Carbonate	671.90	671.90	-475.90
A-2 Shale	705.40	705.40	-509.40
A-2 Salt	718.50	718.50	-522.50
A-2 Anhydrite	745.50	745.50	-549.50
A-1 Carbonate	748.50	748.50	-552.50
Geology by Operator		HOW:	

LOCATION COMMENTS			
DATE	ACCURACY	METHOD OBTAINED	
2007-01-31	Within 1 metre	Survey Drawing (post 1997)	

INITIAL GAS INTERVAL	FLOW 1000 m3/dM	SIP kPag

INTERVAL	FLOW m3/d	SIP kPag

WATER RECORD INTERVAL	STATIC LEVEL	TYPE

LOGGING RECORD INTERVAL	TYPE	COMPANY
0.00 - 584.50	Vertilog - casing inspection log	Atlas
0.00 - 584.50	Gamma Ray	Atlas
0.00 - 584.50	Casing Collar Locator	Atlas
0.00 - 584.50	Cement Bond/Variable Density	Atlas
0.00 -	Casing Inspection Tool	Baker Hughes
75.00 - 748.50	Caliper	Computalog
375.00 - 748.50	Gamma Ray Neutron	Computalog
548.64 - 653.49	Density (Formation)	Weatherford
563.88 - 612.65	Density (Formation)	Weatherford
591.31 - 644.35	Sonar	Sonarwire
606.55 - 658.83	Density (Formation)	Computalog

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set	
340.11	81.10	62.00	CEM	
245.11	52.99	593.70	CEM	
178.05	29.79	740.60	HAN	

CTY: Lambton TWP: Moore			TRA	ACT: 4	LOT: 2	24		CON:	ΚI		
WELL NAME: DOW	CHEMIC	CAL C	ANADA INC.	#69		,	WELL	ID: T0057	'81	CLASS	S: SM
OPERATOR: 11957				Target: SAL			STATU	J S : SM - S	SUS		
DDU LING DATA		DAT	-0		COORDINATES				SAMP	I EQ	
DRILLING DATA	i i	DATE	<u> </u>			COORDIN	AIES			SAIVIE	LES
RIG TYPE:		LICENCE ISSUED: 1981-10-27 N/S BOUND: 541.50 S TRAY			TRAY	: 3179					
GRND ELEV: 193.4	0	SPU	DATE:			E/W BOUN	ND: 24	6.60 E		POOL	
KB ELEV: 196.90		TD D	ATE: 1982-0	1-28			N/	AD 83			
TVD: 749.00 PBTD:		сом	PLETE DAT	E:		SURF LAT: 42.89511167 SURF LONG: -82.41025306					
		WOR	KOVER DA	ΓE:		BOT LAT:					
		PLUC	G DATE:			BOT LONG	5: -8∠.	41025306			
FORMATION	ТО	Р	TVD	ELEV	LOCA	TION COM	MENTS	3			
Drift	3.50		3.50	193.40	DAT	E ACCL	JRACY	, T	METHOD	OBTAI	NED
Top of Bedrock	44.60		44.60	152.30		Within 20	metre	s Well	Records (19	954 to 1	997)
Kettle Point	44.60		44.60	152.30							
Hamilton Group	100.30		100.30	96.60	l,						
Dundee	184.90		184.90	12.00	INITIA	L GAS			OW m3/dM	SI	P kPag
Lucas	213.80		213.80	-16.90	I IIIVI EN	WAL.		1000	III Q' GIVI		
Amherstburg	268.00		268.00	-71.10							
Bois Blanc	349.00		349.00	-152.10	INITIA			FLOW	m3/d	SII	kPag
Bass Islands/Bertie	355.00		355.00	-158.10	LINIER	CVAL	_				
G Unit	416.60		416.60	-219.70							
F Unit	423.00		423.00	-226.10		R RECORD)		STATI	-	TYPE
E Unit	455.00		455.00	-258.10	INTER	(VAL		_	LEVE		
D Unit	549.00		549.00	-352.10							
C Unit	559.00		559.00	-362.10		ING RECO	RD	-	TYPE	l c	OMPANY
B Unit	574.00		574.00	-377.10	INTER		-	0	New Menter		
B Salt	580.80		580.80	-383.90	_	750.50	_		Ray Neutron	_	mputalog
B Anhydrite	672.20		672.20	-475.30	_	750.50		Caliper			mputalog
A-2 Carbonate	672.50		672.50	-475.60	579.12 - 660.20 Density (Format				mputalog		
A-2 Shale	708.00		708.00	-511.10	606.5	5 - 656.23		Gamma F	kay	Atla	38
A-2 Salt	719.10		719.10	-522.20							
Geology by Operate	or				Casin	g O.D. (mm) Weig	ht (kg/m)	Setting De	pth (m) How S
					339.60		81.10		64.00		CEM
					244.60)	52.99	9	593.20		CEM
					177.80)	29.76	3	733.00		HAN
					114.30)	14.14	4	740.00		HAN

