

CHEVRON

(Metric) Daily Completion/WO Report

Spud Date	08/24/99	Start Date:		Actual Days:	1	Auth.Days:		MD:	1028.0 m	TVD:	1028.0 m	PBD:	
Job Description:							KB Correction:		0.00	Orig KB Elev:		299.31	
							Wind:		Seas:	/	Bar:		POB:
Mud Type: SODIUM CHLOR/CALCIUM CHLOR						Wt:	1075	FV:		PV:		YP:	WL:
Prod Casing Size:		177.8 mm	Weight:	34.24	Grade:	K-55	Set @	502.9 m MD	502.9 m TVD			Cmt.Top@	60.0 m
Liner Size:		0.0	Weight:	0.00	Grade:		Set @	0.0 MD	0.0 TVD	Top @	0.0 MD	0.0 TVD	
Tubing Size	Wt.	Grade	Threads	Depth	Details								
Packer Set At		Description				Perforations From		To	Details				
Fish Top @		Description:											
BHA No:	1	Details: BIT/BIT-SUB/3-DC/11-HWDP							Bit Data				
									Number	Type	Serial Number		
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight								Total hours Reported: 24			
3.25	0000-0315 DRILL OUT CEMENT PLUG TO 490M												
0.25	0315-0330 CIRCULATE HOLE CLEAN												
0.75	0330-0415 P/T CASING TO 24MPA FOR 15 MINS												
3.25	0415-0730 DRILL OUT STAGE TOOL @ 493.63M, FLOAT @ 498.8M												
0.25	0730-0745 RIG SERVICE- FCN TOP PIPE RAMS C/O SSEC												
0.25	0745-0800 BOP DRILL WITH DAY CREW												
2.50	0800-1030 FLOW CHECK OOH, PICK UP PIPE AND RIH TO BOTTOM												
3.25	1030-1345 DISPLACE HOLE TO WATER AND CIRCULATE												
0.50	1345-1415 SHUT WELL IN TO DETERMINE BALANCE POINT												
5.50	1415-1945 CIRCULATE, PUMP 14M3 OF CW7, RIG IN DOWELL AND PUMP BM3 OF 15% HCL, DISPLACE HOLE TO NAEL BRINE @ 1050KG/M3												
0.25	1945-2000 RIG SERVICE- FUNC ANNULAR FROM MAIN C/O 18 SEC												
1.25	2000-2115 CIRCULATE OUT HCL, FLOW CHECK - FLOWING, RAISE BRINE DENSITY TO 1075 KG/M3, WELL DEAD												
0.25	2115-2130 FLOW CHECK AND SAFETY MEETING WITH LAYDOWN CREW												
2.00	2130-2330 LAYDOWN 89MM DRILL PIPE (42 SINGLES) FLOW CHECK @ 960, 912M. POOH, FLOW CHECK 580, 200, OOH TO RUN CSG SCRAPER												
0.25	2330-2345 RIG SERVICE- FUNC BLINDS @ FLOOR & MAIN C/O SSEC												
0.25	2345-2400 MAKE UP SCRAPER & RIH												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
	-												
Fluid Lost To Formation		Daily:	Cumulative:										
Hours Charged To		Hours Used				Other Charges		H ₂ S:					
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:			Incidents:						
Remarks: PP&E:DAILY WALK AROUND AND RIG INSPECTION WITH COLEMAN, GOJIN, NEWHOOK.SAFETY DAYS 131 OPS @ 0600: RIG TO RUN 88.9MM TUBING													
Daily Mud Cost:		\$ 4,412		Daily Tangible Cost:		Daily Well Cost:		63,408				Chevron %:	
Cum Mud Cost:		4,412		Cum Tangible Cost:		Cum Well Cost:		63,408		Total Appropriated Cost:			
Materials On Hand:													

AFE Number: RWWNC-R9013-500		API Well Number:		Well ID: CR0009	Project ID: 1
Country: CANADA		Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: NEWHOOK/GOUIN	
Field: OTHER	Lease: CHEVRON ET AL MCKAY LAKE O-80		Well No: O-80	Date: 09-SEP-99	
				Page: 1 Of 1	

RR. Sept 8/99
(Verified by A.G.)

CHEV

(Metric) Drilling Activity Report

Measure	Depth: 1028.0 m	TVD: 1028.0 m	PBTD: 0.0	Proposed MD: 1185.0 m	Proposed TVD: 1185.0 m
DOL: 19	DFS: 16	Spud Date: 08/24/99	Daily Footage: -578.0	Daily Rot Hrs:	Total Rot Hrs: 137.5
Torq: 0	Drag: 0.0	Rot Wgt: 0.0	P/U Wgt: 0.0	Slack Off Wgt: 0.0	Wind: Seas: 0.0 / 0.0
Last Casing Size:		Set At: MD		TVD	Shoe Test: 0 EMW Leakoff?
Cum Rot Hrs On Casing: 0.0		Cum Rot Hrs On Casing Since Last Caliper:		Depth Worst Wear:	% Remaining:
Liner Size:		Set At: MD		TVD	Liner Top At: MD
Mud Co: MI DRILLING FLUIDS	Type: CLAY BASED NON-DISPERSED	Sample From: FLOW	Wt: 1130	FV: 45	PV: 19
WL API: 6.0	HTHP: FC (mm) API: 1.0	HTHP: 0.0	Solids: 8.00	% Oil: 0.00	% Water: 0.00
Pm: 0.114	Pf/Mf: 15.00/78.0	Carb: CL: 150	Ca: 40	Bent: 40.4	Solids %HG/LG: /
				%DS/Bent: 6.0	/ 2.0
Drlg Gas:		Max Gas: 0	Conn Gas:	Trip Gas:	Trip CL:
Remarks:					
Bit Number	IADC	Size	Manufacturer	Serial number	Type
					Jets
					TFA
					MD In
					MD Out
					TVD Out
Meters	Hours	WOB	RPM	I-Row	O-Row
		/	/		
		/	/		
Total Length of BHA: 129.28 m BHA Description: BIT/BIT-SUB/3-120-DC/11-HWDP					
				Hrs On Jars:	Hours Since Last Inspection:
Bit Num	Liner	Stroke	SPM	Press.	M3/Min
	/	/	/		
	/	/	/		
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates
					E/W Coordinates
					Vertical Section
					DLS
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight			Total Hours Reported: 24.0
0.25	0000-0015 CONDITION MUD FOR CEMENT				
0.25	0015-0030 HOLD SAFETY MTG PRIOR TO CMT JOB				
1.00	0030-0130 CEMENT CASING, CEMENT IN PLACE @ 01:30				
	- PREFLUSH: 3M3 WATER, 3M3 CW100				
	- CEMENT WITH 9.5 TONNE 'G'+35%D66+0.5%D65+2.0%S1+0.2%D46				
	- DISPLACE WITH 10.2M3 WATER, RETURNS TO SURFACE 2 TO 2.5M3 CW100, CEMENT TOP @ APPROX 65-30MKB				
0.75	0130-0215 ATTEMPT TO SET CASING SLIPS				
0.75	0215-0300 ND BOP STACK TO SET CASING SLIPS				
1.00	0300-0400 SET CASING SLIPS				
0.25	0400-0415 SERVICE RIG				
3.75	0415-0800 NU TBG HANGER, NU BOPS				
2.00	0800-1000 CHANGE OUT PIPE RAMS TO 89MM				
7.00	1000-1700 PT BOPE TO 1400/34500KPA.				
0.75	1700-1745 RU TO PU 89MM DP, HOLD SAFETY MTG				
0.25	1745-1800 RIG SERVICE, FT BLIND RAMS				
2.50	1800-2030 PU 89MM DP,				
0.50	2030-2100 TAG CMT AT 438M, DRILL CMT TO 444M				
0.50	2100-2130 CHANGE GRABBER DIES				
Remarks:					
PP&E DAILY WALK AROUND / RIG INSPECTION; GOUIN, NEWHOOK, COLEMAN, SAFETY DAYS 130					
OPERATIONS @ 0600: DRILL OUT CEMENT PLUG @ 498M.					
24HR PLAN: DRILL OUT CASING SHOE, CIRCULATE MUD FROM OPEN HOLE WITH WATER, RUN CASING SCRAPER, JET HOLE WITH CHEMICAL WASH & ACID					
Daily Mud Cost: \$ 1,652		Daily Tangible Cost:		Daily Well Cost: \$ 134,158	
Cum Mud Cost: \$ 29,418		Cum Tangible Cost: \$ 30,389		Cum Well Cost: \$ 1,546,504	
Drill Water:		Potable Water:		Fuel:	
Country: CANADA		Rig: AKITA #48		Rig Phone: 403-204-2119	
Field: OTHER		Lease: CHEVRON ET AL MCKAY LAKE O-80		Well No: O-80	
API No:		AFE No: RWWNC-R9013-400		Date: 08-SEP-99	
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CHEVRON

