Daily Drilling
Completion Rep

CHEVRON (Metric) **Daily Completion/WO Report**

Jm25-May 10 1999

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 41	Auth.Days:	MD: 3000.0 m	TVD: 2916.0 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB:
Mud Type:	Wt:	FV:		PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD	Cmt.Top@ 0.0
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
6.00	0000-0600 RIG WATCH, WAIT ON DAYLIGHT.	
12.0	0600-1800 RIG WATCH, FILL 400 BBL WATER TANK FOR CAMP.	
6.00	1800-2400 RIG WATCH, WAIT ON DAYLIGHT.	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron: 24.0	Travel:	Tongs:	Circ. Equip:		Incidents:

Remarks:
RIG WATCH & PREPARE FOR TEMPORARY SHUT DOWN, WAITING ON WEATHER
& EQUIPMENT FOR COMPLETION.

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 35,886		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,891,570	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 10-MAY-99
			Page: 1 Of 1

CHEVRON

(Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 40	Auth. Days:	MD: 3000.0 m	TVD: 2916.0 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00
Mud Type:	Wt:	FV:		Wind:	Seas: 0.0/0.0	Bar: 0	MPD:
				PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade: L-80	Set @ 2500.0 m MD	2491.4 m TVD		Cmt. Top@ 0.0
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
88.9	12.95	L-80	8RD	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "AC-2" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data: Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
6.00	0000-0600 RIG WATCH WAIT DAYLIGHT.	
12.0	0600-1800 RIG WATCH & SLING OUT LEE TOOL EQUIPMENT TO FT. LIARD.	
6.00	1800-2400 RIG WATCH & WAIT ON DAY LIGHT.	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron: 24.0	Travel:	Tongs:	Circ. Equip:		Incidents:

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 37,500		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 2,644,853	Total Appropriated Cost:	$ 1,755,000

Materials On Hand:

AFE Number: [illegible]-[illegible]-[illegible]	API Well Number: 300[illegible]29603012	Well ID: CRD008	Project ID: 1
Country: CANADA	Rig: AKITA 440	Rig Phone: 403-204-2119	Drilling Rep: MCNALLIY
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID[illegible]816	Date: 9-MAY-99
			Page: 1 Of 1

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 39	Auth.Days:	MD: 3000.0 m	TVD: 2916.0 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00		Orig KB Elev: 0.00
				Wind:	Seas: 0.0 / 0.0	Bar: 0 / POB:
Mud Type:		Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD		Cmt.Top@ 0.0
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
6.00	0000-0600 WAIT ON DAYLIGHT. SNOWING ALL NIGHT.	
12.0	0600-1800 SEND OUT PRODUCTION CREWS. HEAVY SNOW. UNABLE TO GET ALL PERSONNEL OUT .TWO REMAINING.	
6.00	1800-2400 RIG WATCH.	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron: 24.0	Travel:	Tongs:	Circ. Equip:		Incidents:

Remarks:

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost:		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,818,184	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWUNC-R8029-500		API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 08-MAY-99	
			Page: 1 Of 1	

CHEVRON ETAL LIARD K-29 (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 28	Auth.Days:	MD: 3000.0 m	TVD: 2736.2 m	PBTD: 0.0	
Job Description: COMPLETE AND TEST				KB Correction: 0.00		Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0	POB: 34
Mud Type:		Wt:	FV:	PV:	YP:	WL:	
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade: L-80	Set @ 2500.0 m MD	2491.4 m TVD		Cmt.Top@ 0.0	
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 9x44-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 22.75
8.00	0000-0800 WAIT FOR PARTS. FIX SCHLUMBERGER WIRELINE TRUCK.	
2.00	0800-1000 RIG UP WIRELINE EQUIPMENT.	
3.00	1000-1300 RUN IN HOLE PRODUCTION LOGGING TOOLS.	
0.83	1300-1350 CONDUCT BASE TEMPERATURE STATIC PASS DOWN.	
0.42	1350-1415 CONDUCT STATIC FLOWMETER CALIBRATION PASSES.	
4.75	1415-1700 OPEN WELL TO FLOW . CONDUCT FLOWING PASSES DOWN TO 2850 METERS.	
1.50	1700-1730 INCREASE FLOWRATE. CONDUCT FLOWING PASSES DOWN TO 2850 METERS.	
1.25	1730-1845 INCREASE FLOWRATE. CONDUCT FLOWING PASSES DOWN TO 2850 METERS.	
0.75	1845-1930 DECREASE WELL FLOWRATE. RUN TOOLS TO 2879 METERS - TAGGED LEDGE; COULD NOT GET DEEPER.	
0.75	1930-2015 SHUT WELL IN. CONDUCT STATIC TEMPERATURE PASS DOWN.	
0.75	2015-2100 START STATIC TEMP PASS UP - TOOLS STUCK AT 2780 METERS.	
1.00	2100-2200 WORK STUCK / TIGHT TOOLS UP INTO TAILPIPE BOTTOM.	
1.75	2200-2345 HOIST WIRELINE. RIG DOWN WIRELINE EQUIPMENT.	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron: 24.0	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PRODUCTION LOG OPERATIONS COMPLETE. WELL SECURED FOR EXTENDED PERIOD
AWAITING INSTALLATION OF FINAL PRODUCTION TUBING STRING / PERMANENT PACKER.

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 45,293	Chevron %: 42.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,656	Cum Well Cost: $ 2,549,853	Total Appropriated Cost: $ 4,755,000

Materials On Hand:

AFE Number: NWNC-R8029-300		API Well Number: 300K29L03002	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: TRIOMPHE / KALSI	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 7-MAY-99	
			Page: 1 Of 1	

CHEVRON ETAL LIARD K-29 (Metric) **Daily Completion/WO Report**

Spud Date: 02/02/99	Start Date: 03/30/99	Actual Days: 37	Auth. Days:	MD: 3000.0 m	TVD: 2394.2 m	PBTD: 0.0	
Job Description: COMPLETE AND TEST				KB Correction: 0.00		Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0	POI: 34
Mud Type:			WT:	FV:	PV:	YP:	WL:
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade: L-80	Set @ 2500.0 m MD	2491.4 m TVD		Cmt-Top@ 0.0	
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96.44-40 "SC-2" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
7.00	T0000-0700	WAIT OVERNIGHT TO CONTINUE PRODUCTION LOG.	
0.50	T0700-0730	PICK UP SCHLUMBERGER / LEE TOOL PRODUCTION LOG TOOLS.	
1.00	T0730-0830	INVESTIGATE SCHLUMBERGER TRUCK ENGINE PROBLEM - LEAKING FROM FUEL INJ PUMP.	
5.00	T0830-1330	WAIT FOR NEW FUEL PUMP FROM GRANDE PRAIRIE (AIR FLIGHT DELIVERY).	
0.75	T1330-1415	INSTALL NEW FUEL PUMP.	
2.75	T1415-1700	START IN HOLE PRODUCTION LOGGING TOOLS. MORE PROBLEMS WITH SCHLUMBERGER TRUCK.	
3.00	T1700-2000	HOIST WIRELINE TOOLS. ORDER OUT PARTS AND MECHANIC FOR BROKEN SCHLUMBERGER TRUCK.	
6.00	T1800-2400	WAIT FOR ARRIVAL OF PARTS, AND LEE TOOL MEMORY PRODUCTION LOGGING TOOLS IN THE EVENT THAT PRODUCTION LOG MUST BE	
	T -	RAN ON SLICKLINE.	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	HSE
Contractor:	Chevron: 24.0	Travel:	Tangs:	Circ. Equip:		Incidents: NONE

Remarks:
ATTEMPTED TO RUN PRODUCTION LOG, BUT UNABLE TO BECAUSE OF CONTINUING PROBLEMS WITH SCHLUMBERGER TRUCK ENGINE.

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 33,436		Chevron %: 62.000
Cum Mud Cost: $ 3,593	Cum Tangible Cost: $ 172,850	Cum Well Cost: $ 2,629,460	Total Appropriated Cost:	$ 3,755,000
Materials On Hand:				

AFE Number: AWWC-PA029-500	API Well Number: 2000K2960132	Well ID: CK000A	Project ID: 3
Country: CANADA	Rig: ARCTIC 48	Rig Phone: 403-[illegible]-2119	Drilling Rep: TRIPPING / FALSE
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: K29H1A1A	Date: 6-MAY-99
			Page: 3 of 3

Chevron Canada Resources

PRODUCTION TOUR REPORT

Well Name: Chevron etal Liard K-29
Well ID: [illegible] - 300 (well completion)

LSD: K-29 (within grid area 60° 36', 123° 30')
Date: May 5, 1999
Day Number: 12

	CREW		FROM	TO	TIME SUMMARY
DAY CREW	Driller				
	Derrick		7:00	7:30	Pick up electric line equipment.
	Derrick		7:30	8:30	Investigate Schlumberger truck problems - truck engine fuel pump leaking diesel onto ground.
	Roustabout		8:30	1:30	Wait on new fuel pump - air flight from G Prairie to Ft Nelson, helicopter from Ft Nelson to location.
	Floor		1:30	14:15	Install new fuel pump.
	Floor		14:15	17:00	Start in hole Lee Tool production logging tools. RIH to 2000 meters - trouble with Schlumberger truck engine.
	Lease		17:00	17:15	Investigate Schlumberger engine problems - running hot, smoking bad and rough idle.
	Lease Pump		17:15	18:00	Hoist wireline - truck must be repaired.
	Air Shut Off		18:00	22:30	Shut down for truck repairs, and for Lee Tool memory PL tools (for backup plan).
	Stab Valve				
	File Rd.				
	H2S				
NIGHT CREW	Driller				
	Derrick				
	Derrick				
	Roustabout				PP&E Summary:
	Floor				Near miss incidents - none to report
	Floor				Spills or emissions - none to report
	BOP				
	Lease Pump				
	Air Shut Off				
	Stab Valve				
	File Rd.				

	Today	Cum. Rework only	Cum. Rework & Compl	Completion Only
Tangible				
Intangible	***** Costs and operations summary to be reported in duplicate DISWin prepared for today.			
Total				

Arne Dating Rig 848	Ray Coleman
Lee Tool (Schlumberger Division)	Dale [illegible]
BOG OR CONTRACTOR	CONTRACTOR REP

JOB OBJECTIVE: Stimulate and conduct production test - Nahanni open hole lower fractured interval.

DETAILS: Attempt to conduct Lee Tool production log to determine flow profile of Nahanni open hole interval.

Pick up Schlumberger / Lee Tool production logging tools. Trouble with Schlumberger logging unit truck engine - leaking fuel onto ground. Order out repair parts; wait on new parts for arrival and installation.

Open wellhead. RIH production logging tool string on Schlumberger electric wireline. RIH to 2000 meters. Trouble encountered again with Schlumberger truck engine - high operating temperature, high oil level, low coolant level, low power level.

Hoist tools - must fix Schlumberger truck before continuing. Close wellhead, bleed off lubricator and secure well.

Order out Schlumberger Grande Prairie mechanic and additional parts, as well as Lee Tool memory production logging tools in event that production log must be conducted on slickline.

Wait on mechanic overnight - will fly to Ft Liard, but must wait for first daylight to helicopter to location.

Company Representative: _____
Curtis Triomphe / DJ Kidal
Jerry McKinley

Chevron Canada Resources

PRODUCTION TOUR REPORT

Chevron

Well Name: Chevron etal Liard K-29
WBS#: [illegible] - R8029 - 500 (well completion)

LSD: K-29 (within grid area 60° 30' 123° 30')
Date: May 5, 1999
Day Number: 11

	CREW		FROM	TO	TIME SUMMARY
DAY CREW	Driller				
	Derrick		7:00	8:50	Rig up electric line equipment.
	Derrick		8:50	9:00	Conduct safety meeting.
	Motorman		9:00	10:40	Hook up / troubleshoot Lee Tool production logging panel and Schlumberger electric line system.
	Floor		10:40	11:40	RIH production logging tools.
	Floor		11:40	12:45	Log base temperature pass down.
	Lease		12:45	14:00	Conduct flowmeter calibration passes.
	Accum Press.		14:00	14:15	Open well to flow; allow to stabilize.
	Air Shut Off		14:15	14:45	Log flowmeter pass down; then up.
	Sub Valve		14:45	15:30	Wireline stuck @ grease tube - could not go down, or up. Evaluate problem; shut in well.
	Fire Ext.		15:30	18:00	Pump methanol to lubricator to clear possible hydrate (?).
	H-25		19:00	19:30	Wireline free from stuck point. Run down 100 meters - OK. Pull up 150 meters - OK.
			18:30	18:40	Evaluate / troubleshoot 40 milliamp current drain downhole - problem with tools or wireline?
NIGHT CREW	Driller		18:40	22:00	Hoist wireline to check out current drain.
	Derrick				Secure well for night.
	Derrick				
	Motorman				FP&E Summary:
	Floor				Near miss incidents - none to report
	Floor				Spills or emissions - none to report

	Today	Cum. Rework only	Cum. Rework & Compl	Completion Only
Tangible				
Intangible				
Total				

**** Costs and operations summary to be reported in duplicate DISWin prepared for today.

Alta Drilling Rig #40	Ray Coleman
Lee Tool (Schlumberger Division)	Dale Sallstrom
RIG OR CONTRACTOR	CONTRACTOR REP.