CTY: Lambton				TWP: Moore	TRA	ACT : 3	LO	T: 24			CON	I: XI
WELL NAME: Dow	Chemical	Cana	da Inc. No. 70	0			WE	LL ID: T	0057	782	CLA	SS: SM
OPERATOR: 11957	14 Albert	a Ltd.		Target: SAL			ST	ATUS: SI	M - S	sus		
DDU LING DATA		DAT	F0				ORDINA	TEC			Te	AMPLES
DRILLING DATA DATES						ANIUNO	IES			3	AIVIFLES	
RIG TYPE:		LICE	NCE ISSUEI): 1981-10-27		N/S	BOUND	: 541.50	s		TF	RAY:
GRND ELEV: 192.9	0	SPU	D DATE:			EW	BOUNE	: 170.40	Е		P	OOL
KB ELEV: 196.40		TD E	DATE: 1982-0	1-14				NAD 8	3			
TVD: 749.00 PBTD:		CON	IPLETE DAT	E:				42.89512 6: -82.411				
		WOF	RKOVER DA	ΓE:		ВО	Γ LAT: 4	2.895125	28			
		PLU	G DATE:			ВО	T LONG:	-82.4111	752	8		
FORMATION	то	Р	TVD	ELEV	LOCA	TION	COMME	NTS				
Drift	3.50		3.50	192.90	D	ATE	ACC	URACY	Т	METHOD	OB'	TAINED
Top of Bedrock	43.00		43.00	153.40	2007-	01-31	Within	1 metre	Su	rvey Drawii	ng (po	ost 1997)
Kettle Point	43.00		43.00	153.40								
Hamilton Group	100.10		100.10	96.30	F			_	_	0111	_	
Dundee	184.60		184.60	11.80	INITIA	L GAS	5	1 1		OW m3/dM	l	SIP kPag
Lucas	213.80		213.80	-17.40	I I I							
Amherstburg	307.30		307.30	-110.90							_	
Bois Blanc	349.00		349.00	-152.60	INITIA	LOIL		FL	.ow	m3/d		SIP kPag
Bass Islands/Bertie	383.00		383.00	-186.60	DINTER	WAL			_			
G Unit	415.90		415.90	-219.50								
F Unit	422.20		422.20	-225.80		RRE	CORD			STAT		TYPE
E Unit	454.00		454.00	-257.60	INTER	CVAL	_		-	LEVE		
D Unit	558.10		558.10	-361.70								
C Unit	558.10		558.10	-361.70			ECORD			TYPE		COMPANY
B Unit	573.20		573.20	-376.80	INTER			-		New Message	-	````
B Salt	580.20		580.20	-383.80		749.00				Ray Neutron	_	Computalog
B Anhydrite	669.00		669.00	-472.60		738.00		_		Ray Neutron	_	Computalog
A-2 Carbonate	672.50		672.50	-476.10		2 - 654				ormation)	_	Computalog
A-2 Shale	707.30		707.30	-510.90	594.3	648	.00	Casin	g Co	ollar Locato		Computalog
A-2 Salt	718.80		718.80	-522.40								
Geology by Operate	or				Casin	g O.D.	(mm) V	/eight (k	g/m)	Setting D	epth	(m) How So
					339.6)	8	1.10		64.00		CEM
					244.6	0	5	2.99		594.70		CEM
					177.8	0	2	9.76		733.00		HAN
					114.3)	1	4.14		740.00		HAN