(Metric) Drilling Activity Report

Measured Depth:	1028.0 m	TVD:	1028.0 m	PBTD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																				
DOL:	19	DFS:	16	Spud Date:	08/24/99	Daily Footage:	-578.0	Daily Rot Hrs:		Total Rot Hrs:	137.5																		
Torq:	0	Drag:	0.0	Rot Wgt:	0.0	P/U Wgt:	0.0	Slack Off Wgt:	0.0	Wind:		Seas:	0.0 / 0.0	Bar:	0	POB:	25												
Last Casing Size:		Set At:		MD		TVD		Shoe Test:		0 EMW		Leakoff?																	
Cum Rot Hrs On Casing:		0.0		Cum Rot Hrs On Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:																					
Liner Size:		Set At:		MD		TVD		Liner Top At:		MD		TVD																	
Mud Co:		MI DRILLING FLUIDS		Type:		CLAY BASED NON-DISPERSED		Sample From:		FLOW		Wt: 1130		FV: 45		PV: 19		YP: 9.5		Gel: 2 / 7									
WL		API: 6.0		HTHP:		FC (mm)		API: 1.0		HTHP: 0.0		Solids:		8.00		% Oil:		0.00		% Water:		0.00		% Sand:		MBT: 59.7		Ph: 9.80	
Pm:		0.114		Pf/Mf:		15.00 / 78.0		Carb:		Cl:		150		Ca:		40		Bent:		40.4		Solids %HG/LG:		/		%DS/Bent:		6.0 / 2.0	
Drilg Gas:		Max Gas:		0		Conn Gas:		Trip Gas:		Trip Cl:		Remarks:																	
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets				TFA	MD In	MD Out	TVD Out																
						/ / / /				0																			
						/ / / /				0																			
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m																	
		/	/																										
		/	/																										
Total Length of BHA: 129.28 m													BHA Description: BIT/BIT-SUB/3-120-DC/11-HWDP																
										Hrs On Jars:		Hours Since Last Inspection:																	
Bit Num	Liner		Stroke		SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW																
	/ /		/ /		/ /																								
	/ /		/ /		/ /																								
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates		E/W Coordinates		Vertical Section		DLS																		
Hours	(From - To)		Operations Covering 24 Hours Ending at Midnight								Total Hours Reported: 24.0																		
0.50	2130-2200 DRILL OUT CEMENT TO 450M, NOTE PLUG RUBBER OVER SHAKER																												
0.50	2200-2230 PRESS TEST CSG TO 24000KPA FOR 10 MIN-TEST GOOD.																												
1.25	2230-2345 DRILL OUT CMT TO 460M.																												
0.25	2345-2400 FT BOTTOM PIPE RAMS.																												
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Remarks:																													
Daily Mud Cost:		\$ 1,652		Daily Tangible Cost:				Daily Well Cost:		\$ 134,158		Incidents:																	
Cum Mud Cost:		\$ 29,418		Cum Tangible Cost:		\$ 30,389		Cum Well Cost:		\$ 1,546,504		Total Appr: \$ 1,885,468																	
Drill Water:		Potable Water:		Fuel:		Bulk Weight:		Neat Cement:		Blended:																			
Country:		CANADA		Rig:		AKITA #48		Rig Phone:		403-204-2119		Drilling Rep: GOUIN/NEWHOOK																	
Field:		OTHER		Lease:		CHEVRON ET AL MCKAY LAKE O-80		Well No:		O-80		Well ID: CRO009 -O																	
		API No:		AFE No:		RWWNC-R9013-400		Date:		08-SEP-99		Page: 2 Of 2																	

CHEVRON

(Metric) Drilling Activity Report

Measured Depth:	1028.0 m	TVD:	1028.0 m	PBTD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																				
DOL:	18	DFS:	15	Spud Date:	08/24/99	Daily Footage:		Daily Rot Hrs:		Total Rot Hrs:	137.5																		
Torq:	4600	Drag:	3.0	Rot Wgt:	54.0	P/U Wgt:	57.0	Slack Off Wgt:	51.0	Wind:		Seas:	0.0 / 0.0	Bar:	0	POB:	25												
Last Casing Size:	244.5 mm	Set At:	359.7m	MD	359.7m	TVD		Shoe Test:	0 EMW	Leakoff?																			
Cum Rot Hrs On Casing:	104.2	Cum Rot Hrs On Casing Since Last Caliper:	104.2	Depth Worst Wear:		% Remaining:																							
Liner Size:	0.0	Set At:	0.0 MD	0.0 TVD		Liner Top At:	0.0 MD	0.0 TVD																					
Mud Co:	MI DRILLING FLUIDS	Type:	CLAY BASED NON-DISPERSED	Sample From:	FLOW	Wt:	1120	FV:	71	PV:	27	YP:	18.0	Gel:	5 / 17														
WL	API: 6.0	HTHP:		FC(mm)	API: 1.0	HTHP:	0.0	Solids:	8.00	% Oil:	0.00	% Water:	0.00	% Sand:		MBT:	62.5	Ph:	10.80										
Pm:	0.151	Pf/Mf:	20.00 / 82.0	Carb:		Cl:	150	Ca:	40	Bent:	45.6	Solids %HG/LG:	/	%DS/Bent:	6.0 / 2.0														
38	40KG BENTONITE NT	201	25KG CA CARBONATE																										
Drig Gas:		Max Gas:	0	Conn Gas:		Trip Gas:		Trip Cl:		Remarks:																			
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out																			
						/ / / /	0																						
						/ / / /	0																						
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m																	
		/	/																										
		/	/																										
Total Length of BHA:	299.45 m	BHA Description:	BIT/ST-DC/SHK-SUB/STR-STAB/6-3/4" DC/STR-STAB/11-6-3/4" DC/D/A-JARS/6-6-3/4"																										
DC/X/O/12-HWDP																													
Hrs On Jars:	104.2	Hours Since Last Inspection:	104.2																										
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW																		
	/ /	/ /	/ /																										
	/ /	/ /	/ /																										
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS																					
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight						Total Hours Reported: 24.0																					
4.00	0000-0400 PULL DST TOOLS, BREAK, AND LAYDOWN, FLOW CHECK @ 520M, 400M, 300M, OOH																												
0.25	0400-0415 RIG SERVICE- FUNC BLIND RAMS C/O SSC																												
3.75	0415-0800 MAKE UP BIT & RIH, WASH FROM 1010M TO 1028M, NO FILL																												
2.00	0800-1000 CIRCULATE AND CONDITION MUD BEFORE LAYING DOWN DP																												
0.25	1000-1015 SAFETY MEETING WITH LAYDOWN CREW																												
4.00	1015-1415 PULL OUT OF HOLE LAYING DOWN DRILL PIPE, FLOW CHECK @ 10STDs, HWDP, OOH																												
0.25	1415-1430 RIG SERVICE- FUNC BLIND RAMS C/O 6SEC																												
3.00	1430-1730 PULL WEAR BUSHING, CHANGE TOP PIPE RAMS TO 7" CSG RAMS, PRESSURE TEST GATE SEALS TO 11,000 KPA																												
0.75	1730-1815 RIG UP TO RUN CASING																												
0.25	1815-1830 HOLD SAFETY MEETING WITH LAYDOWN & TONG CREW PRIOR TO RUNNING CASING																												
2.25	1830-2045 RUN 177.8MM, 34.24KG/M, K-55, LT&C CASING TO 502.99M																												
0.75	2045-2130 RIG TO AND CIRCULATE CASING																												
1.50	2130-2300 RIG IN DS TO SET PACKER AND OPEN STAGE TOOL, BUMP PLUG, PACKER SET @ 9000 KPA, STAGE TOOL OPEN @ 15000KPA																												
1.00	2300-2400 CONDITION MUD PRIOR TO CEMENTING, DROP YP BACK TO 9																												
-																													
-																													
-																													
-																													
Remarks:																													
PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN, SAFETY DAYS 129																													
OPERATIONS @ 0600: NIPPLE UP BOPS.																													
24HR PLAN: PRESSURE TEST BOPS, PICK-UP 88.9MM DRILL PIPE, DRILL OUT CSG SHOE																													
Daily Mud Cost:	\$ 1,652	Daily Tangible Cost:		Daily Well Cost:	\$ 56,139	Incidents:																							
Cum Mud Cost:	\$ 27,766	Cum Tangible Cost:	\$ 30,389	Cum Well Cost:	\$ 1,398,453	Total Appr: \$ 1,885,468																							
Drill Water:	Potable Water:	Fuel:		Bulk Weight:		Neat Cement:		Blended:																					
Country:	CANADA	Rig:	AKITA #48	Rig Phone:	403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK																							
Field:	OTHER	Lease:	CHEVRON ET AL MCKAY LAKE O-80	Well No:	O-80	Well ID: CRO009 -O																							
API No:				AFE No: RWWNC-R9013-400				Date:	07-SEP-99	Page: 1 Of 1																			