JOB OBJECTIVE: Stimulate and conduct production test - Nahanni open hole lower fractured interval.

DETAILS: Conduct Lee Tool production log to determine flow profile of Nahanni open hole interval.

Rig up Schlumberger open hole logging unit. Install Lee Tool production logging electrical panel equipment into Schlumberger data acquisition system. Pick up Lee Tool lubricator c/w Schlumberger grease injection equipment. Make up Lee Tool production logging tool string consisting of full bore flowmeter, temperature, pressure, gamma ray, CCL.

Open wellhead. RIH production logging tool string on Schlumberger Vector sour service 5.56 mm OD electric wireline. RIH to 2450 meters.

Log down Lee Tool production log initial base temperature pass from 2450 meters to 2850 meters (tools hung up at 2679 meters; picked up, then ran back down OK) - did not go deeper than 2850 down to suspected tag depth 2860 meters to ensure no damage to fullbore flowmeter.

Conduct static up / down fullbore flowmeter calibration passes at 10 m/min, 20 m/min and 30 m/min - OK.

Position tools at 2775 meters. Open well to flow through Norward test equipment on 10.3 mm choke at 328 e3m3/day. Well flowrate stable in 20 minutes.

Log spinner flowing pass down from 2675 to 2850 meters at 20 m/min. Estimated 95% flow originating from below 2850 meters, with remaining 5% originating from interval 2710 to 2730 meters.

Log spinner flowing pass up from 2850 to 2665 meters. Prepare to run down for next flowmeter flowing pass - wireline would not move down, could not move up. Suspect that Schlumberger wire stranded and birdcaged underneath Schlumberger grease tube at top of Lee Tool lubricator. Shut well in at Norward test manifold.

Hoist man on rig tugger line to inspect Schlumberger wire at top of grease tube - all visually OK. Hook up Norward methanol pump to Lee Tool lubricator needle valve. Pump 60 litres of methanol to lubricator while monitoring Schlumberger line tension - after 2 hours pumping methanol; line tension gradually returned to near normal.

Check Schlumberger line movement - able to go down; able to come up OK. Methanol injection apparently cured problem (but problem not confirmed to be hydrate formation in lubricator).

Run in hole 100 meters to 2760 meters - while checking tool electrical. Tools drawing excess current at 40 milliamps - indicating short curcuit in either Schlumberger wireline or Lee Tool tool string; unable to repair from surface.

Hoist Lee Tool production logging tool string to check tool problem.

Company Representative: _____
Curtis Triomphe / BJ Kalsi
Jerry McMalley

Chevron Canada Resources

Chevron

PRODUCTION TOUR REPORT

Well Name: Chevron etal Liard K-29
WBS E# RXXXNC.-R1029-300 (well completion)

LSD : K-29 (within grid area 60° 30' 123° 30')
Date: May 4, 1999
Day Number: 10

	CREW		FROM	TO	TIME SUMMARY
DAY CREW	Driller				
	Derrick		14:30	15:00	Rig up slickline equipment.
	Derrick		15:00	15:34	RIH - pull gauges off bottom.
	Motorman		15:34	16:00	Hoist gauges.
	Floor		16:00	17:00	RIH. Latch onto dart. Hoist.
	Floor		17:00	20:45	Make up new LMR gauges. RIH making static gradient stops. Hoist.
	Leases		20:45	21:30	Rig down slickline equipment
	Accum Press				Secure well for night.
	Air Shut Off				
	Stab Valve				
	Fire Ext				
	H2S				
NIGHT CREW	Driller				
	Derrick				
	Derrick				
	Motorman				PFAE Summary:
	Floor				Near miss incidents - none to report
	Floor				Spills or emissions - none to report
	BOP				
	Accum Press				
	Air Shut Off				
	Stab Valve				
	Fire Ext.				

	Today	Cum. Rework only	Cum. Rework & Compl	Completion Only
Tangible				
Intangible	---- Costs and operations summary to be reported in duplicate DrSWin prepared for today.			
Total				

Akita Drilling Rig #41	Ray Coleman
Lee Tool (Schlumberger Division)	Dale Hampton
RIG OR CONTRACTOR	CONTRACTOR REP.

JOB OBJECTIVE: Stimulate and conduct production test - Nahanni open hole lower fractured interval.

DETAILS: Pull lower set of Lee Tool LMR pressure gauges to dtermine final pressure buildup from extended prodn test.

Pick up Lee Tool slickline equipment. Make up lubricator assembly onto top of wellhead. Conduct safety meeting. Open wellhead - SITP 22,410 kPa.

RIH Camco JDC pulling tool. RIH - latch onto top Lee Tool LMR gauges; landed depth 2844 mKB.

Pull gauges off bottom at 15:34 hours. Hoist LMR gauges - download data and send via modem to Chevron Calgary.

Make up Camco tool. RIH and latch onto 64.28 mm OD finned dart from top of Otis RN nipple at 2850.34 mKB at 88.9 mm tailpipe bottom. Hoist tools.

Make up new set Lee Tool LMR gagues. Pull out of hole conducting static gradient (10 minute stops) as follows:
Continue Lee Tool static gradient making 10 minute stops as follows:

surface		
500	2750	
1000	2800	
1500	2850	
2000	2880	maximum achievable depth (as on previous gradient April 12 1999 suspect open hole ledge)
2500		
2550		
2600		
2650		
2700		

Download gradient data and send to Calgary.

Rig up Lee Tool / Schlumberger equipment for upcoming production log tomorrow.

Company Representative: ____________
Curtis Thrompha / BJ Kaul

CHEVRON ETAL LIARD K-29

DAILY DRILLING REPORT (Metric)

OPERATOR STATUS: OP

3-MAY-99 OPERATIONS

WESTERN CANADA

EXPLORATORY WELL

COUNTRY: CANADA
FIELD: FT. LIARD
WELL NAME: CHEVRON ET AL FT LIARD
CHEVNO: CR0008-1
CHEVRON SHARE: 62.0%
AFE #: RWWNC-R8029-500
LAST SURVEY: @
OPERATOR: CHEVRON
CASING: @
GEOLOGICAL OBJECTIVE:
NAHANNI

LEASE: CHEVRON ET AL FT. LIARD K-29
RIG: AKITA #48
MUD WT:
CUR MD:
APP MD: 3000.0m
CURR TVD:
APP TVD: 2916.2m
PBTD:
JOB TYPE: INITIAL COMPLETION

CURR DAYS:
APP DAYS:
COST TO DATE: $ 2,377,255
TOTAL AUTH: $ 1,755,000
CHEVRON COST: $ 1,473,898
WTR DEPTH:

CONTINUE TO MONITOR WELL BUILDUP PRESSURE WITH LMR PRESSURE RECORDERS.
RAIN FOLLOWED BY SNOW ALL DAY - LEASE AND ROAD WET AND SOFT

PRESENT OPERATIONS:
AWAITING LEE TOOL ARRIVAL TO PULL RECORDERS.

Chevron
Canada Resources

Fax Transmission

Date: 5/4/1999 **Time:** 6:26:57 AM **Pages:** 2 (including cover)

To: Andy Graw

Dept./Company: NEB

Fax No.: 9 292 5876

Phone No.:

From: Chevron Canada Resources
500 - 5 Avenue S.W.
Calgary, AB T2P 0L7
Voice (403) 234-5000
Fax (403) 234-5334

Name: Elliot, Deborah (DJEL)

Subject:

Note: I'll forward more reports as I receive them. The location has been having satelite communication problems.

CHEVRON ET AL LIARD K-29

(Metric) **Daily Completion/WO Report**

Spud Date: 02/02/99	Start Date: 03/31/99	Actual Days:	Auth.Days:	MD:	TVD:	PBTD:	
Job Description: COMPLETE AND TEST				KB Correction: 0.00		Orig KB Elev: 0.00	
				Wind:	Seas: /	Sar:	PGS:
Mud Type:		Wt:	FV:	PV:	YP:	WL:	
Prod Casing Size:	Weight:	Grade:	Set @ MD	TVD		Cst.Top@	
Liner Size:	Weight:	Grade:	Set @ MD	TVD	Top @ MD	TVD	

Tubing Size	Wt.	Grade	Threads	Depth	Details
88.9	12.95	L-80	EUE	[illegible]	

Packer Set At	Description	Perforations From	To	Details
[illegible]	BAKER SIZE [illegible] "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
24.0	0000-2400 MONITOR WELL PRESSURE WITH LMR PRESSURE RECORDERS.	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tangs:	Circ. Equip:		Incidents:

Remarks:
LMR PRESSURE RECORDERS ARE LANDED ON TOP OF HOGO FITTING ON ROW NIPPLE.

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 20,778		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 375,454	Cum Well Cost: $ 2,377,855	Total Appropriated Cost: $ 3,782,000	

Materials On Hand:

AFE Number: [illegible]	API Well Number: [illegible]	Well ID: [illegible]	Project ID: 3
Country: CANADA	Rig: [illegible]	Rig Phone: [illegible]	Drilling Co:
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: [illegible]	Date: 3-MAY-99
			Page: 1 OF 1

CHEVRON

(Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 30	Arch. Days:	MD: 3000.0 m	TVD: 2414.2 m	PBTD: 0.0	
Job Description: COMPLETE AND TEST				KB Correction: 0.00		Grip KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0	Pos: 34
Mud Type:		Wt:	FV:	PV:	YP:	WL:	
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade: L-80	Set @ 2500.0 m MD	2414.4 m TVD		Cmt. Top @ 0.0	
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
88.9	12.95	L-80	SSS	2450.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE "HA4-40 "SC-2" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
24.0	0000-2400 CONTINUE TO MONITOR WELLBORE PRESSURE BUILDUP WITH LEE TOOL LMR PRESSURE RECORDERS LANDED AT TAILPIPE BOTTOM.	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H2S:
Contractor:	Chevron: 24.0	Travel:	Tanks:	Circ. Equip:		Incidents: NONE

Remarks:
CONTINUE TO MONITOR WELLBORE PRESSURE WITH LMR RECORDERS.
WEATHER SUNNY - ROAD BEGINNING TO DRY; MOVING WITH CAT TOICE / DAY.

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 35,628		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,866	Cum Well Cost: $ 2,210,794	Total Appropriated Cost: $ 3,735,000	

Materials On Hand:

AFE Number: NWANC R8029 ICO	API Well Number: 00006F1-00018	Well TD: CR5006	Project TD: 0
Country: CANADA	Rig: AKITA 648	Rig Phone: 403-204-2119	Drilling Rep: CURTIS THIOMPHE
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WI001834	Date: 29-APR-99
			Page: 2 of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/08/99	Start Date: 02/24/99	Actual Days: 24	Auth. Days:	MD: 3000.0 m	TVD: 2994.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 34
Mud Type:		Wt:	FV:	PV:	YP:	Wt:
Prod Casing Size: 244.5 mm	Weight: 49.94	Grade: L-80	Set @ 2500.0 m MD	2470.4 m TVD		Cmt. Top@ 0.0
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
88.9	32.95	L-80	EUE	2480.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 'HAM-40 "SC-2" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
24.0	0000-2400 CONTINUE TO MONITOR PRESS BUILDUP WITH LPR SETUP #2.	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron: 24.0	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 48,788		Chevron %: 48.000
Cum Mud Cost: $ 3,181	Cum Tangible Cost: $ 378,856	Cum Well Cost: $ 2,175,344	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: R0BBC-R8029-000	AFE Well Number: 300KPW0000	Well ID: CR0006	Project ID: 3
Country: CANADA	Rig: AKITA #46	Rig Phone: 403-234-2119	Drilling Rep: CURTIS TRIOMPHE
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: 100/01-01	Date: 28-APR-99
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CHEVRON

(Metric) Daily Completion/WO Report

Spud Date: 03/03/99	Start Date: 03/31/99	Actual Days: 28	Auth.Days:	MD: 3000.0 m	TVD: 2914.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00
				Wind:	Seas: 0.0/0.0	Bar: 0	RCS: 14

Mud Type:	Wt.:	FV:	PV:	YP:	WL:	
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade: L-80	Set @ 2500.0 m MD	2491.4 m TVD	Cut.Type 0.0	
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
88.9	13.95	L-80	8RD	2450.6	

Packer Set At	Description	Perforations From	To	Details
2453.9	BAKER SIZE 96M-40 "SC-2F" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 0
	0000- MONITOR PRESSURE BUILDUP	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H2S:
Contractor:	Chevron: 24.0	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
CONTINUE TO MONITOR BUILDUP PRESSURE WITH IAR, SET #2.