Page 1 of 1 Well Card for T005783

CTY: Lambton	TWP: Moore	TRACT: 2 LOT: 23	CON: XI
WELL NAME: Dow Chemica	Canada Inc. No. 71	WELL ID: T005783	CLASS: SM
OPERATOR: 1195714 Albert	a Ltd. Target: SAL	STATUS: SM - SUS	
DRILLING DATA	DATES	COORDINATES	SAMPLES
RIG TYPE:	LICENCE ISSUED: 1981-10-27	N/S BOUND: 328.30 S	TRAY: 3226
GRND ELEV: 192.50	SPUD DATE:	E/W BOUND: 86.60 E	POOL
KB ELEV: 196.00	TD DATE: 1981-12-11	NAD 83	
TVD: 749.00 PBTD:	COMPLETE DATE:	SURF LAT: 42.89691528 SURF LONG: -82.40567361	
	WORKOVER DATE:	BOT LAT: 42.89691528	
	PLUG DATE:	BOT LONG: -82.40567361	

FORMATION	TOP	TVD	ELEV
Drift	3.50	3.50	192.50
Top of Bedrock	42.50	42.50	153.50
Kettle Point	42.50	42.50	153.50
Hamilton Group	93.20	93.20	102.80
Dundee	178.30	178.30	17.70
Lucas	268.00	268.00	-72.00
Amherstburg	301.00	301.00	-105.00
Bois Blanc	345.00	345.00	-149.00
Bass Islands/Bertie	354.00	354.00	-158.00
G Unit	413.70	413.70	-217.70
F Unit	420.00	420.00	-224.00
E Unit	524.60	524.60	-328.60
D Unit	547.50	547.50	-351.50
C Unit	557.50	557.50	-361.50
B Unit	572.30	572.30	-376.30
B Salt	579.80	579.80	-383.80
A-2 Carbonate	670.00	670.00	-474.00
A-2 Shale	705.50	705.50	-509.50
A-2 Salt	718.30	718.30	-522.30
A-2 Anhydrite	745.70	745.70	-549.70
Geology by Operato	or		

LOCATION COMMENTS					
DATE	ACCURACY	METHOD OBTAINED			
2007-01-31	Within 1 metre	Survey Drawing (post 1997)			

INITIAL GAS INTERVAL	FLOW 1000 m3/dM	SIP kPag
INITIAL OIL INTERVAL	FLOW m3/d	SIP kPag

WATER RECORD STA	TIC TYPE
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LOGGING RECORD INTERVAL	TYPE	COMPANY
e:	Sonar	Sonarwire
0.00 - 749.30	Gamma Ray Neutron	Computalog
0.00 - 749.30	Caliper	Computalog
580.64 - 654.71	Pulsed Neutron	Atlas
594.36 - 664.16	Density (Formation)	Computalog

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
339.60	81.10	64.00	
244.60	52.99	592.00	

Well Card for T005784 Page 1 of 1

CTY: Lambton TWP: Moore TRACT: 2 **LOT: 23** CON: XI CLASS: SM WELL NAME: Dow Chemical Canada Inc. No. 72 **WELL ID:** T005784 OPERATOR: 1195714 Alberta Ltd. STATUS: SM - SUS Target: SAL COORDINATES SAMPLES DRILLING DATA DATES N/S BOUND: 328.30 S RIG TYPE: LICENCE ISSUED: 1981-10-27 TRAY: 1736 **GRND ELEV:** 199.01 SPUD DATE: **E/W BOUND:** 10.40 E **POOL KB ELEV:** 199.31 TD DATE: 1981-11-27 **NAD 83** TVD: 748.50 PBTD: COMPLETE DATE: SURF LAT: 42.89692417 SURF LONG: -82.40659944 **WORKOVER DATE: BOT LAT: 42.89692417** BOT LONG: -82.40659944 PLUG DATE:

FORMATION	ТОР	TVD	ELEV			
Drift	0.30	0.30	199.01			
Top of Bedrock	42.50	42.50	156.81			
Kettle Point	42.50	42.50	156.81			
Dundee	179.10	179.10	20.21			
Bass Islands/Bertie	360.00	360.00	-160.69			
C Unit	557.40	557.40	-358.09			
B Unit	572.50	572.50	-373.19			
B Salt	580.00	580.00	-380.69			
A-2 Carbonate	669.60	669.60	-470.29			
A-2 Shale	706.20	706.20	-506.89			
A-2 Salt	718.40	718.40	-519.09			
A-2 Anhydrite	746.90	746.90	-547.59			
Geology by Operate	Geology by Operator					

]	LOCATION COMMENTS					
1	DATE	ACCURACY	METHOD OBTAINED			
1	2007-01-31	Within 1 metre	Survey Drawing (post 1997)			

INITIAL GAS INTERVAL	FLOW 1000 m3/dM			IP kPag		
INITIAL OIL INTERVAL	FLOW m3/d			SIP kPag		
WATER RECORD		STATIO	;	TYPE		

LOGGING RECORD INTERVAL	TYPE	COMPANY
0.00 - 748.50	Caliper	Computalog
0.00 - 748.50	Gamma Ray Neutron	Computalog
50.00 - 592.80	Caliper	Computalog

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
339.60	81.10	64.00	CEM
244.60	52.99	592.50	CEM

CTY: Lambton		TWP: Moore	TRAC	CT: 3 LOT: 25		C	ON: XI
WELL NAME: Dow HC #10					WELL ID: T006620	C	LASS: SM
OPERATOR: 1195714 Alberta Ltd. Target: SAL					STATUS: SM - SUS		
DRILLING DATA	DATES		19	COORD	INATES		SAMPLES
RIG TYPE:	LICENCE ISSUED	: 1984-10-25		N/S BOU	JND: 611.40 S		TRAY: 923
GRND ELEV: 196.60	SPUD DATE:		Į,	E/W BO	UND: 454.70 W		POOL
KB ELEV: 197.00	TD DATE: 1984-12	2-27			NAD 83		
TVD: 666.50 PBTD:	COMPLETE DATE	i:	1110		AT: 42.89460833 ONG: -82.41998972		
	WORKOVER DAT	E:	1111		T: 42.89460833		
			BOT LO	NG: -82.41998972			
	- 1	T =: =:/	L COATI		MENTO		

FORMATION	ТОР	TVD	ELEV
Drift	0.40	0.40	196.60
Top of Bedrock	46.60	46.60	150.40
Kettle Point	46.60	46.60	150.40
Hamilton Group	105.10	105.10	91.90
Dundee	190.00	190.00	7.00
Lucas	213.40	213.40	-16.40
Amherstburg	311.30	311.30	-114.30
Bois Blanc	355.20	355.20	-158.20
Bass Islands/Bertie	374.00	374.00	-177.00
G Unit	416.70	416.70	-219.70
F Unit	423.40	423.40	-226.40
E Unit	448.50	448.50	-251.50
D Unit	475.60	475.60	-278.60
C Unit	559.60	559.60	-362.60
B Unit	575.50	575.50	-378.50
B Salt	582.30	582.30	-385.30
Geology by Operate	or		

Ш	LOCATION COMMENTS						
Ш	DATE	ACCURACY	METHOD OBTAINED				
Ш	2007-01-31	Within 1 metre	Survey Drawing (post 1997)				

INITIAL GAS INTERVAL	FLOV 1000 m3		SIP kPag		
INITIAL OIL INTERVAL	FLOW m	3/d S	SIP kPag		
WATER RECORD		STATIC			
INTERVAL		LEVEL	TYPE		

LOGGING RECORD INTERVAL	TYPE	COMPANY
0.00 - 610.20	Gamma Ray Neutron	Computalog
0.00 - 610.20	Caliper	Computalog
50.00 - 580.00	Cement Bond	Computalog
525.00 - 666.50	Gamma Ray Neutron	Computalog
563.88 - 658.37	Density (Formation)	Computalog
563.88 - 657.85	Pulsed Neutron	Atlas
609.60 - 652.88	Density (Formation)	Computalog

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
508.00	158.40	92.00	CEM
339.09	90.70	572.00	CEM
218.95	35.70	660.00	HAN
138.94	20.80	663.00	