(Metric) Drilling Activity Report

P. 05

Measured Depth:	1028.0 m	TVD:	1028.0 m	PBD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																																									
DOL:	16	Dfs:	13	Spud Date:	08/24/99	Daily Footage:		Daily Rot Hrs:		Total Rot Hrs:	137.5																																							
Torque:	4600	Drag:	3.0	Rot Weight:	54.0	P/U Weight:	57.0	Slack Off Weight:	51.0	Wind:		Seas:	0.0 / 0.0	Bar:	0	POB:	25																																	
Last Casing Size:	244.5 mm	Set At:	359.7m MD	359.7m TVD	Shoe Test:	0 EMW	Leakoff?																																											
Cum Rot Hrs On Casing:	104.2	Cum Rot Hrs On Casing Since Last Caliper:	104.2	Depth Worst Wear:		% Remaining:																																												
Liner Size:	0.0	Set At:	0.0 MD	0.0 TVD	Liner Top At:	0.0 MD	0.0 TVD																																											
Mud Co:	MI DRILLING FLUIDS	Type:	CLAY BASED NON-DISPERSED	Sample From:	FLOW	Wt:1090	FV: 70	PV: 22	YP:15.0	Gel: 5 / 13																																								
WL	API: 4.8	HTHP:		FC (mm)	API: 1.0	HTHP: 0.0	Solids: 6.00	% Oil: 0.00	% Water: 0.00	% Sand:		MBT: 61.0	Ph: 10.5																																					
Pm:	40.00	Pf/Mf: 20.00 / 80.0	Carb:	Cl: 150	Ca: 12.2	Bent: 50.10	Solids %HG/LG:	/	%DS/Bent: 4.0 / 2.0																																									
45	40KG BENTONIT	126	25KG CA CARBO	3	22KG CAUSTIC																																													
Drig Gas:		Max Gas:		Conn Gas:		Trip Gas:		Trip Cl:		Remarks:																																								
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out																																								
						/ / / /	0																																											
						/ / / /	0																																											
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m																																						
		/	/																																															
		/	/																																															
Total Length of BHA:	299.4m	BHA Description:	BIT/ST-DC/SHK-SUB/STR-STAB/6-3/4" DC/STR-STAB/11-6-3/4" DC/D/A-JARS/6-6-3/4"																																															
DC/X/O/12-HWDP																																																		
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kw	BHHP/SQIN	Pump kw																																							
	/ /	/ /	/ /																																															
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Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS																																										
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight								Total Hours Reported: 24.0																																								
6.25	0000-0615 LOG WITH SCHLUMBERGER LOG #2, CMR																																																	
0.25	0615-0630 FUNC BLIND RAMS FROM FLOOR 6SEC C/O																																																	
2.00	0630-0830 MAKE UP AND RUN BHA FOR CLEAN OUT TRIP & MUD CONDITIONING PRIOR TO DST																																																	
1.00	0830-0930 CIRCULATE AND CONDITION MUD FOR DST																																																	
0.50	0930-1000 PULL 5 STAND WIPER TRIP AND RUN BACK TO BOTTOM																																																	
4.25	1000-1415 CIRCULATE AND CONDITION MUD FOR DST																																																	
2.00	1415-1615 FLOW CHECK, PUMP SLUG, PULL OUT OF HOLE, FLOW CHECK @ 976, 514, 210M, OOH																																																	
2.50	1615-1845 MAKE UP DST TOOLS																																																	
0.25	1845-1900 RIG SERVICE- FUNC ANNULAR C/O 15SEC																																																	
1.25	1900-2015 RUN IN HOLE WITH DST TO COVER INTERVAL 594M - 606M																																																	
0.25	2015-2030 RIG UP HEAD AND MANIFOLD ON TOP OF DRILL STRING																																																	
0.25	2030-2045 HOLD SAFETY MEETING WITH DST REP AND ALL PEOPLE ON LOCATION																																																	
3.00	2045-2345 PUMP UP PACKERS AND RUN DST#1, MATTSON SAND 594M-606M																																																	
0.25	2345-2400 RIG SERVICE- FUNC REMOTE CHOKE																																																	
	-																																																	
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	-																																																	
Remarks:																																																		
PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN, SAFETY DAYS 127																																																		
OPERATIONS @ 0600: RUN IN HOLE FOR CLEAN OUT TRIP AFTER DST																																																		
24HR PLAN: CONDITION HOLE, RUN DST, CONDITION HOLE FOR CASING																																																		
Daily Mud Cost: \$ 673		Daily Tangible Cost:				Daily Well Cost: \$ 86,422				Accidents:																																								
Cum Mud Cost: \$ 24,846		Cum Tangible Cost: \$ 30,389				Cum Well Cost: \$ 1,306,849				Total Appr: \$ 1,885,468																																								
Drill Water:		Potable Water:		Fuel:		Bulk Weight:		Neat Cement:		Blended:																																								
Country: CANADA				Rig: AKITA #48				Rig Phone: 403-204-2119				Drilling Rep: MCNALLEY/NEWHOOK																																						
Field: OTHER				Lease: CHEVRON ET AL MCKAY LAKE O-80				Well No: O-80				Well ID: CR0009 -O																																						
				API No:				AFE No:				Date: 05 Sep 99		Page: 3 Of 4																																				

Measure Depth:	1028.0 m	TVD:	1028.0 m	PBD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																							
DOL:	15	DFS:	12	Spud Date:	08/24/99	Daily Footage:		Daily Rot Hrs:	8.3	Total Rot Hrs:	137.5																					
Torque:	4600	Drag:	3.0	Rot Weight:	54.0	P/U Weight:	57.0	Slack Off Weight:	51.0	Wind:		Seas:	0.0/0.0	Bar:	0	POB:	25															
Last Casing Size:	244.5 mm	Set At:	359.7m	MD	359.7m	TVD		Shoe Test:	0 EMW	Leakoff?																						
Cum Rot Hrs On Casing:	104.2	Cum Rot Hrs On Casing Since Last Caliper:	104.2	Depth Worst Wear:		% Remaining:																										
Liner Size:	0.0	Set At:	0.0	MD	0.0	TVD		Liner Top At:	0.0	MD	0.0	TVD																				
Mud Co:	MI DRILLING FLUIDS	Type:	CLAY BASED NON-DISPERSED	Sample From:	FLOW	Wt:1084	FV: 56	PV: 19	YP:12.0	Gel: 4 / 9																						
WL	API: 4.3	HTHP:		FC (mm)	API: 1.0	HTHP: 0.0	Solids: 5.00	% Oil: 0.00	% Water: 0.00	% Sand:		MBT: 59.6	Ph: 10.4																			
Pm:	36.00	Pf/Mf: 18.00/78.0	Carb:	CL: 150	Ca: 12.2	Bent: 49.50	Solids %HG/LG:	/	%DS/Bent: 3.0	/2.0																						
23	40KG BENTONIT	61	25KG CA CARBO	2	22KG CAUSTIC																											
Drig Gas:		Max Gas:		Conn Gas:		Trip Gas:		Trip CL:		Remarks:																						
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out																						
8	637	222.3	HUGHES	H30XU	ATJ-M55R	11.1/11.1/7.1/ /	233	973.0 m	1028.0 m	1028.0 m																						
						/ / / /	0																									
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m																				
55.0	10.5	20.0/22.0	50 / 50	2	4	RR	A7	E	I		TD	\$ 838.32																				
		/	/																													
Total Length of BHA:	299.4m	BHA Description:	BIT/ST-DC/SHK-SUB/STR-STAB/6-3/4" DC/STR-STAB/11-6-3/4" DC/D/A-JARS/6-6-3/4"																													
DC/X/O/12-HWDP																																
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW																					
8	152.0/152.0/ 0.0	/ /	120/ /	11400	1.53	109.79	58.64	96.74	183.60	3.1	291.30																					
	/ /	/ /	/ /																													
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS																								
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight							Total Hours Reported: 24.0																							
5.25	0000-0515 DRILL 222MM HOLE FROM 985M TO 1012M																															
0.25	0515-0530 RIG SERVICE																															
3.00	0530-0830 DRILL 222MM HOLE TO 1028M, TD CALLED																															
0.75	0830-0915 CIRCULATE HOLE CLEAN PRIOR TO SURVEY																															
0.25	0915-0930 SURVEY @ 1019M, MISS RUN																															
2.50	0930-1200 FLOW CHECK, PUMP PILL, WIPER TRIP TO SURFACE CASING. FLOW CHECK @ 976M, 514M, 300M, 15MIN EACH.																															
1.00	1200-1300 CIRCULATE AND CONDITION HOLE																															
0.25	1300-1315 SURVEY @ 1019M, DEV 3 DEG																															
2.25	1315-1530 FLOW CHECK, PUMP PILL, POOH TO LOG FLOW CHECK @ 976, 514, 300M 15MIN EACH																															
0.25	1530-1545 RIG SERVICE, FUNC BLIND RAMS, C/O 5 SEC																															
8.25	1545-2400 RIG TO AND RUN LOG #1 WITH SCHLUMBERGER, AIT-PEX-DSI-MCD																															
	-																															
	-																															
	-																															
	-																															
	-																															
	-																															
	-																															
	-																															
Remarks:																																
PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN, SAFETY DAYS 126																																
OPERATIONS @ 0600: RUN IN HOLE FOR CLEAN OUT TRIP AFTER LOGGING																																
24HR PLAN: CONDITION HOLE AND RUN DST																																
Daily Mud Cost: \$ 673			Daily Tangible Cost:			Daily Well Cost: \$ 32,379			Accidents:																							
Cum Mud Cost: \$ 24,173			Cum Tangible Cost: \$ 30,389			Cum Well Cost: \$ 1,220,427			Total Appr: \$ 1,885,468																							
Drill Water:			Potable Water:			Fuel:			Bulk Weight:			Neat Cement:		Blended:																		
Country: CANADA				Rig: AKITA #48				Rig Phone: 403-204-2119				Drilling Rep: MCNALLEY/NEWHOOK																				
Field: OTHER				Lease: CHEVRON ET AL MCKAY LAKE O-80				Well No: O-80				Well ID: CRO009 -O																				
				API No:				AFE No:				Date: 04 Sep 99				Page: 2 Of 4																