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 33,638		Chevron %: 62.000
Cum Mud Cost: $ 2,841	Cum Tangible Cost: $ 172,888	Cum Well Cost: $ 2,126,434	Total Appropriated Cost: $ 1,752,000	

Materials On Hand:

AFE Number: EN98C-B0029-500	AFE Well Number: 30KE19603012	Well ID: CN0008	Project ID: 1
Country: CANADA	Rig: ARITA #49	Rig Phone: 403-204-2119	Drilling Rep: COSTIN TRIGHEB
Field: FT. LAMED	Lease: CHEVRON HZ AL FT. LAMED K-29	Well No: WIN8815	Date: 27-APR-99
			Page: 1 Of 1

CHEVRON

(Metric) Daily Completion/WO Report

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 27	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0	
Job Description: CONCLUDE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00		
				Wind:	Seas: 0.0/0.0	Bar: 0	POB: 14
Mud Type:		Wt:	PV:	YP:			

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade: L-80	Set @ 2500.0 m MD	2481.4 m TVD		Cmt.Top: 0.0
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
88.9	12.95	L-80	EU	2558.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	ENGER SIZE 9CM4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24
6.00	1100-1800 FULL PRESSURE RECORDER SET #1	
5.00	1900-2400 MONITOR PRESSURE. WAIT FOR RECORDS.	
13.0	0000-1200 MONITOR BUILDUP PRESSURE	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 35,628		Chevron %: 62.000
Cum Mud Cost: $ 3,563	Cum Tangible Cost: $ 272,884	Cum Well Cost: $ 2,090,010	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: BMGC-D0029-300		API Well Number: 300X06032032	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: NOTEX #46	Rig Phone: 403-204-2119	Drilling Rep: CURTIS TRUDEAU	
Field: FT. LAMED	Lease: CHEVRON EX No. FT. LAMED K-29	Well No: WX01016	Date: 26-APR-99	
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Chevron Canada Resources

PRODUCTION TOUR REPORT

Well Name: Chevron etal Liard K-29
WBS#: RWWNG - R9029 - 500 (well completion)

LSD: K-29 (within grid area 60° 30' 123° 30')
Date: April 28, 1999
Day Number: 9

	CREW		FROM	TO	TIME SUMMARY
DAY CREW	Driller				
	Derrick		13:16	16:16	Rig up slickline equipment.
	Derrick		16:16	16:12	RIH - pull gauges off bottom.
	Motorman		16:12	18:28	POOH conducting static gradient.
	Floor		18:35	19:15	Lay down slickline.
	Floor				
	Floor				
	Accum Press.				
	Air Shut Off				
	Stab Valve				
	Fire Ext.				
	H2S				
NIGHT CREW	Driller				
	Derrick				
	Derrick				
	Motorman				PP&E Summary:
	Floor				Near miss incidents - none to report
	Floor				Spills or emissions - none to report
	BOP				
	Accum Press.				
	Air Shut Off				
	Stab Valve				
	Fire Ext.				

	Today	Cum. Rework only	Cum. Rework & Compl	Completion Only
Tangible	***** Costs and operations summary to be reported in DIBWin.			
Intangible				
Total				

Akita Drilling Rig #48	Ray Coleman
Lee Tool (Schlumberger Division)	Dale Sanborn
RIG OR CONTRACTOR	CONTRACTOR REP.

JOB OBJECTIVE: Stimulate and conduct production test - Nahanni open hole lower fractured interval.

DETAILS: Pull upper set of Lee Tool LMR pressure gauges to check pressure buildup.

Pick up Lee Tool slickline equipment. Make up lubricator assembly onto top of wellhead - with enough lubricator sections to reach above rotary table of Akita Rig #48. Conduct safety meeting. Open wellhead - SITP 22,200 kPa.

RIH Camco JDC pulling tool. RIH - latch onto top Lee Tool LMR gauges; landed depth 2639 mKB.

Pull gauges off bottom at 16:12 hours.

Pull out of hole conducting static gradient (10 minute stops) as follows:

2600
2550
2500
2400
2300
2200
2000
1500
1000
500
surface

Download upper gauge pressure and temperature data (pressure at start of flow test 27901 kPa; pressure at end of flow test 26490 kPa; pressure when gauges pulled off bottom 27842 kPa - maximum recorded bottom hole temp 153.7° Celcius). Download lower gauge pressure and temperature data - malfunction of transducer during day # 6 of extended rate.

Send pressure transient data to Calgary office for well test interpretation.

Suspend operations for day (first set tandem Lee Tool LMR 10K pressure recorders programmed to sample every 15 seconds for first 6 days, every 10 seconds next 10 days, every 15 seconds next 14 days, every 20 seconds next 30 days still landed on top of Otis RN nipple at tailpipe bottom to continue to monitor buildup pressure).

Company Representative: _____
Curtis Triomphe

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 20	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 14
Mud Type:		Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD	Cmt.Top@ 0.0
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours (From - To) Operations Covering 24 Hours Ending at Midnight Total hours Reported: 24

Hours								
5.00	0000-0500 FLOW THE WELL AT THE EXTENDED RATE: DAY #7							
	-	TIME	TUBING PRESS (KPA)	GAS RATE (E3M3/DAY)	WATER (M3)	SALINITY (MG/L)	PH	BS&W
	-	1:00	8520	942.1	7.2	2000	6.0	0.0
	-	2:00	8350	967.4	12.0	8000	6.0	0.0
	-	3:00	8450	930.3	13.2	4000	6.0	0.0
	-	4:00	8130	927.9	13.2	4000	6.0	0.0
	-	5:00	8330	947.5	10.8	6000	6.0	0.0
1.00	0500-0600 SHUT IN THE WELL AND MONITOR THE BUILD UP PRESSURES							
	-	TOTAL GAS FLARED: 5690.5 E3M3. APPROVED FLARING LIMIT: 5700 E3M3						
	-	5:05	23200					
	-	5:10	23330					
	-	5:15	23270					
	-	5:30	23270					
	-	5:45	23270					
	-	6:00	23270					
1.00	0600-0700 SHUT THE MASTERVALVES AND PURGE ALL TESTING EQUIPMENT PRIOR TO RELEASE. CHAIN AND LOCK UP THE MASTERVALVES AND							
	-	THE WING VALVE. RELEASE NORWARD, SAFETY AND MEDIC. ALL NORWARD TESTING EQUIPMENT IS STILL RIGGED UP						
17.0	0700-2400 WORK ON ROAD AND LEASE							
	-							
	-							
	-							
	-							
	-							
	-							
	-							

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MARSH, LIUTKUS, WILLIAMS - SAFETY DAYS @290
OPS @ 0600: CONSTRUCTION CREWS WORKING ON HIGH GRADE ROAD AND LEASE.

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 37,960		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,818,184	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: BM/BL
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 19-APR-99
			Page: 1 Of 1

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 19	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00
				Wind:	Seas: 0.0/0.0	Bar: 0	POB: 42
Mud Type:	Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD 2491.4 m TVD	Cmt.Top@ 0.0
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
24.0	0000-2400 FLOW THE WELL AT THE EXTENDED RATE: DAY #6		

	TIME	TBG PRESS (KPA)	GAS RATE (E3M3/DAY)	WATER (M3)	SALINITY (MG/L)	PH	BS&W
-	1:00	8330	942.9	7.2	12000	7.0	5.0
-	2:00	8100	932.9	6.0	12000	7.0	2.0
-	3:00	8450	914.7	9.6	10000	7.0	5.0
-	4:00	8450	946.7	8.4	14000	7.0	1.0
-	5:00	8330	942.9	7.2	20000	7.0	4.0
-	6:00	8550	952.3	7.2	22000	7.0	2.0
-	7:00	8590	946.1	12.0	12000	7.0	2.0
-	8:00	8450	938.4	9.6	8000	6.0	2.2
-	9:00	8520	960.3	14.4	11000	6.0	10.5
-	10:00	8390	970.2	19.2	18000	6.0	4.0
-	11:00	8410	964.3	9.6	8000	6.0	0.2
-	12:00	8370	960.3	9.6	6000		
-	13:00	8480	965.1	16.8	6000	6.0	2.4
-	14:00	8480	976	9.6	4000	6.0	0.1
-	15:00	8410	964.3	8.4	6000	6.0	1.3
-	16:00	8450	968.2	8.4	2000	6.0	0.2
-	17:00	8390	964.3	9.6	16000	6.0	15.0
-	18:00	8515	960.3	7.2	6000	6.0	7.5
-	19:00	8480	966.7	7.2	4000	7.0	0.0
-	20:00	8480	969.4	4.8	4000	7.0	0
-	21:00	8450	970.9	4.8	4000	7.0	0.0
-	22:00	8350	961.2	7.2	0.0	7.0	0
-	23:00	8380	963.6	4.8	0.0	7.0	0

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, LIUTKUS,TRIOMPHE, WILLIAMS - SAFETY DAYS @289

OPS @ 0600: FLOW WELL @ EXTENDED RATE. TOTAL GAS FLARED: 5494.6 E3M3

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 50,101		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,768,873	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 18-APR-99
			Page: 1 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 19	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:		Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD 2491.4 m TVD		Cmt.Top@ 0.0
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:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 0
	-	24:00 8300 953.8 9.6 0 7.0 0.0	
	-	TOTAL GAS FLARED: 5494.6 E3M3. APPROVED FLARING LIMIT: 5700 E3M3	
	-	SENT WATER AND GAS SAMPLES INTO TOWN WITH NORWARD TESTERS	
	-		
	-	OPER @ 5:00: SHUT IN THE WELL AND RECORD BUILD UP PRESSURES	
	-	TUBING PRESSURE BUILT TO 23270 KPA IN 15 MINUTES AND HELD STABLE	
	-	CUMULATIVE GAS FLARED: 5690.5 E3M3	
	-		
	-		
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	-		

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 50,101		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,768,873	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWVNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 18-APR-99
			Page: 2 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 18	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:		Wt:	FV:	PV:	YP:	WL:
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD		Cmt.Top@ 0.0
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours (From - To) Operations Covering 24 Hours Ending at Midnight Total hours Reported: 24

24.0 0000-2400 FLOW WELL AT THE EXTENDED RATE: DAY #5.

	-	TIME	TBG PRESS (KPA)	GAS RATE (E3M3/DAY)	WATER (M3)	SALINITY(MG/L)	PH	BS&W
	-	1:00	8400	966.1	4.8	22000		
	-	2:00	8470	964.2	4.8	22000		
	-	3:00	8450	964.2	8.4	20000		
	-	4:00	8390	960.3	8.4	10000		
	-	5:00	8470	953.9	7.2	14000	6.0	0
	-	6:00	8480	961.9	6.0	12000		
	-	7:00	8460	949.3	7.2	22000		
	-	8:00	8460	952.4	9.6	18000		
	-	9:00	8460	958.8	7.2	14000		
	-	10:00	8350	957.3	8.4	18000		
	-	11:00	8470	959.2	7.2	16000	6.0	0.1
	-	12:00	8490	957.3	8.4	18000	6.0	0.1
	-	13:00	8470	957.3	7.2	38000	6.0	1.0
	-	14:00	8150	916.4	10.8	22000	6.0	2.0
	-	15:00	7950	892.9	13.2	42000	6.0	10.0
	-	16:00	7720	852.7	9.6	22000	6.0	15.0
	-	17:00	8110	927.1	13.2	12000	6.0	5.5
	-	18:00	8090	905.5	13.2	20000	7.0	3.5
	-	19:00	8180	933	10.8	8000	7.0	5.0
	-	20:00	8250	931.5	7.2	22000	7.0	15.0
	-	21:00	8320	922.2	7.2	10000	7.0	6.0
	-	22:00	8370	927.5	4.8	10000	7.0	0
	-	23:00	8030	933.3	10.8	20000	7.0	10.0

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, LIUTKUS,TRIOMPHE,KALSI, COLEMAN - SAFETY DAYS @288

OPS @ 0600: FLOW WELL @ EXTENDED RATE. TOTAL GAS FLARED: 4539 E3M3

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 38,301		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,718,772	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 17-APR-99
			Page: 1 of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 18	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:		Wt:	FV:	PV:	YP:	WL:
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD		Cmt.Top@ 0.0
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:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 0
	-	24:00 8400 937.1 8.4 10000 7.0 5.0	
	-	TOTAL GAS FLARED: 4359 E3M3/DAY. APPROVED FLARE VOLUME: 5700 E3M3	
	-	INCREASED SOLIDS CONTENT IN BS&W SAMLES. SOLIDS CONSISIT OF LIGHT GREY AND DARK BLACK SOLIDS. (SAMPLES ARE	
	-	SEEMINGLY WATER BASED). FLOW INCONSISTENCIES ARE ASSOCIATED WITH HIGHER SOLIDS CONTENT CAUSED BY RENEWED	
	-	CLEAN-UP OF MUD SOLIDS	
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	-		