CTY: Lambton				TWP: Moore	TRA	CT: 3	LOT	: 25			CON	l: XI
WELL NAME: Dow H	HC #9						WEL	L ID: T0	0662	22	CLA	SS: SM
OPERATOR: 11957	14 Albert	a Ltd.		Target: SAL			STA	TUS: SM	- S	us		
DRILLING DATA		DATE	:S			COOF	RDINATE	s			SAN	IPLES
RIG TYPE:		LICEI	NCE ISSUED): 1984-10-26		N/S B	OUND: 6	11.40 S			TRA	Y: 3279
GRND ELEV: 191.36	0	SPUE	DATE:			E/W B	OUND: 6	595.00 W	,		POC	<u>DL</u>
KB ELEV: 196.70		TD D	ATE : 1985-0	1-21			ı	NAD 83				
TVD: 665.00 PBTD:		сом	PLETE DATI	≣:		SURF LAT: 42.89464722 SURF LONG: -82.42187250)				
		WOR	KOVER DAT	E:		BOT LAT: 42.89464722 BOT LONG: -82.42187250						
		PLUG	DATE:		BOT 20NO. 02.42107200			_				
FORMATION	то	Р	TVD	ELEV	LOCATION COMMENTS							
Drift	5.40		5.40	191.30	D/	ATE	ACCU	RACY		METHOD	D OBTAINED	
Top of Bedrock	46.60		46.60	150.10	2007-	01-31	Within 1	metre	Sur	vey Drawir	ring (post 1997)	
Kettle Point	46.60		46.60	150.10	-							
Hamilton Group	104.20		104.20	92.50	LINUTIA .	L GAS		_	EI C	NA/		
Dundee	189.80		189.80	6.90	INTER			FLOW 1000 m3/dM			SIP kPag	
Lucas	223.40		223.40	-26.70								
Amherstburg	297.30		297.30	-100.60	livuzia				_			
Bois Blanc	342.40		342.40	-145.70	INITIA			FLC	WC	m3/d	:	SIP kPag
Bass Islands/Bertie	366.30		366.30	-169.60	I IIIVI ZII							
G Unit	416.30		416.30	-219.60	F				_	0747		_
F Unit	422.80		422.80	-226.10	INTER	R REC	OKD			STATI LEVE	_	TYPE
F Salt	446.80		446.80	-250.10	LINIER	172			_		_	
E Unit	523.00		523.00	-326.30	-						_	
D Unit	549.80		549.80	-353.10	LOGG		CORD		Т	YPE		COMPANY
C Unit	560.40		560.40	-363.70		600.00		Cemer	nt R	and	۲	Computalog
B Unit	575.90		575.90	-379.20					_		_	Computalog
B Salt	583.00		583.00	-386.30	0.00 - 584.50 Gamma Ray Neutror 550.00 - 662.00 Gamma Ray Neutror			_	Computalog			
Geology by Operato	or					2 - 650.		Gamm	_		_	Atlas
					373.12	050.	1.4	Daniiii	u 15	u y		

594.36 - 650.14

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
508.00	158.40	91.00	
339.09	90.70	579.00	
218.95	35.70	597.00	
138.94	20.80	660.00	

Density (Formation)

Computalog

Well Card for T006807 Page 1 of 1

CTY: Lambton TWP: Moore TRACT: 3 LOT: 25 CON: XI WELL NAME: Dow HC #11 **WELL ID: T006807** CLASS: SM OPERATOR: 1195714 Alberta Ltd. STATUS: SM - SUS Target: SAL SAMPLES **DRILLING DATA** DATES COORDINATES TRAY: 1330 RIG TYPE: N/S BOUND: 611.40 S **LICENCE ISSUED:** 1985-06-06 **GRND ELEV: 191.63** SPUD DATE: E/W BOUND: 304.80 W POOL **KB ELEV: 195.10** TD DATE: 1985-08-22 **NAD 83 SURF LAT: 42.89457333** TVD: 670.00 PBTD: COMPLETE DATE: **SURF LONG: -82.41817250** WORKOVER DATE: BOT LAT: 42.89457333 BOT LONG: -82.41817250 PLUG DATE: **LOCATION COMMENTS FORMATION** TOP TVD **ELEV** 191.60 Drift 3.50 3.50 DATE ACCURACY **METHOD OBTAINED** 46.00 149.10 Top of Bedrock 46.00 2007-01-31 Within 1 metre Survey Drawing (post 1997) Kettle Point 46.00 46.00 149.10 Dundee 187.00 187.00 8.10 **FLOW INITIAL GAS** -374.90 B Unit 570.00 570.00 SIP kPag 1000 m3/dM INTERVAL 580.00 -384.90 B Salt 580.00 Geology by Operator **INITIAL OIL** FLOW m3/d SIP kPag INTERVAL WATER RECORD **STATIC TYPE** LEVEL INTERVAL LOGGING RECORD **TYPE** COMPANY INTERVAL Casing O.D. (mm) Weight (kg/m) Setting Depth (m) How Set