Measure	th:	985.0 m	TVD:	985.0 m	PBD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																						
DOL:	14	DFS:	11	Spud Date:	08/24/99	Daily Footage:		Daily Rot Hrs:	19.8	Total Rot Hrs:	129.3																					
Torque:	5600	Drag:	3.0	Rot Weight:	53.0	P/U Weight:	56.0	Slack Off Weight:	50.0	Wind:																						
								Seas:	0.0 / 0.0	Bar:	0																					
										POB:	25																					
Last Casing Size:	244.5 mm	Set At:	359.7m	MD	359.7m	TVD		Shoe Test:	0 EMW	Leakoff?																						
Cum Rot Hrs On Casing:	96.0	Cum Rot Hrs On Casing Since Last Caliper:	96.0	Depth Worst Wear:		% Remaining:																										
Liner Size:	0.0	Set At:	0.0 MD	0.0 TVD		Liner Top At:	0.0 MD	0.0 TVD																								
Mud Co:	MI DRILLING FLUIDS	Type:	CLAY BASED NON-DISPERSED	Sample From:	FLOW	Wt:1084	FV: 63	PV: 20	YP:15.0	Gel: 5 / 10																						
WL	API: 4.3	HTHP:		FC (mm)	API: 1.0	HTHP: 0.0	Solids: 5.00	% Oil: 0.00	% Water: 0.00	% Sand:																						
Pm:	26.00	Pf/Mf: 13.00 / 60.0	Carb:	Cl: 150	Ca: 12.2	Bent: 46.30	Solids %HG/LG:	/	%DS/Bent: 3.0	/ 2.0																						
58	40KG BENTONIT	30	25KG CA CARBO	2	22KG CAUSTIC																											
Drig Gas:		Max Gas:		Conn Gas:		Trip Gas:		Trip Cl:		Remarks:																						
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out																						
8	637	222.3	HUGHES	H30XU	ATJ-M55R	11.1/11.1/7.1/ /	233	973.0 m	1028.0 m	1028.0 m																						
7	627	222.3	RBI	BL164	C47LRGD	11.1/11.1/7.1/ /	233	882.0 m	973.0 m	973.0 m																						
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull																					
12.0	2.3	20.0/22.0	50 / 50	2	4	RR	A7	E	I		TD																					
91.0	20.0	20.0/22.0	50 / 50	5	6	FC	A7	E	2MM	BT	TQ																					
Total Length of BHA:	297.5 m	BHA Description:	BIT/NB-STAB/SHK-SUB/STR-STAB/6-3/4" DC/STR-STAB/11-6-3/4"																													
DC/D/A-JARS/6-6-3/4" DC/X/O/12-HWDP																																
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW																					
8	152.0 / 152.0 /	235.0 / 235.0 / 254.0	120 /	11200	1.53	109.79	58.64	96.74	183.60	3.1	286.10																					
7	152.0 / 152.0 / 0.0	235.0 / 235.0 / 254.0	120 /	11200	1.53	109.79	58.89	96.74	183.60	3.1	286.10																					
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS																								
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight						Total Hours Reported: 24.0																								
7.75	0000-0745 DRILL 222MM HOLE FROM 899M TO 934M																															
0.25	0745-0800 RIG SERVICE- FUNC LOWER PIPE RAMS																															
3.75	0800-1145 DRILL 222MM HOLE TO 953M																															
0.25	1145-1200 SURVEY @ 943M, DEV 2.5DEG																															
4.50	1200-1630 DRILL 222MM HOLE TO 973M TORQUE INCREASE																															
0.50	1630-1700 CIRCULATE AND MIX PILL PRIOR TO BIT TRIP																															
2.00	1700-1900 TRIP OUT OF HOLE FLOW CHECK @ 970, 920, 480, 300, OOH FOR 15MINS EACH																															
0.25	1900-1915 RIG SERVICE- FUNC BLIND RAMS 5 SEC C/O																															
2.25	1915-2130 MAKE UP BIT #8, PICK UP SHORT DRILL COLLAR AND RUN IN HOLE TO 955M. WASH TO 973M.																															
1.75	2130-2315 DRILL 222MM HOLE FROM 973M TO 984M																															
0.25	2315-2330 RIG SERVICE- FUNC TOP PIPE RAMS FROM MAIN C/O 6SEC																															
0.50	2330-2400 DRILL FROM 984M TO 985M																															
	-																															
	-																															
	-																															
	-																															
	-																															
	-																															
	-																															
Remarks:	PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN, SAFETY DAYS 125																															
OPERATIONS @ 0600: DRILL AHEAD @ 1016M.																																
24HR PLAN: DRILL AHEAD WITH 222.3MM BIT MAXIMIZING ROP BY OPTIMIZING DRILLING PARAMETERS																																
Daily Mud Cost:	\$ 779	Daily Tangible Cost:		Daily Well Cost:	\$ 48,237	Accidents:																										
Cum Mud Cost:	\$ 23,500	Cum Tangible Cost:	\$ 30,389	Cum Well Cost:	\$ 1,188,048	Total Appr:	\$ 1,885,468																									
Drill Water:		Potable Water:		Fuel:		Bulk Weight:		Neat Cement:		Blended:																						
Country:	CANADA	Rig:	AKITA #48	Rig Phone:	403-204-2119	Drilling Rep:	MCNALLEY/NEWHOOK																									
Field:	OTHER	Lease:	CHEVRON ET AL MCKAY LAKE O-80	Well No:	O-80	Well ID:	CRO009 -0																									
		API No:		AFE No:	RWNC-R9013-400	Date:	03 Sep 99	Page:	1	Of	4																					

(Metric) Drilling Activity Report

P.02

(Metric) Drilling Activity Report

P.02

Measure Depth:	657.0 m	TVD:	657.0 m	PBD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																							
DOL:	11	DFS:	8	Spud Date:	08/24/99	Daily Footage:	122.0	Daily Rot Hrs:	20.0	Total Rot Hrs:	75.0																					
Torq:	5000	Drag:	3.0	Rot Wgt:	49.0	P/U Wgt:	52.0	Slack Off Wgt:	47.0	Wind:		Seas:	0.0 / 0.0	Bar:	0	POB:	25															
Last Casing Size:	244.5 mm	Set At:	359.7m	MD	359.7m	TVD		Shoe Test:	0	EMW		Leakoff?																				
Cum Rot Hrs On Casing:	42.2	Cum Rot Hrs On Casing Since Last Caliper:	42.2	Depth Worst Wear:		% Remaining:																										
Liner Size:	0.0	Set At:	0.0	MD	0.0	TVD		Liner Top At:	0.0	MD		0.0	TVD																			
Mud Co:	MI DRILLING FLUIDS	Type:	CLAY BASED NON-DISPERSED	Sample From:	FLOW	Wt:	1075	FV:	47	PV:	15	YP:	14.0	Gel:	5	/	10															
WL	API: 7.8	HTHP:		FC (mm)	API: 1.0	HTHP:	0.0	Solids:	5.00	% Oil:	0.00	% Water:	0.00	% Sand:		MBT:	28.4	Ph:	9.90													
Pm:	0.091	Pf/Mf:	12.00 / 50.0	Carb:		Cl:	150	Ca:	50	Bent:	16.4	Solids %HG/LG:	/	%DS/Bent:	4.0	/	1.0															
1	22KG CAUSTIC	37	40KG BENTONITE NT	87	25KG CA CARBONATE																											
Drig Gas:		Max Gas:	0	Conn Gas:		Trip Gas:		Trip Cl:		Remarks:																						
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out																						
4	537	222.3	REED	MM9734	EHP53A	11.9/11.9/8.7/ /	282	421.0 m	657.0 m	657.0 m																						
						/ / / /	0																									
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m																				
236.0	34.3	150.0/20.0	50 / 50	4	8	FC	A7	E	2MM	RG	TQ	\$ 385.53																				
		/	/																													
Total Length of BHA:	297.56 m	BHA Description:	BIT/NB-STAB/SHK-SUB/STR-STAB/6-3/4" DC/STR-STAB/11-6-3/4"																													
DC/D/A-JARS/6-6-3/4" DC/X/O/12-HWDP													Hrs On Jars:	42.2	Hours Since Last Inspection:	42.2																
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW																					
4	152 / 152 / 0	235.0/235.0/254.0	120/ /	7400	1.53	90.59	58.64	96.74	125.00	2.1	189.00																					
	/ /	/ /	/ /																													
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS																								
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight							Total Hours Reported: 24.0																							
1.75	0000-0145 DRILL 222MM HOLE FROM 535M TO 547M																															
0.25	0145-0200 FLOW CHECK WELL, SLIGHT FLOW 1.0M3/HR																															
0.25	0200-0215 CIRCULATE BOTTOMS UP, NO GAS, SHUT OFF CENTRIFUGES AND RESUME DRILLING																															
5.50	0215-0745 DRILL 222MM HOLE TO 580																															
0.25	0745-0800 RIG SERVICE: FUNC BOTTOM PIPE RAMS, 6 SEC C/O																															
3.25	0800-1115 DRILL 222MM HOLE TO 611M																															
0.25	1115-1130 CHANGE COUNTER BALANCE ON TOP DRIVE, FUNC ANNULAR																															
0.50	1130-1200 CIRCULATE AND WORK PIPE PRIOR TO FLOW CHECK & FLOW CHECK																															
0.25	1200-1215 SURVEY @ 601, DEV 2.25 DEG																															
9.50	1215-2145 DRILL 222MM HOLE TO 647M																															
0.25	2145-2200 CIRCULATE SAMPLE UP																															
1.75	2200-2345 POOH TO CHANGE BIT BECAUSE OF TORQUE																															
0.25	2345-2400 RIG SERVICE: FUNC BLIND RAMS FROM FLOOR C/O 6 SEC																															
	-																															
	-																															
	-																															
	-																															
	-																															
Remarks:																																
PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN, SAFETY DAYS 330																																
OPERATIONS @ 0600: DRILL AHEAD @ 690M																																
24HR PLAN: DRILL AHEAD WITH 222.3MM BIT MAXIMIZING ROP BY OPTIMIZING DRILLING PARAMETERS																																
Daily Mud Cost:	\$ 1,332	Daily Tangible Cost:		Daily Well Cost:	\$ 94,981	Incidents:																										
Cum Mud Cost:	\$ 21,103	Cum Tangible Cost:	\$ 30,389	Cum Well Cost:	\$ 1,021,020	Total Appr: \$ 1,885,468																										
Drill Water:		Potable Water:		Fuel:		Bulk Weight:		Neat Cement:		Blended:																						
Country:	CANADA	Rig:	AKITA #48	Rig Phone:	403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK																										
Field:	OTHER	Lease:	CHEVRON ET AL MCKAY LAKE O-80	Well No:	O-80	Well ID: CRO009 -0																										
API No:				AFE No: RWWNC-R9013-400				Date: 31-AUG-99		Page: 1 Of 1																						