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 38,301		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,718,772	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 17-APR-99
			Page: 2 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 17	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:		Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD 2491.4 m TVD		Cmt.Top@ 0.0
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
24.0	0000-2400 FLOW WELL AT EXTENDED RATE: DAY #4		

	-	TIME	TBG PRESS (KPA)	GAS RATE (E3M3/DAY)	WATER RATE(M3)	SALINITY (MG/L)
	-	1:00	8400	946.9	10.8	22000
	-	2:00	8400	948.9	9.6	20000
	-	3:00	8460	942.9	9.6	22000
	-	4:00	8450	944.8	7.2	22000
	-	5:00	8460	933.3	14.4	22000
	-	6:00	8450	950.9	9.6	20000
	-	7:00	8460	950.9	9.6	20000
	-	8:00	8490	941.3	7.2	22000
	-	9:00	8480	946.9	14.4	40000
	-	10:00	8470	946.9	10.8	14000
	-	11:00	8400	952.3	8.4	14000
	-	12:00	8420	944.4	7.2	16000
	-	13:00	8410	953	9.6	4000
	-	14:00	8460	964.2	8.4	11000
	-	15:00	8300	960.3	7.2	800
	-	16:00	8440	968.2	14.4	0
	-	17:00	8550	978	13.2	10000
	-	18:00	8200	978	18	14000
	-	19:00	8500	974.1	7.2	14000
	-	20:00	8470	950.5	7.2	12000
	-	21:00	8400	983.9	7.2	12000
	-	22:00	8460	954.5	14.4	16000
	-	23:00	8400	960.3	9.6	32000

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, LIUTKUS,TRIOMPHE,KALSI, COLEMAN - SAFETY DAYS @287

OPS @ 0600: FLOW WELL @ EXTENDED RATE. 1015 E3M3/DAY. TOTAL GAS FLARED: 3599.2 E3M3

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 61,501		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,680,471	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 16-APR-99
			Page: 1 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 17	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:	Wt:	FV:	PV:	YP:	WL:	

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD 2491.4 m TVD		Cmt.Top@ 0.0
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:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 0
	-	24:00 8500 966.1 7.2 24000	
	-	CUMULATIVE GAS FLARED: 3599.2E3M3. APPROVED FLARING PERMIT: 5700 E3M3	
	-	WELLHEAD FLOWING TEMP: 75-80 DEG C. WATER PH=5.0-6.0, WITH LIGHT MUD SOLIDS (0.1%)	
	-	ORDERED 270M OF 177.8MM, 43.15KG/M CASING	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 61,501		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,680,471	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 16-APR-99
			Page: 2 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 16	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00		Orig KB Elev: 0.00
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:		Wt:	FV:	PV:	YP:	WL:
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD		Cmt.Top@ 0.0
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
24.0	0000-2400 FLOW WELL AT EXTENDED RATE. GAS RESULTS RECEIVED FROM AGAT AND GAS VOLUMES FLARED ADJUSTED		
	- (DECREASED BY 6%)		

	TIME	TUBING PRESS(KPA)	GAS RATE (E3M3/DAY)	WATER (M3/DAY)	SALINITY
-	1:00	8510	937.8	18	40000
-	2:00	8490	926.4	13.2	62000
-	3:00	8480	944.4	12	60000
-	4:00	8410	934.8	19.2	12000
-	5:00	8540	942.5	18	12000
-	6:00	8300	917.7	15.6	20000
-	7:00	8200	948.2	14.4	22000
-	8:00	8470	956.2	13.2	28000
-	9:00	8480	956.2	18	58000
-	10:00	8300	948.2	10.8	62000
-	11:00	8460	932.3	15.6	62000
-	12:00	8470	930.8	14.4	72000
-	13:00	8410	937.8	14.4	60000
-	14:00	8450	945.3	13.2	58000
-	15:00	8440	941.9	14.4	60000
-	16:00	8460	946.9	14.4	42000
-	17:00	8440	930.8	7.2	32000
-	18:00	8500	933.1	7.2	28000
-	19:00	8450	937.5	8.4	30000
-	20:00	8440	943.2	12	32000
-	21:00	8450	949.3	8.4	22000
-	22:00	8410	947	8.4	24000

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, LIUTKUS,TRIOMPHE,KALSI, COLEMAN - SAFETY DAYS @286
OPS @ 0600: FLOW WELL @ EXTENDED RATE. 945 E3M3/DAY. TOTAL GAS FLARED: 2664.5 E3M3

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 44,290		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,618,970	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 15-APR-99
			Page: 1 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 16	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42

Mud Type:	Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD 2491.4 m TVD	Cmt.Top@ 0.0
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:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight				Total hours Reported: 0
	-	23:00	8450	944.4	9.6	32000
	-	24:00	8400	941	8.4	24000
	-	WATER PH = 6.0, H2S(TUTWEILLER):0.93%, WELLHEAD FLOWING TEMP: 80 DEG C.				
	-	BS&W 0.5-1.0% LIGHT MUD SOLIDS				
	-	TOTAL GAS FLARED: 2664.5 E3M3				
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 44,290		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,618,970	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWVNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 15-APR-99
			Page: 2 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 15	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:		Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD	Cmt.Top@ 0.0
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
24.0	0000-2400 CONT'S TO FLOW WELL @ EXTENDED RATE		

		TIME	TBG PRESS (KPA)	GAS RATE (E3 M3/DAY)	H2O (M3)	SALINITY (MG/L)
	-	1:00	7890	923.3	28.8	132000
	-	2:00	7950	943	16.8	114000
	-	3:00	7700	880.7	14.4	106000
	-	4:00	7490	836.6	28.8	90000
	-	5:00	7450	821.8	27.6	110000
	-	6:00	7620	880.2	22.8	112000
	-	7:00	7990	920.2	12	112000
	-	8:00	8040	927.5	12	40000
	-	9:00	8080	914.5	16.8	44000
	-	10:00	8020	919.8	21.6	58000
	-	11:00	8090	937.4	16.8	54000
	-	12:00	8070	967	12	54000
	-	13:00	8100	944.4	20.4	60000
	-	14:00	8350	916.7	19.2	50000
	-	15:00	8040	932.4	18	45000
	-	16:00	8170	942.9	20.4	40000
	-	17:00	8250	974.2	16.8	61000
	-	18:00	8340	970	18	54000
	-	19:00	8200	968	9.6	42000
	-	20:00	8430	984.9	13.2	54000
	-	21:00	7750	972.7	12	60000
	-	22:00	8500	1022.7	9.6	62000
	-	23:00	8450	1019.5	16.8	40000

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, LIUTKUS,TRIOMPHE,KALSI, COLEMAN - SAFETY DAYS @285

OPS @ 0600: FLOW WELL @ EXTENDED RATE. 1015 E3M3/DAY. TOTAL GAS FLARED: 1814.1 E3M3

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 58,702		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,574,680	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 14-APR-99
			Page: 1 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 15	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42

Mud Type:	Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD 2491.4 m TVD	Cmt.Top@ 0.0
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:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 0
	-	24:00 8400 1016.9 16.8 52000	
	-	WELLHEAD FLOWING TEMP: 78-80 DEG C. H2S (TUTWEILLER): 0.97%	
	-	WATER PH = 6.0. SOLIDS DECREASING FROM 25% TO 2% LIGHT MUD SOLIDS	
	-	TOTAL GAS FLARED: 1814.1 E3M3	
	-		
	-		
	-		
	-		
	-		
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	-		
	-		
	-		

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 58,702		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,574,680	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 14-APR-99
			Page: 2 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 14	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:	Wt:	FV:	PV:	YP:	WL:	
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD	Cmt.Top@ 0.0	
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight					Total hours Reported: 24
5.00	0000-0500 CONT'D TO FLOW WELL ON 10HR FLOW RATE #2.					
	-	TIME	TBG PRESS(KPA)	GAS RATE (E3M3/DAY)	WATER(M3/DAY)	SALINITY(MG/L)
	-	1:00	20540	409.8	8.4	12000
	-	2:00	20580	406.2	8.4	12000
	-	3:00	20600	406.2	8.4	12000
	-	4:00	20600	405.4	7.2	12000
	-	5:00	20610	404.7	7.2	12000
	-	WELLHEAD FLOWING TEMP:60DEG C. GAS FLARED:172.6E3M3. FLUID PRODUCED: 3.5M3				
10.0	0500-1500 INCREASE CHOKE SIZE TO 15.9MM. FLOW WELL AT RATE # 3 FOR 10 HRS.					
	-	6:00	18400	561	12	12000
	-	7:00	18370	563	14.4	10000
	-	8:00	18380	560.3	9.6	10000
	-	9:00	18410	560.3	13.2	10000
	-	10:00	18450	563.2	13.2	6000
	-	11:00	18490	562.3	14.4	6000
	-	12:00	18530	562.6	12	6000
	-	13:00	18590	561.2	12	6000
	-	14:00	18630	560.6	10.8	6000
	-	15:00	18690	559.5	10.8	6000
	-	WELLHEAD FLOWING TEMP:73 DEG C. GAS FLARED: 233.2E3M3. FLUID PRODUCED5.1M3				
9.00	1500-2400 CHANGE ORIFICE PLATE TO 107.95MM. INCREASE CHOKE TO 50.8MM (WIDE OPEN) FLOW WELL @ EXTENDED RATE.					
	-	16:00	7670	844.6	124.8	16800
	-	17:00	7630	839.8	98.4	142000
	-	18:00	7940	854.7	28.8	112000
	-	19:00	7490	839.8	10.8	130000

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, LIUTKUS,TRIOMPHE,KALSI, COLEMAN - SAFETY DAYS @284
OPS @ 0600: FLOW WELL @ EXTENDED RATE. 880.2 E3M3/DAY. TOTAL GAS FLARED: 1096.95 E3M3

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 104,549		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,515,978	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 13-APR-99
			Page: 1 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 14	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:	Wt:	FV:	PV:	YP:	WL:	
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD	Cmt.Top@ 0.0	
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:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight				Total hours Reported: 0
	-	20:00	7570	846.8	4.8	140000
	-	21:00	7690	846.7	2.4	136000
	-	18:00	7940	854.7	28.8	112000
	-	23:00	8250	960.1	30	44000
	-	24:00	7620	903.7	33.6	40000
	-	WELLHEAD FLOWING TEMP: 74 DEG C. WATER PH = 7, 20% SOLIDS.				
	-	SAMPLES SENT TO TOWN YESTERDAY				
	-	63 M3 OF PRODUCED FLUID SHIPPED OFF LOCATION				
	-	HIGHER DAILY COST:				
	-	TRUCKING AND PROCEESING COST FOR PRODUCED FLUID				
	-	ADJUSTMENT TO TESTERS TICKETS				
	-					
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	-					
	-					

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 104,549		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,515,978	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.N./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 13-APR-99
			Page: 2 Of 2

Chevron Canada Resources

PRODUCTION TOUR REPORT

Well Name: Chevron etal Ft Liard K-29
WBSS# RIWINC - Rebore - 600 (well completion)

LSD : K-29 (within grid area 60° 50' 123° 30')
Date : April 13, 1999
Day Number : 2

	CREW		FROM	TO	TIME SUMMARY
DAY CREW	Driller Derrick Derrick Floorman Floor Floor Loader Accum Press Air Shut Off Stab Valve Fire Ext HOS		0:01 5:00 15:00	5:00 15:00 23:59	Continue to flow well on 10 hour rate #2. Flow well on 10 hour rate #3. Flow well on extended rate. Cumulative gas flared to date 675.3 e3m3
NIGHT CREW	Driller Derrick Derrick Floorman Floor Floor BOP Accum Press. Air Shut Off Stab Valve Fire Ext Floorman				PPS&E Summary: Near miss incidents - none to report Spills or emissions - none to report

	Today	Curr. Rework only	Curr. Rework & Compl	Completion Only
Tangible				
Intangible	***** Costs and operations summary reported on duplicate DISWin report prepared for today.			
Total				

Alaska Drilling Rig Mgr	Ray Coleman
Nahanni Energy Services	Ross Hutchinson / Dale Rossier
KIO OX CONTRACTOR	CONTRACTOR Rep.

JOB OBJECTIVE: Stimulate and conduct production test - Nahanni open hole lower fractured interval.