339.60

244.60

177.80 114.30 71.40

53.50

29.70

14.09

93.00

577.00

663.00

668.00

TRACT: 4 CON: XI CTY: Lambton TWP: Moore LOT: 25 **WELL ID:** T006809 CLASS: SM WELL NAME: Dow HC #12 STATUS: SM - SUS OPERATOR: 1195714 Alberta Ltd. Target: SAL SAMPLES COORDINATES DATES DRILLING DATA TRAY: 8315 N/S BOUND: 611.40 S **RIG TYPE: LICENCE ISSUED:** 1985-06-06 POOL **GRND ELEV:** 191.60 SPUD DATE: E/W BOUND: 152.40 W **KB ELEV: 195.10** TD DATE: 1985-09-14 **NAD 83** TVD: 672.00 PBTD: COMPLETE DATE: **SURF LAT: 42.89454722 SURF LONG: -82.41630722** WORKOVER DATE: **BOT LAT: 42.89454722** BOT LONG: -82.41630722 PLUG DATE:

FORMATION	TOP	TVD	ELEV				
Drift	3.50	3.50	191.60				
Top of Bedrock	44.21	44.21	150.89				
Kettle Point	44.20	44.20	150.90				
Hamilton Group	100.00	100.00	95.10				
Dundee	186.20	186.20	8.90				
Lucas	234.00	234.00	-38.90				
Amherstburg	293.80	293.80	-98.70				
Bois Blanc	352.00	352.00	-156.90				
Bass Islands/Bertie	362.00	362.00	-166.90				
G Unit	414.70	414.70	-219.60				
F Unit	421.60	421.60	-226.50				
F Salt	446.20	446.20	-251.10				
E Unit	519.20	519.20	-324.10				
D Unit	547.00	547.00	-351.90				
C Unit	557.00	557.00	-361.90				
B Unit	572.00	572.00	-376.90				
B Equivalent	578.40	578.40	-383.30				
B Salt	590.10	590.10	-395.00				
A-2 Carbonate	668.20	668.20	-473.10				
Geology by Operate							

LOCATION COMMENTS				
DATE	ACCURACY	METHOD OBTAINED		
2007-01-31	Within 1 metre	Survey Drawing (post 1997)		

INITIAL GAS INTERVAL	FLOW 1000 m3/dM	SIP kPag	
INITIAL OIL INTERVAL	FLOW m3/d	SIP kPag	

WATER RECORD	STATIC	TYPE
INTERVAL	LEVEL	IIFE

LOGGING RECORD INTERVAL	TYPE	COMPANY	
0.00 - 587.50	Gamma Ray Neutron	Computalog	
0.00 - 587.50	Caliper	Computalog	
550.00 - 672.50	Gamma Ray Neutron	Computalog	
550.00 - 672.50	Caliper	Computalog	
566.93 - 658.46	Pulsed Neutron	Atlas	
579.00 - 672.50	Cement Bond	Computalog	
594.36 - 660.81	Density (Formation)	Computalog	
600.00 - 662.80	Density (Formation)	Computalog	
608.38 - 658.46	Pulsed Neutron	Atlas	
609.60 - 664.16	Density (Formation)	Computalog	

Casing O.D. (mm)	Weight (kg/m)	Setting Depth (m)	How Set
339.60	90.70	92.00	
244.60	53.50	577.00	
177.80	29.70	662.00	
114.30	14.09	668.00	