CHEVROLET

(Metric) Drilling Activity Report

Measu		th:	535.0 m	TVD:	535.0 m	PBTD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																		
DOL:		10	DFS:	7	Spud Date:		08/24/99		Daily Footage:		Daily Rot Hrs:	23.8	Total Rot Hrs:	60.8															
Torque:		2100	Drag:	0.0	Rot Weight:		46.0	P/U Weight:	46.0	Slack Off Weight:		46.0	Wind:	Seas:	0.0 / 0.0	Bar:	0	POB:	25										
Last Casing Size:			244.5 mm		Set At:		359.7m MD		359.7m TVD		Shoe Test:		0 EMW		Leakoff?														
Cum Rot Hrs On Casing:			22.2		Cum Rot Hrs On Casing Since Last Caliper:			22.2		Depth Worst Wear:			% Remaining:																
Liner Size:			0.0		Set At:		0.0 MD		0.0 TVD		Liner Top At:		0.0 MD		0.0 TVD														
Mud Co:			MI DRILLING FLUIDS		Type:		POLYMER		Sample From:		FLOW		Wt:	1040	FV:	48	PV:	12	YP:	13.5	Gel:	4 / 8							
WL			API:		7.9	HTHP:		FC (mm)		API:	1.0	HTHP:		0.0	Solids:		2.00	% Oil:	0.00	% Water:	0.00	% Sand:	MBT:	13.8	Ph:	10.8			
Pm:			34.00		Pf/Mf:		17.00 / 50.0		Carb:		CL:		150	Ca:		15.2	Bent:		7.10	Solids %HG/LG:		/		%DS/Bent:		2.0 / 0.0			
25		25 KG		CA CARBO		2		22 KG		DRISPAC		5		22 KG		LIGNITE		1		22 KG		SODA ASH		30		25 KG		SULF-X	
1		25 KG		XCD																									
Drlg Gas:			Max Gas:			Conn Gas:			Trip Gas:			Trip CL:			Remarks:														
Bit Number		IADC		Size		Manufacturer		Serial number		Type		Jets		TFA		MD In		MD Out		TVD Out									
4		537		222.3		REED		MM9734		EHP53A		11.9/11.9/8.7/ /		282		421.0 m													
3		116		222.3		REED		KT2435		EHT11		15.9/15.9/8.7/ /		457		363.0 m		421.0 m		421.0 m									
Meters		Hours		WOB		RPM		I-Row		O-Row		DC		Loc		B		G		Char		?Pull		Cost/m					
114.0		20.0		14.0/15.0		50 / 50																		\$ 537.70					
58.0		6.0		9.0/10.0		120 / 120		5		6		WT		A7		5		1MM		PR				\$ 371.85					
Total Length of BHA:			293.7m		BHA Description: BIT/BIT-SUB/2-6-3/4" DC/STR-STAB/6-3/4" DC/STR-STAB/9-6-3/4"																								
DC/D/A-JARS/6-6-3/4" DC/X/O/12-HWDP															Hrs On Jars:			2.2		Hours Since Last Inspection:				2.2					
Bit Num		Liner			Stroke			SPM		Press.		M3/Min		Jet Vel		DP Av		DC Av		Bit kW		BHHP/SQIN		Pump kW					
4		152.0 / 152.0 /			/ /			120 /		6500		1.53		90.80		58.64		96.74		120.90		2.0		166.10					
3		152.0 / 152.0 / 0.0			/ /			120 /		3800		1.53		56.08		58.64		96.74		44.70		0.7		97.10					
Survey MD		Angle		Azimuth		Direction		TVD		N/S Coordinates		E/W Coordinates		Vertical Section		DLS													
Hours		(From - To)										Operations Covering 24 Hours Ending at Midnight					Total Hours Reported: 24.0												
3.75		0000-0345 DRILL 222MM HOLE FROM 390M TO 421M																											
0.50		0345-0415 CIRCULATE SAMPLE FROM BOTTOM, MIX CAL CARB PILL FOR TRIP																											
0.25		0415-0430 SURVEY @ 414M, DEV 1 1/8DEG																											
2.00		0430-0630 FLOW CHECK, PUMP PILL, POOH, FLOW CHECK @ 390M, 290M, OOH																											
0.25		0630-0645 RIG SERVICE: FUNC ANNULAR @ MAIN, 14 SEC C/O																											
2.00		0645-0845 MAKE UP NEW BHA & BIT (EHP53A) RIH TO 410M, WASH TO BOTTOM NO FILL																											
0.25		0845-0900 BOP DRILL WITH DAY CREW, WELL SECURE CREW IN POSITION IN 64SEC																											
5.75		0900-1445 DRILL 222.3MM HOLE FROM 421M TO 468M (ROP=8.2M/HR)																											
0.25		1445-1500 RIG SERVICE: FUNC TOP PIPE RAMS FROM MAIN 6 SEC C/O																											
6.00		1500-2100 DRILL 222.3MM HOLE TO 525M (ROP=9.5M/HR)																											
0.25		2100-2115 RIG SERVIC: FUNC BOTTOM PIPE RAMS @ MAIN 5 SEC C/O																											
0.25		2115-2130 SURVEY @ 514M, DEV 2DEG																											
2.50		2130-2400 DRILL 222.3MM HOLE TO 535M (ROP=4M/HR)																											
		-																											
		-																											
		-																											

CHEVRON

(Metric) Drilling Activity Report

Measur	th:	391.0 m	TVD:	391.0 m	PBTD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																						
DOL:	9	DFS:	6	Spud Date:	08/24/99	Daily Footage:		Daily Rot Hrs:	2.3	Total Rot Hrs:	37.0																					
Torque:	2100	Drag:	0.0	Rot Weight:	46.0	P/U Weight:	46.0	Slack Off Weight:	46.0	Wind:																						
								Seas:	0.0 / 0.0	Bar:	0																					
										POB:	25																					
Last Casing Size:	244.5 mm	Set At:	359.7m	MD	359.7m	TVD		Shoe Test:	0 EMW	Leakoff?																						
Cum Rot Hrs On Casing:	2.2	Cum Rot Hrs On Casing Since Last Caliper:	2.2	Depth Worst Wear:		% Remaining:																										
Liner Size:	0.0	Set At:	0.0 MD	0.0 TVD	Liner Top At:	0.0 MD	0.0 TVD																									
Mud Co:	MI DRILLING FLUIDS	Type:	POLYMER	Sample From:	FLOW	Wt:1005	FV: 56	PV: 14	YP: 14.0	Gel: 5 / 10																						
WL API:	9.8	HTHP:		FC (mm)	API: 1.2	HTHP: 0.0	Solids: 0.00	% Oil: 0.00	% Water: 0.00	% Sand:																						
										MBT: 0.0	Ph: 9.7																					
Pm:	3.00	Pf/Mf:	15.00 / 60.0	Carb:	CL: 150	Ca: 12.2	Bent: 0.00	Solids %HG/LG:	/	%DS/Bent: 0.0 / 0.0																						
11	22KG DRISPAC	4	20KG LIME	3	22KG SODA ASH	16	25KG XCD																									
Drig Gas:		Max Gas:		Conn Gas:		Trip Gas:		Trip CL:		Remarks:																						
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out																						
3	116	222.3	REED	KT2435	EHT11	15.9/15.9/8.7/ /	457	363.0 m	421.0 m	421.0 m																						
						/ / / /	0																									
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull																					
28.0	2.3	7.0/10.0	40 / 50	5	6	WT	A7	5	1MM		PR																					
		/	/																													
Total Length of BHA:	293.7m	BHA Description:	BIT/BIT-SUB/2-6-3/4" DC/STR-STAB/6-3/4" DC/STR-STAB/9-6-3/4"																													
DC/D/A-JARS/6-6-3/4" DC/X/O/12-HWDP																																
							Hrs On Jars:	2.2	Hours Since Last Inspection:	2.2																						
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW																					
3	152.0 / 152.0 /	/ /	120 /	3700	1.53	56.08	58.64	96.74	44.70	0.7	94.60																					
	/ /	/ /	/ /																													
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS																								
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight							Total Hours Reported: 24.0																							
3.25	0000-0315 NIPPLE UP BOP STACK																															
0.25	0315-0330 RIG SERVICE																															
4.50	0330-0800 PRESSURE TEST BOPS: MANIFOLD, FLARE LINES, BLIND RAMS, BOTTOM/TOP PIPE RAMS, KILL VALVES, HCR, MANNUALMUDSAVER																															
	- VALVE, MANUAL RELIEF VALVE, STABING VALVE, ACTUATOR VALVE TO 1400 LOW, 34500 KPA HIGH 15MINS EACH. ACCUMULATOR																															
	- 17500 KPA HIGH, 1400 KPA LOW 15MIN.																															
2.75	0800-1045 FUNCTION TEST ACCUMULATOR, KILL LINES, MUD LINES, AND ANNULAR																															
0.50	1045-1115 SAFETY MEETING																															
6.25	1115-1730 MAKE UP BIT, BIT SUB, DC & STABS. RIH & PICK UP PIPE TO RACK IN DERRICK, RIG OUT PIPE HANDLERS																															
1.75	1730-1915 MAKE UP BHA AND RIH																															
0.50	1915-1945 DRILL OUT FLOAT COLLAR, TAG CEMENT @ 344M																															
0.25	1945-2000 RIG SERVICE; FUNC ANNULAR 15SEC C/O																															
0.75	2000-2045 DRILL OUT CEMENT & SHOE																															
0.25	2045-2100 BOP DRILL, WELL SECURE IN 90SEC																															
0.25	2100-2115 DRILL 222MM HOLE FROM 363 TO 366M																															
0.25	2115-2130 CIRCULATE BOTTOMS UP PRIOR TO FIT																															
0.25	2130-2145 PERFORM FORMATION INTEGRITY TEST TO 18 KPA/M EQU																															
0.25	2145-2200 RIG SERVICE: FUNC BOTTOM PIPE RAMS @ FLOOR, C/O 5 SEC																															
2.00	2200-2400 DRILL 222MM HOLE FROM 366M TO 391M																															
Remarks:	PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN																															
OPERATIONS @ 0600: BIT PULLED @ 421M, BIT AT SURFACE																																
24HR PLAN: RUN REED EHP53 DRILL AHEAD TO MATTSON SAND																																
Daily Mud Cost:	Daily Tangible Cost:			Daily Well Cost: \$ 92,428				Accidents: MVA																								
Cum Mud Cost:	Cum Tangible Cost: \$ 30,389			Cum Well Cost: \$ 875,464				Total Appr: \$ 1,885,468																								
Drill Water:	Potable Water:			Fuel:				Bulk Weight:																								
								Neat Cement: Blended:																								
Country:	CANADA			Rig: AKITA #48				Rig Phone: 403-204-2119																								
Field:	OTHER			Lease: CHEVRON ET AL MCKAY LAKE O-80				Well No: O-80																								
								Well ID: CRO009 -O																								
				API No:				Date: 29 Aug 99																								
				AFE No:				Page: 9 Of 10																								