DETAILS: Continue to flow well on rate # 2; flow on rate # 3 and beginning of extended rate.

Flow well as follows on production test (three 10 hour flow periods with increasing rates followed by +/- 7 day extended rate).

Time	Tubing kPa	Gas Rate e3m3/day	Cond Rate m3 / day	Water Rate m3 / day	Water salinity mg / litre	Comments
1:00	20540	409.6	0	8.4	12000	
2:00	20580	408.2	0	8.4	12000	
3:00	20600	406.3	0	8.4	12000	
4:00	20000	406.4	0	7.2	12000	Wellhead flowing temp 80° C.
5:00	20610	404.7	0	7.2	12000	
5:00	Rate # 2 complete (produced 172.6 e3m3 gas). Increase choke size from 12.7 mm to 15.9 mm for 10 hour flow rate #3.					
6:00	16400	561.0	0	12.0	12000	
7:00	16370	563.0	0	14.4	10000	
8:00	16360	560.3	0	9.6	10000	
9:00	16410	560.3	0	13.2	10000	Water pH 6.0
10:00	16450	563.2	0	13.2	6000	
11:00	16480	562.3	0	14.4	6000	
12:00	16530	562.6	0	12.0	6000	
13:00	16580	561.2	0	12.0	6000	
14:00	16620	560.6	0	10.8	6000	Wellhead flowing temp 73° C.
15:00	16660	559.5	0	10.8	6000	
15:00	Rate # 3 complete (produced 233.2 e3m3 gas). Increase choke size from 15.9 mm to wide open 25.4 mm for extended rate.					
16:00	7670	844.8	0	124.8	168000	
17:00	7630	839.8	0	86.4	142000	
18:00	7640	854.7	0	28.8	112000	
19:00	7480	839.8	0	10.8	180000	Water pH 7.0 ; water 75% w 20% solids
20:00	7570	849.8	0	4.8	140000	
21:00	7660	846.7	0	2.4	136000	Wellhead flowing temp 74° C.
22:00	7690	850.4	0	0.0	?	
23:00	8280	980.1	0	30.0	44000	Gas flowrate "trending" up and down
23:59	7620	803.7	0	33.6	40000	

Company Representative : _____
Curtis Triemple / B J Kelsi
Jerry McNeley / Bill Ludlow

Continue to flow well on extended rate at day end.

Job Number: G.P - 99 - 44
Customer: Chevron Canada
Wellname: Chevron et al Liard
Well Location: K - 29
Formation: Nahanni Dolomite

FieldNotes

NORWARD

Row	Date	Clk Tim	Thg.	Cag.	Wht	Choke	Orifi	Static	Diff	Temp	Gas R.1	Orifi	Static	Diff	Temp	Gas R.2	Cum G.1	Cum G.2	Tot Cum	Fld Gain	BSW%	H2O Rate	Cum H2O	pH	SALINITY	Solids
	yyyy/mm/dd	clock	kPa	kPa	C	mm	mm	kPa	kPa	C	10^3m3/d	mm	kPa	kPa	C	10^3m3/d	10^3m3	10^3m3	10^3m3	m3	%	m3/d	m3		ppm	%
181	1999/04/13	04:00:00	20800	3400	60.0	12.70	82.55	1280	58.0	32.0	405.451	0.00					303.178		303.178	0.300	100.00	7.200	116.350	5.0	12000.0	0.00
182		04:30:00	20510	3700	60.0	12.70	82.55	1280	57.8	32.0	404.742						311.618		311.618							
183		05:00:00	20510	2000	60.0	12.70	82.55	1280	57.8	32.0	404.742						320.058		320.058	0.300	100.00	7.200	116.650	5.0	12000.0	0.00
184			End of rate #2																							
185			Gas flared during rate 2 = 172.635 10^3m3																							
186			Fluid produced during rate 2 = 3.60m3																							
187																										
188		05:00:00	Rate # 3																							
189		05:00:00	Open Choke to 38/64 (15.08mm)																							
190		05:03:00	Open choke to 40/64 (15.88mm)																							
191		05:05:00	18550	2250	60.0	15.88																				
192		05:10:00	18500	2400	59.0	15.88																				
193		05:15:00	18500	2700	59.0	15.88	82.55	2010	70.0	32.0	557.940						325.084		325.084							
194		05:30:00	18470	3400	60.0	15.88	82.55	2010	70.0	33.0	556.924						330.870		330.870							
195		05:45:00	18420	3900	62.0	15.88	82.55	2010	70.0	31.0	558.983						336.682		336.682							
196	1999/04/13	06:00:00	18400	2000	64.0	15.88	82.55	2010	70.0	29.0	561.028						342.516		342.516	0.600	100.00	12.000	117.150	5.0	12000.0	0.10
197		06:30:00	18390	2750	68.0	15.88	82.55	2010	70.0	30.0	559.992						354.193		354.193							
198		07:00:00	Deadweight on static 2050 kpa.																							
199		07:00:00	18370	3100	61.0	15.88	82.55	2050	69.4	30.0	562.870						365.890		365.890	0.600	100.00	14.400	117.750	5.0	10000.0	0.10
200		07:30:00	18370	3400	67.0	15.88	82.55	2050	69.4	30.0	562.870						377.819		377.819							
201		08:00:00	18380	3650	67.0	15.88	82.55	2050	69.0	31.0	560.295						389.320		389.320	0.400	100.00	9.600	118.150	5.0	10000.0	0.10
202		08:30:00	18380	3750	67.0	15.88	82.55	2050	69.0	31.0	560.295						400.992		400.992							
203		08:30:00	Samples taken																							
204		09:00:00	18410	2400	67.0	15.88	82.55	2050	69.0	31.0	560.295						412.665		412.665	0.550	100.00	13.200	118.700	4.0	10000.0	0.00
205		09:00:00	Dead weight on static 2070 kpa.																							
206		09:30:00	18440	2800	67.0	15.88	82.55	2070	69.8	30.0	563.182						424.368		424.368							
207	1999/04/13	10:00:00	18450	3050	70.0	15.88	82.55	2070	69.8	30.0	563.182						436.101		436.101	0.550	100.00	13.200	119.250	4.0	6000.0	0.10
208		10:30:00	18470	3800	70.0	15.88	82.55	2070	69.8	30.0	563.182						447.834		447.834							
209		11:00:00	18490	3850	70.0	15.88	82.55	2070	69.0	30.0	562.335						459.558		459.558	0.600	100.00	14.400	119.850	4.0	6000.0	0.00
210		11:30:00	18520	3800	75.0	15.88	82.55	2075	69.0	32.0	562.601						471.277		471.277							
211		12:00:00	18530	4000	74.0	15.88	82.55	2075	69.0	32.0	562.601						482.998		482.998	0.600	100.00	12.000	120.350	5.0	6000.0	0.00
212		12:30:00	18550	2050	73.0	15.88	82.55	2075	69.0	33.0	561.161						494.703		494.703							
213		13:00:00	18590	2400	72.0	15.88	82.55	2075	69.0	33.0	561.161						506.394		506.394	0.500	100.00	12.000	120.850	5.0	6000.0	0.00
214		13:30:00	18620	2350	72.0	15.88	82.55	2075	69.0	34.0	560.140						518.074		518.074							
215	1999/04/13	14:00:00	18630	2550	73.0	15.88	82.55	2075	69.0	34.0	560.551						529.749		529.749	0.450	100.00	10.800	121.300	5.0	6000.0	0.10
216		14:30:00	18570	2700	73.0	15.88	82.55	2075	69.0	35.0	559.535						541.416		541.416							

Job Number: G.P - 99 - 44
Customer: Chevron Canada
Wellname: Chevron et al Liard
Well Location: K - 28
Formation: Nahanni Dolimite

FieldNotes

NORWARD

Row	Date	Clk Tim	Tbg.	Csg.	Wht	Choke	Orifi	Static	Diff	Temp	Gas R.1	Orif	Static	Diff	Temp	Gas R.2	Cum G.1	Cum G.2	Tot Cum	Fld Gain	BSW%	H2O Rate	Cum H2O	pH	SALINITY	Solids
	yy/mm/dd	clock	kPa	kPa	C	mm	mm	MPa	kPa	C	10^3m3/d	mm	kPa	kPa	C	10^3m3/d	10^3m3	10^3m3	10^3m3	m3	%	m3/d	m3		ppm	%
217	1999/04/13	15:00:00	18890	1000	75.0	15.88	82.55	2075	69.0	35.0	569.535	0.00					553.073		553.073	0.450	100.00	10.800	121.750	5.0	6000.0	0.00
218			End of rate #3																							
219			Gas flared in Rate #3 - 233.02 10^3m3																							
220			Fluid produced in Rate #3 - 5.1 m3.																							
221																										
222		16:00:00	Rate #4																							
223			Increase choke to (60.8)mm.																							
224			Dri-flow meter in service with a (107.95)mm orifice plate.																							
225		15:05:00	8100	1550	74.0	50.80																				
226		15:10:00	8170	1600	74.0	50.80																				
227		15:15:00	8070	1710	79.0	50.80	107.95	2700	48.0	43.0	1003.433						581.213		581.213							
228		15:30:00	8630	2650	76.0	50.80	107.95	2070	50.0	63.0	887.888						570.969		570.969							
229		15:45:00	8040	3400	78.0	50.80	107.95	2050	48.0	64.0	822.818						579.763		579.763							
230		16:00:00	7670	3650	78.0	50.80	107.95	2050	48.0	64.0	840.592						588.427		588.427	5.200	100.00	124.800	128.950	5.0	168000.0	0.00
231		16:30:00	8530	2150	77.0	50.80	107.95	2100	48.0	63.0	851.906						606.057		606.057							
232		17:00:00	7630	2150	76.0	50.80	107.95	2100	48.5	62.0	839.781						623.679		623.679	4.100	100.00	98.400	131.050	6.0	142000.0	0.00
233		17:30:00	7630	2000	76.0	50.80	107.95	2100	48.5	62.0	839.781						641.176		641.176							
234	1999/04/13	18:00:00	7940	1950	75.0	50.80	107.95	2100	48.0	61.0	854.679						658.826		658.826	1.200	100.00	28.800	132.250	6.0	112000.0	0.10
235		18:30:00	7520	1900	72.0	50.80	107.95	2180	47.0	62.0	869.895						676.686		676.686							
236		19:00:00	7490	1850	74.0	50.80	107.95	2100	48.5	62.0	839.791						694.391		694.391	0.450	100.00	10.800	132.700	7.0	130000.0	20.00
237		19:30:00	7590	1900	74.0	50.80	107.95	2100	45.0	61.0	827.422						711.757		711.757							
238		20:00:00	7570	1900	73.0	50.80	107.95	2280	44.0	62.0	848.725						729.198		729.198	0.200	100.00	4.800	132.900	8.0	140000.0	10.00
239		20:30:00	7690	1950	74.0	50.80	107.95	2280	44.0	62.0	848.725						746.837		746.837							
240		21:00:00	7690	2000	74.0	50.80	107.95	2280	44.0	62.0	848.725						764.477		764.477	0.100	100.00	2.400	133.000	6.0	138000.0	12.00
241		21:30:00	2000	2000	78.0	50.80	107.95	2280	44.0	61.0	851.792						782.170		782.170							
242		22:00:00	2400	2400	76.0	50.80	107.95	2280	44.0	62.0	850.398						799.801		799.801	0.000	100.00	0.000	133.000			
243		22:30:00	7900	2500	71.0	50.80	107.95	2270	44.0	62.0	848.693						817.588		817.588							
244		23:00:00	8260	2850	69.0	50.80	107.95	2370	55.0	68.0	860.104						836.439		836.439	1.250	100.00	30.000	134.250	7.0	44000.0	10.00
245		23:30:00	8260	3050	68.0	50.80	107.95	2310	53.0	65.0	835.122						856.180		856.180							
246	1999/04/14	00:00:00	7620	3500	68.0	50.80	107.95	2190	52.5	67.0	803.756						875.336		875.336	1.400	100.00	33.600	135.650	7.0	40000.0	7.00
247		00:00:00	H2S by gastec = 0.75%																							
248			Gas flared during 4th rate = 322.262 10^3m3																							
249			Cum gas flared = 875.335 10^3m3																							
250			Fluid produced during 4th = 13.90m3																							
251			Cum fluid produced = 135.85m3																							
252		00:30:00	7670	3650	70.0	50.80	107.95	2270	54.0	68.0	891.388						894.451		894.451							

Job Number: G.P - 99 - 44
Customer: Chevron Canada
Wellname: Chevron et al Lland
Well Location: K - 29
Formation: Nahanni Dolomite