CHEVRON

(Metric) Drilling Activity Report

Measur. ch:	363.0 m	TVD:	363.0 m	PBTD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																	
DOL:	8	DFS:	5	Spud Date:	08/24/99	Daily Footage:		Daily Rot Hrs:		Total Rot Hrs:	34.8															
Torque:	4000	Drag:	3.0	Rot Weight:	57.0	P/U Weight:	60.0	Slack Off Weight:	54.0	Wind:		Seas:	0.0 / 0.0	Bar:	0	POB:	25									
Last Casing Size:	508.0 mm	Set At:	19.0m	MD	19.0m	TVD		Shoe Test:	0 EMW	Leakoff?																
Cum Rot Hrs On Casing:	34.7	Cum Rot Hrs On Casing Since Last Caliper:	34.7	Depth Worst Wear:		% Remaining:																				
Liner Size:		Set At:	MD	TVD		Liner Top At:	MD	TVD																		
Mud Co:	MI DRILLING FLUIDS	Type:	SPUD MUD	Sample From:	FLOW	Wt:1080	FV: 48	PV: 19	YP: 5.0	Gel:	2 / 4															
WL API:	7.3	HTHP:		FC (mm)	API: 1.0	HTHP: 0.0	Solids:	5.00	% Oil:	0.00	%Water:	0.00	% Sand:		MBT:	49.7	Ph:	8.8								
Pm:	16.00	Pf/Mf:	7.00 / 31.0	Carb:		CL:	150	Ca:	12.2	Bent:	39.29	Solids %HG/LG:	/	%DS/Bent:	4.0 / 1.0											
8	11KG	DESCO																								
Drlg Gas:		Max Gas:		Conn Gas:		Trip Gas:		Trip CL:		Remarks:																
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out																
						/ / / /	0																			
						/ / / /	0																			
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m														
		/	/																							
		/	/																							
Total Length of BHA:	350.9m	BHA Description:	BIT/NEAR-BIT/SHOCK/STR-STAB/9"-DC/STR-STAB/5-9"-DC/9"-JAR/X/O-SUB/18-6-3/4"																							
DC/12-HWDP																										
							Hrs On Jars:	34.7	Hours Since Last Inspection:	34.7																
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kw	BHHP/SQIN	Pump kw															
	/ /	/ /	/ /																							
	/ /	/ /	/ /																							
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS																		
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight						Total Hours Reported:	24.0																	
1.00	0000-0100 PULL OUT TO LAYDOWN 9" DC																									
2.00	0100-0300 LAYDOWNN 9" DC AND HANDLING TOOLS FOR 9"																									
0.25	0300-0315 SAFETY MEETING PRIOR TO RIG UP FOR CASING																									
3.50	0315-0645 RIG UP AND RUN SURFACE CASING																									
1.00	0645-0745 HIT BRIDGE @ 358M, RIG TO & CIRCULATE TO BOTTOM, NO FILL ON BOTTOM																									
0.25	0745-0800 RIG SERVICE																									
1.50	0800-0930 CIRCULATE CASING PRIOR TO CEMENTING																									
0.25	0930-0945 SAFETY MEETING PRIOR TO CEMENTING WITH DS																									
2.25	0945-1200 RIG IN CEMENT HEAD & PUMP CEMENT, BUMP PLUG, CIP @ 12:00																									
	- CEMENT JOB																									
	- PREFLUSH: 10M3 H2O + 3M3 CW100																									
	- CEMENT: 32M3 'G' + 35XD66 + 0.5XD65 + 2.0XS1 + 0.2XD46																									
	- DISPLACE W/ 14M3 5M3 CEMENT RETURNS CIP @ 12:00																									
6.00	1200-1800 WOC, CUT OFF CONDUCTOR BARREL & SPOOL, NIPPLE DOWN DIVERTER.																									
1.75	1800-1945 INSTALL & SCREW ON CASING BOWL																									
0.25	1945-2000 RIG SERVICE																									
4.00	2000-2400 NIPPLE UP BOPS																									
	- \$43,290 FOR 90M3 DIESEL FUEL																									
Remarks:	PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN																									
OPERATIONS @ 0600: PRESSURE TEST BOPS																										
24HR PLAN: FINISH PRESSURE TESTING BOPS, PICK UP REQUIRED DP, DRILL OUT & PERFORM FIT TO 18KPA/M																										
Daily Mud Cost:	Daily Tangible Cost:		\$ 30,389		Daily Well Cost:		\$ 156,080		Accidents:																	
Cum Mud Cost:	Cum Tangible Cost:		\$ 30,389		Cum Well Cost:		\$ 783,036		Total Appr: \$ 1,885,468																	
Drill Water:	Potable Water:		Fuel:		Bulk Weight:		Neat Cement:		Blended:																	
Country:	CANADA		Rig: AKITA #48		Rig Phone: 403-204-2119		Drilling Rep: MCNALLEY/NEWHOOK																			
Field:	OTHER		Lease: CHEVRON ET AL MCKAY LAKE O-80		Well No: O-80		Well ID: CRO009 -O																			
API No:		AFE No:		Date: 28 Aug 99		Page: 8 Of 10																				

CHEV

(Metric) Drilling Activity Report

Measur. th:	363.0 m	TVD:	363.0 m	PBD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m								
DOL:	7	DFS:	4	Spud Date:	08/24/99	Daily Footage:		Daily Rot Hrs:	0.3	Total Rot Hrs:	34.8						
Torque:	4000	Drag:	3.0	Rot Weight:	57.0	P/U Weight:	60.0	Slack Off Weight:	54.0	Wind:		Seas:	0.0 / 0.0	Bar:	0	POB:	25
Last Casing Size:	508.0 mm	Set At:	19.0 m	MD	19.0 m	TVD		Shoe Test:	0 EMW	Leakoff?							
Cum Rot Hrs On Casing:	34.7	Cum Rot Hrs On Casing Since Last Caliper:	34.7	Depth Worst Wear:		% Remaining:											
Liner Size:		Set At:	MD	TVD	Liner Top At:	MD	TVD										
Mud Co:	MI DRILLING FLUIDS	Type:	SPUD MUD	Sample From:	FLOW	Wt:1080	FV: 101	PV: 25	YP: 22.5	Gel: 11 / 27							
WL	API: 7.1	HTHP:	FC (mm)	API: 1.0	HTHP: 0.0	Solids: 5.00	% Oil: 0.00	% Water: 0.00	% Sand:	MBT: 67.5	Ph: 8.8						
Pm:	16.00	Pf/Mf: 8.00 / 32.0	Carb:	CL: 150	Ca: 12.2	Bent: 59.31	Solids %HG/LG:	/	%DS/Bent: 3.0 / 2.0								
Drlg Gas:		Max Gas:	5	Conn Gas:		Trip Gas:	19	Trip CL:		Remarks:							
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out							
2	437	311.0	REED	042525	HP43A	19.0/19.0/19.0 / /	851	186.0 m	363.0 m	363.0 m							
						/ / / / /	0										
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m					
177.0	15.0	8.0/10.0	110 / 110	2	3	RR		E	IN		TD	\$ 327.69					
		/	/														
Total Length of BHA: 350.9m BHA Description: BIT/NEAR-BIT/SHOCK/STR-STAB/9"-DC/STR-STAB/5-9"-DC/9"-JAR/X/O-SUB/18-6-3/4"																	
DC/12-HWDP																	
								Hrs On Jars:	34.7	Hours Since Last Inspection:	34.7						
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW						
2	152.0 / 152.0 / 0.0	/ /	110/110	11800	2.81	55.20	38.68	80.04	85.20	0.7	553.10						
	/ /	/ /	/ /														
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS									
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight							Total Hours Reported: 24.0								
3.00	T	0000-0300 POOH USING LIMITED RIG POWER STRAPPING OUT -STRAP-361.61M, BOARD-361.5M, DIFF-0.11M															
0.25	T	0300-0315 RIG SERVICE-FUNC HCR WHILE OUT OF HOLE															
4.75	T	0315-0800 WAIT FOR ELECTRICIAN AND WORK ON SCR															
3.25		0800-1115 LAYDOWN NEAR BIT, SHOCK SUB & STRING STAB, MAKE UP BIT & BIT SUB AND RIH (WASH LAST 4 STANDS TO BOTTOM, NO FILL)															
0.25		1115-1130 DRILL 311MM HOLE FROM 360 TO 363M (TD SURFACE CASING)															
0.75		1130-1215 CIRCULATE BOTTOMS UP SAMPLE															
0.25		1215-1230 SURVEY @ 355M DEV 1 1/8DEG															
0.25		1230-1245 CIRCULATE BOTTOMS UP															
1.25		1245-1400 POOH (TIGHT HOLE) WORK PIPE FREE @ 300M															
4.25		1400-1815 WASH BACK TO BOTTOM & CIRCULATE. PUMP HIGH VIS SWEEP, PUMP OUT TO 233M, WORK TIGHT HOLE TO 225M.															
0.50		1815-1845 CIRCULATE HOLE CLEAN															
1.75		1845-2030 POOH TO SURFACE TO LAYDOWN STABILIZER															
0.25		2030-2045 RIG SERVICE - FUNC DIVERTER															
1.00		2045-2145 RIH WITH BIT ON SLICK ASSEMBLY TO CHECK FOR TIGHT SPOTS															
1.00		2145-2245 WASH TO BOTTOM FROM 280 - 363M, NO FILL															
0.75		2245-2330 CIRCULATE AND CONDITION HOLE PRIOR TO RUNNING CASING															
0.50		2330-2400 PULL OUT AND LAYDOWN 9" DRILL COLLARS															
Remarks:																	
PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN																	
OPERATIONS @ 0600: RUN 244MM CASING																	
24HR PLAN: RUN 244MM CASING, CIRCULATE HOLE CLEAN, CEMENT, WOC & NIPPLE UP BOP																	
Daily Mud Cost:	\$ 1,332	Daily Tangible Cost:		Daily Well Cost:	\$ 55,474	Accidents:											
Cum Mud Cost:	\$ 19,771	Cum Tangible Cost:		Cum Well Cost:	\$ 626,956	Total Appr: \$ 1,885,468											
Drill Water:		Potable Water:		Fuel:		Bulk Weight:		Neat Cement:		Blended:							
Country:	CANADA	Rig:	AKITA #4B	Rig Phone:	403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK											
Field:	OTHER	Lease:	CHEVRON ET AL MCKAY LAKE O-80	Well No:	O-80	Well ID: CRO009 -O											
API No:		AFE No:		Date: 27 Aug 99		Page: 7 Of 10											

CHEVRON

(Metric) Drilling Activity Report

Measured Depth:	360.0 m	TVD:	360.0 m	PBD:	0.0	Proposed MD:	1185.0 m	Proposed TVD:	1185.0 m																							
DOL:	6	DFS:	3	Spud Date:	08/24/99	Daily Footage:		Daily Rot Hrs:	14.8	Total Rot Hrs:	34.5																					
Torque:	4000	Drag:	3.0	Rot Weight:	57.0	P/U Weight:	60.0	Slack Off Weight:	54.0	Wind:		Seas:	0.0 / 0.0	Bar:	0	POB:	25															
Last Casing Size:	508.0 mm	Set At:	19.0m	MD	19.0m	TVD		Shoe Test:	0 EMW	Leakoff?																						
Cum Rot Hrs On Casing:	34.5	Cum Rot Hrs On Casing Since Last Caliper:	34.5	Depth Worst Wear:		% Remaining:																										
Liner Size:		Set At:	MD	TVD	Liner Top At:	MD	TVD																									
Mud Co:	MI DRILLING FLUIDS	Type:	SPUD MUD	Sample From:	FLOW	Wt:1070	FV: 93	PV: 24	YP: 20.5	Gel: 10 / 25																						
WL API:	7.1	HTHP:		FC (mm)	API: 1.0	HTHP: 0.0	Solids:	4.00	% Oil:	0.00	% Water:	0.00	% Sand:		MBT:	66.0	Ph:	9.0														
Pm:	2.00	Pf/Mf:	1.00 / 4.00	Carb:		Cl:	150	Ca:	12.2	Bent:	59.71	Solids %HG/LG:	/	%DS/Bent:	2.0 / 2.0																	
200	40KG BENTONIT	1	22KG CAUSTIC	29	11KG CELLOPHA	1	20KG LIME	57	13KG SAWDUST																							
1	25KG XCD																															
Drig Gas:		Max Gas:		Conn Gas:		Trip Gas:		Trip CL:		Remarks:																						
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out																						
2	437	311.0	REED	D42525	HP43A	19.0/19.0/19.0 / /	851	186.0 m	363.0 m	363.0 m																						
						/ / / /	0																									
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m																				
174.0	14.8	8.0/10.0	100 / 120	2	3	RR		E	IN		TD	\$ 330.35																				
		/	/																													
Total Length of BHA: 350.9m BHA Description: BIT/NEAR-BIT/SHOCK/STR-STAB/9"-DC/STR-STAB/5-9"-DC/9"-JAR/X/O-SUB/18-6-3/4"																																
DC/12-HWDP																																
								Hrs On Jars:	34.5	Hours Since Last Inspection:	34.5																					
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW																					
2	152.0/152.0/	/ /	120/120/	14700	3.06	59.86	42.18	87.26	108.10	0.9	751.30																					
	/ /	/ /	/ /																													
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS																								
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight							Total Hours Reported: 24.0																							
1.25	0000-0115 DRILL 311MM HOLE FROM 186M TO 194M																															
0.50	0115-0145 WORK STABS THROUGH RATHOLE (311MM)																															
2.50	0145-0415 DRILL 311MM HOLE TO 211M																															
0.50	0415-0445 WORK PIPE AND CONDITION HOLE PRIOR TO SURVEY																															
0.25	0445-0500 RIG SERVICE - FUNC DIVERTER 39SEC																															
0.25	0500-0515 SURVEY @ 203M DEV 1.5DEG																															
7.75	0515-1300 DRILL 311MM HOLE TO 286M																															
0.25	1300-1315 RIG SERVICE - FUNC DIVERTER																															
0.50	1315-1345 DRILL 311MM HOLE TO 286M																															
0.50	1345-1415 CIRCULATE AND WORK PIPE TO CLEAN HOLE																															
2.75	1415-1700 DRILL 311MM HOLE TO 360M																															
1.25	1700-1815 ACCUMULATED SURVEYS- 217M DEV 1DEG, 250M 0.75DEG, 277M 1DEG, 305M 1DEG, 330M 1DEG																															
1.75	1815-2000 WORK PIPE AND CLEAN HOLE																															
4.00 T	2000-2400 WORK ON SCR (CANNOT GENERATE DC POWER DUE TO AUX. POWER FAILURE)																															
	-																															
	- SINCE MIDNIGHT - RIGGED IN DOWELL PUMPER TO PUMP IF NECESSARY. GOT ENOUGH POWER TO THE RIG TO POOH WITH BHA TO																															
	- SURFACE (STRAPPED OUT).																															
	-																															
Remarks:																																
PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN																																
OPERATIONS @ 0600: PIPE/BIT OUT OF HOLE, WAIT FOR ELECTRICIAN TO REPAIR SCR (ON LOCATON)																																
24HR PLAN: REPAIR SCR, DRILL 3M W/ 311MM BIT TO TD, COND HOLE RUN CSG.																																
Daily Mud Cost:	\$ 9,236	Daily Tangible Cost:		Daily Well Cost:	\$ 89,956	Accidents:																										
Cum Mud Cost:	\$ 18,439	Cum Tangible Cost:		Cum Well Cost:	\$ 571,482	Total Appr: \$ 1,885,468																										
Drill Water:		Potable Water:		Fuel:		Bulk Weight:		Neat Cement:		Blended:																						
Country:	CANADA	Rig:	AKITA #48	Rig Phone:	403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK																										
Field:	OTHER	Lease:	CHEVRON ET AL MCKAY LAKE O-80	Well No:	O-80	Well ID: CRO009 -O																										
				API No:		AFE No:		Date: 26 Aug 99		Page: 6 Of 10																						