FieldNotes

NORWARD Energy Services

Row	Date	Clk Tim	Tbg.	Cag.	Wht	Choke	Orifi	Static	Diff	Temp	Gas R.1	Orif	Static	Diff	Temp	Gas R.2	Cum G.1	Cum G.2	Tot Cum	Fld Gain	BSW%	H2O Rate	Cum H2O	pH	SALINITY	Solids
	yy/mm/dd	clock	kPa	kPa	C	mm	mm	kPa	kPa	C	10^3m3/d	mm	kPa	kPa	C	10^3m3/d	10^3m3	10^3m3	10^3m3	m3	%	m3/d	m3		ppm	%
253	1999/04/14	01:00:00	7880	3500	70.0	50.80	107.95	2230	54.0	68.0	923.313	0.00					913.771		913.771	1.200	100.00	28.800	136.850	6.0	132000.0	2.00
254		01:30:00	7870	4600	70.0	50.80	107.95	2270	54.0	68.0	934.379						933.122		933.122							
255		02:00:00	7860	2000	70.0	50.80	107.95	2270	55.0	68.0	943.032						952.679		952.679	0.700	100.00	16.800	137.550	6.0	114000.0	4.00
256		02:30:00	7750	2000	70.0	50.80	107.95	2270	54.0	68.0	934.379						972.235		972.235							
257		03:00:00	7700	1800	70.0	50.80	107.95	2270	48.0	66.0	880.713						991.142		991.142	0.600	100.00	14.400	138.150	6.0	108000.0	3.00
258		03:30:00	7750	2000	70.0	50.80	107.95	2180	49.0	66.0	872.419						1009.404		1009.404							
259		04:00:00	7490	1650	70.0	50.80	107.95	2030	48.0	64.0	838.588						1027.208		1027.208	1.200	100.00	28.800	139.350	6.0	80000.0	15.00
260		04:30:00	7400	1550	70.0	50.80	107.95	2020	47.0	64.0	825.798						1044.523		1044.523							
261		05:00:00	7450	1800	70.0	50.80	107.95	2000	47.0	64.0	821.808						1061.685		1061.685	1.150	100.00	27.600	140.500	7.0	110000.0	8.00
262		05:30:00	7600	1550	70.0	50.80	107.95	2100	47.0	64.0	841.588						1079.012		1079.012							
263	1999/04/14	06:00:00	7620	1700	74.0	50.80	107.95	2180	50.0	54.0	880.182						1096.947		1096.947	0.950	100.00	22.800	141.450	7.0	112000.0	8.00

Chevron Canada Resources

PRODUCTION TOUR REPORT

Well Name: Chevron etal Ft Liard K-29
WBS#: BW0662 - 89029 - 600 (well completion)

LSD: K-29 (within grid area 60° 30' 123° 30')
Date: April 12, 1999
Day Number: 1

	CREW	FROM	TO	TIME SUMMARY
DAY CREW	Driller Derrick Derrick Motorman Floor Floor Lease Assist Press. Air Shut Off Ball Valve Fire Ext. HSE	0:01 2:30 3:15 4:45 6:00 9:00 10:00	2:30 3:15 4:45 6:00 9:00 10:00 23:59	Conduct static gradient. Hoist. Land dart in RN nipple nogo. Run and land pressure recorder set #1. Hoist. Run and land pressure recorder set #2. Hoist. Wait for wellbore to stabilize. Flow well on well test 10 hour rate #1. Flow well on well test 10 hour rate #2.
NIGHT CREW	Driller Derrick Derrick Motorman Floor Floor HSE Assist Press. Air Shut Off Ball Valve Fire Ext. Motorman			PP&E Summary: Near miss incidents - none to report Spills or emissions - none to report

	Today	Cum. Report Only	Cum. Report & Comp.	Completion Only
Tangible				
Intangible				
Total				

Costs and operations summary reported on duplicate DISWin report prepared for today.

Andar Drilling Rig #48	Ray Coleman
Halliburton Energy Services	Reed Robinson
RIG OR CONTRACTOR	CONTRACTOR REP.

JOB OBJECTIVE: Stimulate and conduct production test - Nahanni open hole interval.

DETAILS: Conduct static gradient; land LMR pressure recorders; flow well on rate #1 and beginning of rate #2.

Continue Lee Tool static gradient making 10 minute stops as follows:

surface		
500	2750	
1000	2800	
1500	2850	mid point of interval - 2 hour stop (pressure @ start 26110.41 kPa
2000	2880	maximum achievable depth @ 1 hour 26194.95 kPa
2500		@ 2 hours 26195.65 kPa)
2550		
2650		
2700		

Make up 84.26 mm OD finned dart. RIH to land on top of Otis RN nipple at 2850.34 mKB at 88.9 mm tailpipe bottom.

Make up first set tandem Lee Tool LMR 10K pressure recorders (programmed to sample every 15 seconds for first 6 days, every 10 seconds next 10 days, every 15 seconds next 14 days, every 20 seconds next 30 days). RIH - land pressure recorders on top of dart at 2850.34 mKB (batteries connected 03:15 hours; gauges on bottom @ 04:12 hours April 12 1999). Hoist tools.

Make up second set tandem Lee Tool LMR pressure recorders (programmed to sample every 10 seconds for first 6 days, every 5 seconds next 10 days, every 10 seconds next 14 days). RIH - land recorder set #2 on top of recorder set #1(batteries connected 04:18 hours; gauges on bottom @ 05:07 hours April 12 1999). Hoist tools. Lay down and rig wireline off wellhead.

Await wellbore to stabilize for 3 hours.

Flow well as follows on production test (three 10 hour flow periods with increasing rates followed by +/- 7 day extended rate).

Time	Tubing kPa	Gas Rate e3m3/day	Cond Rate m3 / day	Water Rate m3 / day	Water salinity mg / litre	Comments
9:00	SITP 22370 kPa. Open well to flow on 10 hour flow rate #1 9.53 mm choke.					
10:00	21520	237.9	?	?		Rock choke to clear debris.
11:00	21560	234.3	?	?		Minor hydrates at surface - methanol inj at choke.
12:00	21430	242.2	0	3.6	22000	
13:00	21510	243.9	0	4.8	22000	Bleed off annulus pressure (thermal expansion).
14:00	21550	243.9	0	4.8	22000	H2S determination Kitigawa 2000 ppm.
15:00	21710	243	0	3.6	22000	
16:00	21720	243.5	0	4.6	20000	Water pH 5.0
17:00	21750	243.5	0	3.6	22000	Wellhead flowing temp 30° C.
18:00	21760	244.1	0	4.8	22000	
19:00	21770	244.1	0	3.6	24000	
19:00	Rate # 1 completed. Increase choke size from 9.5 mm to 12.7 mm for 10 hour flow rate #2.					
20:00	20010	427	0	10.8	14000	
21:00	20300	423.4	0	10.8	12000	
22:00	20360	423.1	0	8.4	12000	Water pH 5.0
23:00	20410	419	0	9.6	12000	
23:59	20460	409.4	0	4.8	12000	Wellhead flowing temp 64° C.

Company Representative : _____
Curtis Triemphe / B J Keist
Jerry McNelley / Bill Lukkus

Continue to flow well on rate #2 at day end.

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 13	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00		Orig KB Elev: 0.00
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:		Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD	Cmt.Top@ 0.0
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
88.9	12.95	L-80	533	2650.6	

Packer Set At	Description	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 19
2.50	0000-0230 CONT'D LEE TOOL STATIC GRADIENT MAKING 10 MINUTE STOPS AS FOLLOWS: 500,1000,1500,2000,2500,2550,2650,2700,2750,	
	- 2800,2850 (2HR STOP - INTERVAL MID--POINT), 2880 (MAX DEPTH)	
0.75	0230-0315 M/U AND RUN 64.26MM OD, FINNED DART AND LAND IN THE RN NIPPLE AT 2650.34MKB	
1.50	0315-0445 M/U FIRST SET OF LEE TOOL LMR 10K PRESSURE RECORDERS (SAMPLE TIMES:15 SECONDS - 6 DAYS,10 SECONDS -NEXT 10 DAYS,	
	- 15 SECONDS - NEXT 14 DAYS, 20 SECS - NEXT 30 DAYS) AND LAND RECORDERS ON TOP OF THE DART AT 2650.34MKB.	
	- BATTERIES CONNECTED @ 3:15, GAUGES ON BOTTOM @ 4:12	
1.25	0445-0600 M/U SECOND SET OF OF LEE TOOL LMR 10K PRESSURE RECORDERS. (SAMPLE TIMES: 10 SECS -6 DAYS, 5 SECS - NEXT 10 DAYS,	
	- 10 SECS - NEXT 14 DAYS). RIH AND LAND RECORDERS ON TOP OF THE FIRST SET OF RECORDERS. CONNECT BATTERIES @ 4:18	
	- GAUGES ON BOTTOM @ 5:07. POOH AND LAY DOWN RUNNING TOOLS AND RIG WIRELINE OF THE WELLHEAD.	
3.00	0600-0900 WAIT FOR WELLBORE TO STABILIZE PRIOR TO COMMENCING FLOW TEST	
10.0	0900-1900 FLOW WELL @ FIRST RATE FOR 10 HOURS AS PER TESTING PROGRAM. SITP=22370KPA. CHOKE SIZE = 9.53MM	
	- WATER (AVG) =4.2M3/DAY @ SALINITY OF 22000MG/L	

	TIME	TBG PRESS(KPA)	GAS RATE(E3M3/DAY)	WATER (M3/DAY)	SALINITY
-	9:00	21520	237.9		
-	10:00	21560	234.3		
-	11:00	21430	242.2	3.6	22000
-	12:00	21430	242.2	4.8	22000
-	13:00	21510	243.9	4.8	22000
-	14:00	21650	243.9	4.8	22000
-	15:00	21710	243	3.6	22000
-	16:00	21720	243.5	4.8	20000
-	17:00	21760	243.5	3.6	22000
-	18:00	21760	244.1	4.8	22000
-	19:00	21770	244.1	3.6	24000 (H20 PH=5)

- WELLHEAD FLOWING TEMP=39 DEG C. BLEED OFF ANNULUS @ 13:00. METHANOL INJECTION @ THE CHOKE

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, LIUTKUS,TRIOMPHE,KALSI, COLEMAN - SAFETY DAYS @283

OPS @ 0600: FLOW WELL @ RATE # 3 (CHOKE ADJ @ 5:00) 560E3M3/DAY

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 60,932		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,411,429	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 12-APR-99
			Page: 1 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 13	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 42
Mud Type:	Wt:	FV:	PV:	YP:	WL:	

Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD 2491.4 m TVD		Cmt.Top@ 0.0
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:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 5

5.00	1900-2400 TIME	TBG PRESS (KPA)	GAS RATE (E3M3/DAY)	WATER (M3/DAY)	SALINITY
	- 20:00	20010	427	10.8	14000
	- 21:00	20300	423.4	10.8	12000
	- 22:00	20350	423.1	8.4	12000
	- 23:00	20410	419	9.6	12000
	- 23:00	20410	419	9.6	12000
	- 24:00	20480	409.4	4.8	12000 (H20 PH=5)
	- WELLHEAD FLOWING TEMP: 54DEG C				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				
	-				

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:

Daily Mud Cost: 0	Daily Tangible Cost: 0	Daily Well Cost: $ 60,932		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost: $ 172,858	Cum Well Cost: $ 1,411,429	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./B.L/C.T/BJ.K
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 12-APR-99
			Page: 2 Of 2

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 12	Auth. Days:	MD: 3000.0m TVD: 2916.2m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction:	Orig KB Elev:
				Wind: Seas: 0./0.	Bar: 0 POB: 46
Mud Type:	Wt:	FV:	PV:	YP:	WL:

Prod Casing Size: 244.50mm	Weight: 69.94	Grade:	Set @ 2500.0m MD 2491.4m TVD		Cmt.Top @ 0.0
Liner Size: 0.00	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
88.90	12.95	L-80	533 HYDRIL	2650.6	