CHEV

(Metric) Drilling Activity Report

Measured depth: 186.0 m		TVD: 186.0 m		PBD: 0.0		Proposed MD: 1185.0 m		Proposed TVD: 1185.0 m																	
DOL: 5		DFS: 2		Spud Date: 08/24/99		Daily Footage:		Daily Rot Hrs: 8.8		Total Rot Hrs: 19.8															
Torque: 800		Drag: -2.0		Rot Weight: 4.0		P/U Weight: 2.0		Slack Off Weight: 2.0		Wind: Seas: 0.0 / 0.0 Bar: 0 POB: 25															
Last Casing Size: 508.0 mm		Set At: 19.0 m		MD 19.0 m		TVD		Shoe Test: 0 EMW		Leakoff?															
Cum Rot Hrs On Casing: 19.7		Cum Rot Hrs On Casing Since Last Caliper: 19.7		Depth Worst Wear:		% Remaining:																			
Liner Size:		Set At: MD		TVD		Liner Top At: MD		TVD																	
Mud Co: MI DRILLING FLUIDS		Type: SPUD MUD		Sample From: FLOW		Wt: 1084		FV: 51		PV: 11 YP: 7.5 Gel: 3 / 15															
WL API: 7.8 HTHP:		FC (mm) API: 1.0 HTHP: 0.0		Solids: 5.00		% Oil: 0.00		% Water: 0.00		% Sand: MBT: 51.1 Ph: 9.3															
Pm: 2.00		Pf/Mf: 1.00 / 4.00		Carb: CL: 150		Ca: 15.2		Bent: 39.91		Solids %HG/LG: / %DS/Bent: 4.0 / 1.0															
96 40KG BENTONIT		4 18LTR DETERGEN		1 22KG SAPP		1 22KG SODA ASH																			
Drig Gas:		Max Gas:		Conn Gas:		Trip Gas:		Trip CL:		Remarks:															
Bit Number		IADC		Size		Manufacturer		Serial number		Type		Jets		TFA		MD In		MD Out		TVD Out					
1		111		349.0		REED		R25805		Y11		22.1/22.1/22.1/ /		1151		0.0		186.0 m		186.0 m					
												/ / / /		0											
Meters		Hours		WOB		RPM		I-Row		O-Row		DC		Loc		B		G		Char		?Pull		Cost/m	
186.0		19.8		1.0/4.0		130 / 175		6		6		WT		A7		8		IN				TQ		\$ 234.68	
				/		/																			
Total Length of BHA: 90.17 m BHA Description: BIT/BIT-SUB/3-9"-DC/9"-JAR/3-9"-DC/X/O-SUB/3-6-3/4" DC																									
Hrs On Jars: 11.0 Hours Since Last Inspection: 11.0																									
Bit Num		Liner		Stroke		SPM		Press.		M3/Min		Jet Vel		DP Av		DC Av		Bit kW		BHHP/SQIN		Pump kW			
1		152.0/152.0/ 0.0		/ /		110/110/		8000		2.81		40.36		33.89		51.51		45.70		0.3		374.90			
		/ /		/ /		/ /																			
Survey MD		Angle		Azimuth		Direction		TVD		N/S Coordinates		E/W Coordinates		Vertical Section		DLS									
Hours		(From - To) Operations Covering 24 Hours Ending at Midnight												Total Hours Reported: 24.0											
1.00 T		0000-0100 WORK PIPE AND CLEAN HOLE/FLOWLINE (MUD RINGS)																							
0.25 T		0100-0115 SURVEY @ 80M, DEV @ 3/4 DEG																							
1.50		0115-0245 DRILL 349MM HOLE TO 108M																							
1.00 T		0245-0345 CLEAN MUD RING FROM FLOW LINE, WORK PIPE AND CIRCULATE HOLE																							
0.25		0345-0400 DRILL 349M HOLE TO 111M																							
0.50 T		0400-0430 CLEAN MUD RING FROM FLOW LINE, WORK PIPE & CIRCULATE HOLE																							
3.25 T		0430-0745 WIPER TRIP TO SURFACE TO CLEAN HOLE (BREAK UP MUD RINGS)																							
0.25		0745-0800 RIG SERVICE																							
1.50		0800-0930 DRILL 349MM HOLE TO 118M																							
0.75		0930-1015 WORK PIPE PRIOR TO SURVEY AND SURVEY @ 110M DEV 1/2 DEG																							
3.50		1015-1345 DRILL 349MM HOLE TO 156M																							
0.25		1345-1400 RIG SERVICE																							
0.50		1400-1430 WORK PIPE PRIOR TO SURVEY & SURVEY @ 146M DEV 1/2 DEG																							
1.75		1430-1615 DRILL 349MM HOLE TO 185M																							
0.50		1615-1645 WORK ON TOP DRIVE																							
0.75		1645-1730 WORK PIPE AND SURVEY @ 176M DEV 3/4 DEG																							
0.25		1730-1745 DRILL 349MM HOLE TO 186M, TORQUE INCREASED CONSIDERABLY																							
2.75		1745-2030 POOH WITH BIT TO RUN 311MM BIT & PACKED HOLE ASSEMBLY																							
Remarks:																									
PP&E DAILY WALK AROUND / RIG INSPECTION; MCNALLEY, NEWHOOK, COLEMAN																									
OPERATIONS @ 0600: DRILL AHEAD @ 213M LAST SURVEY 1.5 DEG.																									
24HR PLAN: CONT DRILL AHEAD TO TD SURFACE W/ 311MM BIT, COND HOLE RUN CSG.																									
Daily Mud Cost: \$ 488		Daily Tangible Cost:				Daily Well Cost: \$ 48,107				Accidents:															
Cum Mud Cost: \$ 9,203		Cum Tangible Cost:				Cum Well Cost: \$ 481,526				Total Appr: \$ 1,885,468															
Drill Water:		Potable Water:		Fuel:		Bulk Weight:		Neat Cement:		Blended:															
Country: CANADA		Rig: AKITA #48				Rig Phone: 403-204-2119				Drilling Rep: MCNALLEY/NEWHOOK															
Field: OTHER		Lease: CHEVRON ET AL MCKAY LAKE O-80				Well No: O-80				Well ID: CRO009 -O															
API No:		AFE No:				Date: 25 Aug 99				Page: 5 Of 10															

CHEVRON

(Metric) Drilling Activity Report

[illegible]

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(Metric) Drilling Activity Report

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CHEVROLET

(Metric) Drilling Activity Report

Measur.	ch:		TVD:		PBTD:		Proposed MD:		Proposed TVD:	
DOL:	2	DFS:	Spud Date:	08/24/99	Daily Footage:		Daily Rot Hrs:		Total Rot Hrs:	
Torque:		Drag:	Rot Weight:		P/U Weight:		Slack Off Weight:		Wind:	
Last Casing Size:	508.0 mm	Set At:	MD	TV D	Liner Top At:	MD	Shoe Test:	O EMW	Leakoff?	
Cum Rot Hrs On Casing:		Cum Rot Hrs On Casing Since Last Caliper:		Depth Worst Wear:		% Remaining:				
Mud Co:	Type:	Sample From:	FLOW Wt:	FV:	PV:	YP:	Gel:	/		
WL API:	H THP:	FC (mm) API:	H THP:	Solids:	% Oil:	% Water:	% Sand:	MBT:	Ph:	
Pm:	Pf/Mf:	/ Carb:	CL:	Ca:	Bent:	Solids %HG/LG:	/	%DS/Bent:	/	
Drig Gas: Max Gas: Conn Gas: Trip Gas: Trip CL: Remarks:										
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
						/ / / /	0			
						/ / / /	0			
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char ?Pull Cost/m
		/	/							
		/	/							
Total Length of BHA: BHA Description:										
							Hrs On Jars:	Hours Since Last Inspection:		
Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN Pump kW
	/ /	/ /	/ /							
	/ /	/ /	/ /							
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS		
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight						Total Hours Reported: 12.0		
12.00	0800-2000 RIG UP TO SPUD.									
-	DERRICK UP AT 1430 HRS.									
-	NO INCIDENTS. EST SPUD WEDS MORNING.									
-	WEATHER: CLEAR AND SUNNY.									
-										
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Remarks:										
Daily Mud Cost: \$ 1,054	Daily Tangible Cost:			Daily Well Cost: \$ 16,105			Accidents:			
Cum Mud Cost: \$ 2,331	Cum Tangible Cost:			Cum Well Cost: \$ 178,942			Total Appr: \$ 1,885,468			
Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement:	Blended:					
Country: CANADA	Rig: AKITA #48			Rig Phone: 403-204-2119			Drilling Rep: PAUL GOVIN			
Field: OTHER	Lease: CHEVRON ET AL MCKAY LAKE O-80			Well No: O-80			Well ID: CR0009 -O-			
API No:			AFE No:			Date: 22 Aug 99	Page: 2 Of 10			

CHEVRON

(Metric) Drilling Activity Report

Measured Depth:		TVD:		PBD:		Proposed MD: 1185.0 m		Proposed TVD: 1185.0 m				
DOL: 1	DFS:	Spud Date: 08/24/99		Daily Footage:		Daily Rot Hrs:		Total Rot Hrs:				
Torque:	Drag:	Rot Weight:	P/U Weight:	Slack Off Weight:		Wind:	Seas: /	Bar:	POB:			
Last Casing Size:		Set At:		MD		19.0m TVD		Shoe Test: EMW Leakoff?				
Cum Rot Hrs On Casing:		Cum Rot Hrs On Casing Since Last Caliper:				Depth Worst Wear:		% Remaining:				
Liner Size:		Set At:		MD		TVD		Liner Top At: MD TVD				
Mud Co:		Type:		Sample From: FLOW		Wt:	FV:	PV:	YP:	Gel: /		
WL API:	HTHP:	FC (mm)	API:	HTHP:	Solids:	% Oil:	% Water:	% Sand:	MBT:	Ph:		
Pm:	Pf/Mf: /	Carb:	CL:	Ca:	Bent:	Solids %HG/LG: /		%DS/Bent: /				
Drig Gas:		Max Gas:		Conn Gas:		Trip Gas:		Trip CL:		Remarks:		
Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets		TFA	MD In	MD Out	TVD Out	
						/ / / /		0				
						/ / / /		0				
Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
		/	/									
		/	/									
Total Length of BHA:		BHA Description:										
							Hrs On Jars:	Hours Since Last Inspection:				
Bit Num	Liner	Stroke		SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
	/ /	235.0 / 235.0 / 254.0		/ /								
	/ /	235.0 / 235.0 / 254.0		/ /								
Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section		DLS			
Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight						Total Hours Reported: 12.0				
12.00	0800-2000 MI RIG WITH MULLEN TRUCKING FROM K-29 TO O-80.											
	- ALL LOADS ON LEASE. RAIN IN AFTERNOON.											
	- ROADS AND LEASE IN GOOD CONDITION. NO INCIDENTS											
	- SPOT BUILDINGS, PIN DERRICK.											
	- 18M OF 508MM CONDUCTOR PIPE SET IN CLAY.											
	- CONDUCTOR PIPE PRESSURE CEMENTED WITH 3T CNT.											
	- NO WATER WELL-DRILLED TO 100M-SILTY CLAY.											
	-											
	-											
	-											
	-											
	-											
	-											
	-											
	-											
	-											
	-											
Remarks:												
Daily Mud Cost: \$ 1,277		Daily Tangible Cost:			Daily Well Cost: \$ 162,837			Accidents:				
Cum Mud Cost: \$ 1,277		Cum Tangible Cost:			Cum Well Cost: \$ 162,837			Total Appr: \$ 1,885,468				
Drill Water:		Potable Water:		Fuel:	Bulk Weight:		Neat Cement:		Blended:			
Country: CANADA				Rig: AKITA #48		Rig Phone: 403-204-2119		Drilling Rep: PAUL GOUIN				
Field:				Lease:		Well No:		Well ID: CR0009 -0				
API No:				AFE No: RWWNC-R9013-400		Date: 21 Aug 99		Page: 1 Of 10				