Packer Set At	Type	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RET			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
1.50	0000-0130 CONTINUE TO SQUEEZE ACID FROM 2900M TO 2650M CT RATE 2.5M/MIN, PUMP RATE 200LPM.	
2.25	0130-0345 START PUMPING NITRIFIED ACID AND RIH FROM 2650M TO 2900M. CT RATE 2.5M/MIN, ACID RATE 200LPM, N2 RATE 200 SCM/M3	
	- HIT BRIDGE @ 2714M, FLOW WELL FOR 30 MINS, UNABLE TO MOVE DOWN. PUMP ACID @ 100LPM, N2 TO 20 SCM, POOH TO 2600M.	
1.25	0345-0500 CLOSE CHOKE AND SQUEEZE NITRIFIED ACID TO 2714M	
3.00	0500-0800 PUMP 2M3 H20 TO CLEAN SYSTEM, POOH FLOWING WELL BACK. W/ CT @ SURFACE PUMP N2 PURGE & BLEED OFF PRESSURE.	
	- WELL FLOWING W/ METER IN SERVICE RECORDED RATES @ PRESSURES:	
	- TIME TBG PRES(MPA) CSG PRES(MPA) GAS RATE (E3 M3/DAY) CHOKE	
	- 6:45 - 13.2 0 541.8 38/64	
	- 7:00 - 12.1 0 620.1 45/64	
	- TOTAL FLUID IN WELLBORE: DRILLING MUD 28.4M3, FRESH H20 77.3M3, ACID 60M3	
	- FLUID RECOVERED: DRILLING MUD DURING BLOWDOWN 20.2M3, MUD, H20, ACID DURING STIM 91.55M3	
	- UNRECOVERED FLUID: 53.95M3	
4.00	0800-1200 RIG OUT DS COIL TUBING UNIT AND SUPPORT EQUIPMENT.	
5.50	1200-1730 WAIT FOR SHUT IN TIME TO ELAPSE PRIOR TO RUNNING SLICKLINE STATIC GRADIENT	
1.00	1730-1830 RIG IN LEE TOOL AND PRESSURE TEST TO 2 MPA AND 30 MPA, OK.	
3.00	1830-2130 RIH STATIC GRADIENT WITH DUAL 69MPA PRESSURE RECORDERS MAKING 10 MIN STOPS EVERY 500M IN FROM SURFACE & THEN	
	- 2500M, 2550M, 2650M, 2700M, 2750, 2800M	
2.00	2130-2330 MAKE 2 HR STOP @ 2850M (MIDPIONT OF PRODUCTION ZONE)	
0.50	2330-2400 RIH TO 2883M, HIT BRIDGE, PULLED BACK TO 2880M MADE A 10 MIN STOP TO RECORD DATA, POOH. RECORDERS OOH @ 2400.	
	-	
	- NOTE: LARGE COST DUE TO CT JOB $248,925	
	- ICE BRIDGE TESTED TODAY, MIN THICKNESS 60", REST OF BRIDGE >70"	
	-	
	-	
	-	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, NEWHOOK, WELLS, COLEMAN - SAFETY DAYS @283
OPS @ 0600: RIGGING OUT WIRE HAVINNG LANDED DART IN RN NIPPLE AND 2 SETS OF RECORDERS ON DART

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $296,973		Chevron %: 62.000
Cum Mud Cost: $3,541	Cum Tangible Cost: $172,858	Cum Well Cost: $1,350,497	Total Appropriated Cost: $1,755,000	

Materials On Hand:

AFE Number: RWWNC-R802	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig:	Rig Phone:	Drilling Rep: J.M./J.N./M.W/B.J.K
Field: FT. LIARD	Lease: CHEVRON FT	Well No: WID#1816	Date: 11 Apr 99
			Page: 3 of 3

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 11	Auth. Days:	MD: 3000.0m TVD: 2916.2m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction:	Orig KB Elev:
				Wind: Seas: 0./0.	Bar: 0 POB: 46
Mud Type:		Wt:	FV:	PV: YP:	WL:

Prod Casing Size: 244.50mm	Weight: 69.94	Grade: [redacted]	Set @ 2500.0m MD 2491.4m TVD	Cmt.Top @ 0.0
Liner Size: 0.00	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
88.90	12.95	L-80	533 HYDRIL	2650.6	

Packer Set At	Type	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RET			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
1.50	0000-0130 RIH WITH CT (BHA JET, DUAL BALL VALVES), START PUMPING N2 @ 15SCM, INCREASE TO 20 SCM @ 00:20. WELL BEGINNING	
	- TO UNLOAD @ 01:20, @ 1800 M 01:30.	
0.25	0130-0145 UNLOAD WELL @ 1800M, SLOW N2 TO 10 SCM END N2 W/ FLAMMABLE GAS @ SURFACE.	
3.50	0145-0515 START TO POOH W/ CT, CHOKE OPEN TO 44/64, FOLLOWING GAS RATES RECORDED:	
	- TIME TBG PRES(MPA) CSG PRES(MPA) GAS RATE (E3 M3/DAY)	
	- 2:15 - 14.9 12.3 221.1	
	- 2:30 - 14.9 12.3 204.6	
	- 3:00 - 15.5 14.5 205.0	
	- 3:15 - 15.7 14.5 413.2	
5.75	0515-1100 RIG TO RUN ACID WASH/SQUEEZE. CHANGE BHA TO THE FOLLOWING: SIDE JET NOZZEL W/ 1 DOWN JET, 1M STRAIGHT BAR, DUAL	
	- FLAPPER CHECK VALVES, COIL TUBING CONNECTOR. RIG PUMPER TO PUMP ACID, ADD CHEMICALS TO AND ROLL ACID	
0.50	1100-1130 HOLD SAFETY MEETING W/ EVERYONE ON LOCATION TO DISCUSS ACID JOB	
4.50	1130-1600 PRESSURE TEST ACID LINES,OK. START PUMPING WATER @ 60L/MIN AND RUN IN HOLE TO WASH WELL BORE/TUBING TO 2500M	
2.00	1600-1800 @ 2500M CT PULLING OVER 4500 DAN OVER STRING WT (13000DAN TOTAL) AND WILL NOT MOVE. INCREASE PUMP RATE TO	
	- 150 LPM CT WILL NOT PULL FREE, PUMP 2M3 ACID CT WILL NOT PULL FREE, DROP WHP TO 2500KPA AND WORK PIPE PULL FREE.	
2.00	1800-2000 POOH TO 1800M, RIH PUMPING @ 150LPM CLEANING W/ H2O, PULL TIGHT AGAIN @ 2550M.	
0.75	2000-2045 PUMP 1M3 ACID AND PIPE PULLED FREE.	
1.25	2045-2200 CONTINUE TO RIH TO 2900M PUMPING H2O @ 200LPM AND PULL BACK UP INTO TUBING TO 2640M	
1.75	2200-2345 START PUMPING ACID WASH @ 200LPM & RIH @ 3M/MIN TO PUMP A TOTAL OF 17M3 ACID WASH.	
0.25	2345-2400 SHUT WELL IN AND BEGIN ACID SQUEEZE FROM 2900M. PUMP @ 200 LPM AND POOH @ 2.5 M/MIN.	
	-	
	-	
	-	
	-	
	-	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, NEWHOOK, WELLS, COLEMAN - SAFETY DAYS @282
OPS @ 0600:POOH WITH CT ACID STIMULATION COMPLETE

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $46,623		Chevron %: 62.000
Cum Mud Cost: $3,541	Cum Tangible Cost: $172,858	Cum Well Cost: $1,053,524	Total Appropriated Cost: $1,755,000	

Materials On Hand:

AFE Number: RWVNC-R802	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig:	Rig Phone:	Drilling Rep: J.M./J.N./M.W/B.J.K
Field: FT. LIARD	Lease: CHEVRON ET	Well No: WID#1816	Date: 10 Apr 99
			Page: 2 of 3

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 10	Auth. Days:	MD: 3000.0m TVD: 2916.2m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction:	Orig KB Elev:
				Wind:	Seas: 0./0. Bar: 0 POB: 46
Mud Type:		Wt:	FV:	PV:	YP: WL:

Prod Casing Size: 244.50mm	Weight: 69.94	Grade:	Set @ 2500.0m MD 2491.4m TVD	Cmt.Top @ 0.0
Liner Size: 0.00	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
88.90	12.95	L-80	533 HYDRIL	2650.6	

Packer Set At	Type	Perforations From	To	Details
2463.9	BAKER SIZE 96A4-40 "SC-2P" RET			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
2.00	0000-0200 WAIT ON WELL TO WARM UP AND TUBING TO EXPAND	
0.75	0200-0245 LATCH INTO PACKER AND LAND DOGNUT IN 2000 DAN COMPRESSION. TOTAL PIPE DEPTH (TAILPIPE LANDED @ 2650.67M), PACKER	
	- SET @ 2464.11M, TOTAL 88.9MM TUBING IN HOLE 2639.05M.	
0.75	0245-0330 R/I AND PRESSURE TEST PACKER & DOGNUT WITH DS, TEST TO 21MPA FOR 30MINS	
1.00	0330-0430 REAR OUT DS AND POWER TONGS	
0.25	0430-0445 HOLD SAFETY MEETING WITH NIGHT CREW & NIPPLE DOWN CREW PRIOR TO NIPPLE DOWN BOPS	
3.25	0445-0800 NIPPLE DOWN BOPS WITH NIPPLE DOWN CREW	
2.50	0800-1030 NIPPLE UP WELLHEAD AND NORWARD TESTERS	
3.00	1030-1330 RIG IN DS AND PRESSURE TESTING UNIT TO PRESSURE TEST ANNULUS TO 21MPA FOR 30 MINS,TO OPEN TUBING,OK	
6.50	1330-2000 RIG IN COIL TUBING UNIT, NITROGEN PUMPER AND C&A UNIT	
0.25	2000-2015 HOLD SAFETY MEETING WITH EVERYONE ON LOCATION, TOPICS DISCUSSED - CT UNIT AND DANGERS/HAZZARDS, TESTING	
	- EQUIPMENT AND HAZZARDS, H2S HAZZARDS AND ERP.	
3.50	2015-2345 PRESSURE TEST COIL TUBING UNIT, LOW PRESSURE TEST TO 2 MPA, HIGH TEST TO 35MPA, LEAK DETECTED IN BX CONNECTION,	
	- BLEED OFF PRESSURE TO REPAIR LEAK. PRESSURE TEST TO 35 MPA NO LEAKS.	
0.25	2345-2400 RIH WITH CT START PUMPING N2 @ 15 SCM.	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, NEWHOOK, WELLS, COLEMAN - SAFETY DAYS 3281

OPS @ 0600: RIG CT UNIT AND EQUIP. TO RUN ACID STIMULATION

Daily Mud Cost:	Daily Tangible Cost: $172,858	Daily Well Cost: $381,722		Chevron %: 62.000
Cum Mud Cost: $3,541	Cum Tangible Cost: $172,858	Cum Well Cost: $1,006,901	Total Appropriated Cost: $1,755,000	

Materials On Hand:

AFE Number: RWNNC-R802	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig:	Rig Phone:	Drilling Rep: J.M./J.N./M.W
Field: FT. LIARD	Lease: CHEVRON ET	Well No: WID#1816	Date: 09 Apr 99
			Page: 1 of 3

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start date: 03/31/99	Actual Days: 9	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POD: 46
Mud Type: CLAY BASED DISPH-USED		Wt: 1160	FV: 63	PV:	YP: 9.0	WL: 6.30
Prod Casing Size: 244.5 mm	Weight: 64.94	Grade: [illegible]	Set @ 2500.0 m MD	2491.4 m TVD		Cmt.Top@ 0.0
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
2466.7	BAKER SIZE 96AA-40 [illegible]-2[illegible] RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 25
5.50	0000-0530 CIRCULATE HOLE TO CONDITION MUD PRIOR TO DISPLACING HOLE TO COMPLETION FLUID	
2.50	0530-0800 SPACE OUT TUBING TO LAND DOGNUT IN FROM CAN COMPRESSION USING 1-1.11M & 1-0.50M PUP JNTS. INSTALL BACK PRESSURE VALVE IN DOGNUT	
0.50	0800-0830 INSTALL STABBING VALVE, RIG UP CHICK STANDS FOR DISPLACEMENT TO COMPLETION FLUID	
0.25	0830-0845 SAFETY MEETING WITH DAY CREW TO DISCUSS DISPLACING PROCEDURE	
6.75	0845-1530 DISPLACE MUD FROM HOLE WITH FRESH WATER OVER THE CIRCULATION THROUGH CHOKE. ADJUST CHOKE TO CALCULATED DRILL PIPE PRESSURE AS MUD DISPLACED FROM TUBING. ADJUST CHOKE TO CALCULATED ANNULAR PRESSURES AS MUD DISPLACED FROM ANNULUS. PUMP STROKES CONSTANT AT 30 SPM (0.[illegible]M3/MIN)THAU 5400 KPA ON BACKSIDE WHEN CHOKING TO MIX INHIBITED H2O	
0.75	1430-1515 MIX 40M3 OF INHIBITED WATER (0.7% HOP 426)	
4.50	1515-1945 CIRCULATE INHIBITED WATER THROUGH CHOKE WHILE MAINTAINING A CONSTANT ANNULAR PRESSURE BETWEEN 5300 - 5600 KPA. MIX AN ADDITIONAL 30M3 OF INHIBITED WATER TO DISPLACE A TOTAL VOLUME OF 80M3.	
0.25	1945-2000 RIG IN RIG UP DISPLACE TUBING TO 1150 KG/M3 MUD	
0.25	2000-2015 SAFETY MEETING WITH NIGHT CREW AND RS PRIOR TO DISPLACING	
0.50	2015-2045 DISPLACE TUBING WITH 9.0 M3 OF MUD HOLDING ANNULAR PRESSURE CONSTANT	
5.25	2045-2400 WAIT ON WELL TO WARM TO ALLOW TUBING TO EXPAND SO TUBING WILL LAND IN PACKER WHEN DOGNUT LANDED	

Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	Km's:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PPE DAILY WALK AROUND & INSPECTION MCNALLEY, MARWOOD, WELLS, COLEMAN - SAFETY DAYS 9280
OPS @ 0600: NIPPLE DOWN BOPS

Daily Mud Cost: 0	Daily Tangible Cost:	Daily Well Costs: $ 74,340		Chevron %: 62.000
Cum Mud Cost: $ 9,941	Cum Tangible Cost:	Cum Well Cost: $ 625,179	Total Appropriated Cost:	$ 1,755,000

Materials On Hand:

AFE Number: [illegible]-REUXV-500	API Well Number: [illegible]29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-264-2119	Drilling Rep: J.H./J.H./M.W
Field: ST. LIARD	Lease: CHEVRON ST AL ST. LIARD E-29	Well No: WID#1816	Date: 08-APR-99
			Page: 1 Of 1

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 8	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 54
Mud Type: CLAY BASED DISPERSED		Wt: 1185	FV: 63	PV:	YP: 9.0	WL: 6.30
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD		Cmt.Top@ 0.0
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
2466.3	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
3.50	T0000-0330	RIH W/ THE FOLLOWING ASSEMBLY FROM TOP TO BOTTOM: SCHLUM. "YELLOW" ROPE SOCKET (WEAK POINT SET @ 3600LBS OVER	
	T -	STRING WEIGHT), 34.9MM PEHE, AH38, 2-72LBS WEIGHT BARS, CCL-L, 3/4" BOX TO SCHLUM 1 11/16" X/O, 2- 35LBS WEIGHT	
	T -	BARS, 1 3/4" HYDRAULIC JARS, 1 3/4" SPANG JARS, 5/8" BOX TO 3/4" PIN X/O WITH 2.5" CAMCO JDC AND 2.5" OTIS GS	
	T -	TO 2479M. JAR UP ON MANDREL 82 TIMES, CAMCO JDC SHEARED, GS & PLUG REMAINED IN HOLE. REPIN CAMCO WITH BRASS PIN	
3.50	T0330-0700	RIH W/ ABOVE ASSEMBLY TO SPANG JARS & X/O WITH 2.5" CAMCO TO 2479M. JAR UP ON MANDREL 63 TIMES, TOOL SHEARED @	
	T -	CAMCO, GS & PLUG REMAINED IN HOLE. REPIN CAMCO WITH STEEL PIN.	
3.00	T0700-1000	RIH W/ ABOVE ASSEMBLY TO SPANG JARS & X/O WITH 2.5" CAMCO TO 2479M. JAR UP ON MANDREL 39 TIMES TOOL SHEARED,	
	T -	POOH WITH GS, PLUG REMAINED IN HOLE. REPIN GS WITH BRASS PIN.	
3.50	T1000-1330	RIH W/ ABOVE ASSEMBLY TO SPANG JARS & X/O WITH 2.5" CAMCO & GS TO 2479M. JAR UP ON MANDREL 31 TIMES,	
	T -	TOOL SHEARED. POOH WITH GS, PLUG REMAINED IN HOLE. REPIN GS WITH STEEL PIN.	
6.75	T1330-2015	RIH W/ ABOVE ASSEMBLY TO SPANG JARS & X/O WITH 2.5" CAMCO TO 2479M. JAR UP ON MANDREL 300 TIMES PULLED FREE,	
	T -	PULLED 2.56" "R" MANDREL (PLUG) TO SURFACE. TOOL APPEARS TO BE STILL IN WORKING ORDER, NO PACKING REMAINING,	
	T -	TWO NICKS BELOW PACKING RECESS AND 1/4" OF WEAR EVIDENT ON MANDREL (MANDREL TRAVEL).	
0.50	T2015-2045	TEAR OUT SCHLUMBERGER WIRELINE TRUCK AND EQUIPMENT	
0.75	2045-2130	UNLATCH FROM PACKER AND RECHECK SPACE OUT FOR TUBING	
2.25	2130-2345	CIRCULATE HOLE @ 50 SPM TO CONDITION MUD PRIOR TO CIRCULATING OVER TO PACKER FLUID	
0.25	2345-2400	RIG SERVICE - FUNC REMOTE CHOKE	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, NEWHOOK, WELLS, COLEMAN - SAFETY DAYS @279
OPS @ 0600: SPACE OUT TUBING TO ALLOW FOR 2000 DAN COMPRESSION WHEN LANDED IN PACKER (BPV INSTALLED IN DOGNUT).

Daily Mud Cost: 0	Daily Tangible Cost:	Daily Well Cost: $ 77,064		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost:	Cum Well Cost: $ 550,839	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./J.N./M.W
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 07-APR-99
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CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 7	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 54
Mud Type: CLAY BASED DISPERSED		Wt: 1160	FV: 63	PV:	YP: 9.0	WL: 6.30
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD		Cst.Top@ 0.0
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
2466.3	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
1.00	0000-0100	1ST ATTEMPT TO LAND PLUG IN 'R' NIPPLE FAILED AS PLUG WOULD NOT SET IN RECESSES	
2.50	0100-0330	RIH WITH 2ND 'R' NIPPLE PLUG, BANG THROUGH 1ST AND 2ND 'R' NIPPLES, JAR UP THROUGH 2ND (BOTTOM) 'R' NIPPLE BANG	
	-	BACK DOWN TO SET PLUG AND IT FELL THROUGH. JARRED BACK UP THROUGH OK, WHEN BANGING BACK DOWN PLUG BECAME STUCK	
4.25	T0330-0745	TRIED TO FREE PLUG BY ALERNATING JARING ACTION UP AND DOWN EVERY 30MIN.	
0.25	T0745-0800	RIG SERVICE - FUNC REMOTE CHOKE O/C 27 SEC	
10.0	T0800-1800	WAIT ON DECISION AS TO AN ALTERNATIVE TO DISPLACE HOLE OVER TO KILL MUD.	
0.25	T1800-1815	HOLD SAFETY MEETING WITH LEE TOOL AND CREW PRIOR TO RUNNING WIRELINE CUTTER.	
1.50	T1815-1945	RUN WIRELINE CUTTER THROUGH TUBING SUCCESSFUL ON FIRST ATTEMPT, TOOL DROPPED TO BOTTOM AND CUT WIRE IN 7 MINS.	
0.25	T1945-2000	RIG SERVICE - FUNCTION ANNULAR PREVENTER C/O 16SEC	
1.75	T2000-2145	RUN IN HOLE WITH SLICK LINE AND RECOVERY TOOL TO RECOVER WIRELINE CUTTER, LATCH ON TO CUTTER PULL TO SURFACE,	
	T -	RIG OUT LEE TOOL SLICK LINE	
0.25	T2145-2200	RIG SERVICE - FUNC TUBING RAMS C/O 7SEC	
2.00	T2200-2400	RIG IN SCHLUMBERGER WIRELINE UNIT TO FISH 'R' NIPPLE PLUG, RIH AND LATCH ON TO PLUG, JAR ON PLUG.	
	T -		
	T -	00:00 TO 0600 OPERATIONS SUMMARY	
	T -	1ST FISHING RUN-RECOVER PLUG SETTING TOOL 20 JARS ON TOOL TO FREE	
	T -	2ND RUN- 80 JARS SHEARED OFF ROPE SOCKET ON TOP OF GS FISHING TOOL	
	T -	3RD RUN- RIH WITH 2" CAMCO RETRIEVING TOOL TO FISH OVER ROPE SOCKET	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, NEWHOOK, WELLS, COLEMAN - SAFETY DAYS @278
OPS @ 0600:3RD FISHING RUN RIH W/ 2" CAMCO RETRIEVING TOOL TO FISH ONTO ROPE SOCKET

Daily Mud Cost: 0	Daily Tangible Cost:	Daily Well Cost: $ 42,402		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost:	Cum Well Cost: $ 475,785	Total Appropriated Cost: $ 1,755,000	

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./J.N./M.W
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 06-APR-99
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CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 6	Auth.Days:	MD: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction: 0.00	Orig KB Elev: 0.00	
				Wind:	Seas: 0.0/0.0	Bar: 0 / POB: 54
Mud Type: CLAY BASED DISPERSED		Wt: 1160	FV: 63	PV:	YP: 9.0	WL: 6.30
Prod Casing Size: 244.5 mm	Weight: 69.94	Grade:	Set @ 2500.0 m MD	2491.4 m TVD		Cmt.Top@ 0.0
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
2466.3	BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER			

Fish Top @ Description:

BHA No:	Details:	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
0.50	0000-0030 LAYDOWN DRILL PIPE	
0.75	0030-0115 RUN IN HWDP 12 STDS OUT OF DERRICK TO LAY DOWN	
0.75	0115-0200 SLIP AND CUT 18M DRILL LINE	
2.00	0200-0400 LAYDOWN HWDP & REMAINING DRILL PIPE	
0.25	0400-0415 LAYDOWN BAKER TOOLS	
0.25	0415-0430 RIG SERVICE - FUNC BLIND BLIND RAMS C/O 6 SEC	
1.00	0430-0530 RIG UP TO RUN TUBING (R/I TONGS)	
0.25	0530-0545 SAFETY MEETING WITH FI CANADA & DAY CREW PRIOR TO RUNNING TUBING	
2.25	0545-0800 RUN 88.9MM 19.27KG/M L-80 533 HYDRIL TUBING	
0.25	0800-0815 HOLD SAFETY MEETING WITH FI CANADA & NIGHT CREW PRIOR TO RUNNING TUBING	
4.25	0815-1230 RUN 88.9MM 19.27KG/M L-80 533 HYDRIL TUBING	
0.25	1230-1245 RIG SERVICE - FUNC ANNULAR PREVENTER C/O 16SEC	
3.50	1245-1615 RUN 88.9MM 19.27KG/M L-80 533 HYDRIL TUBING TO ONE JNT ABOVE PACKER	
2.75	1615-1900 CIRCULATE TUBING @ 50 STK/MIN TO GET BOTTOMS UP (114MM LINERS)	
0.50	1900-1930 HOLD SAFETY MEETING WITH NIGHT CREW PRIOR TO LATCHING INTO PACKER	
1.25	1930-2045 CIRCULATE TUBING, OBTAIN BOTTOMS UP	
0.25	2045-2100 LATCH TUBING INTO PACKER PULL 10KDAN TO CONFIRM SET	
2.75	2100-2345 RIG IN SLICKLINE UNIT AND START TO RUN "RN" PLUG	
0.25	2345-2400 RIG SERVICE	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MCNALLEY, NEWHOOK, WELLS, COLEMAN - SAFETY DAYS @277
OPS @ 0600:ATTEMPTING TO SET SLICK LINE PLUG IN "R" NIPPLE BELOW PACKER (2479.9M)

Daily Mud Cost: 0	Daily Tangible Cost:	Daily Well Cost: $ 111,599		Chevron %: 62.000
Cum Mud Cost: $ 3,541	Cum Tangible Cost:	Cum Well Cost: $ 449,172	Total Appropriated Cost:	$ 1,755,000

Materials On Hand:

AFE Number: RWWNC-R8029-500	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: J.M./J.N./M.V
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Date: 05-APR-99
			Page: 1 Of 1

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 5	Auth. Days:	MD: 3000.0m	TVD: 2916.2m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction:	Orig KB Elev:	
				Wind:	Seas: 0./0.	Bar: 0 / POB: 46

Mud Type: CLAY BASED DISPERSED	Wt: 1160	FV: 63	PV: 21	YP: 9.0	WL: 6.30	
Prod Casing Size: 244.50mm	Weight: 69.94	Grade:	Set @ 2500.0m MD 2491.4m TVD		Cmt.Top @ 0.0	
Liner Size: 0.00	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	Type	Perforations From	To	Details
2467.0	BAKER SIZE 96A4-40 "SC-2P" RET			

Fish Top @ 0.0 Description:

BHA No: 4	Details: P.SET/BUMPER/XOSUB/E2-DP/PUP-JNT/3-E2-DP/RA-TAG	Bit Data		
		Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 23
0.25	T0000-0015 RIH WITH 88.9MM TUBING	
1.00	T0015-0115 RIG OUT FI CANADA	
1.00	T0115-0215 M/U PACKER AND SETTING TOOL	
10.00	T0315-1315 RIH WITH PACKER TO 2455M	
0.25	T1315-1330 RIG SERVICE - FUNC UPPER TUBING RAMS C/O 7SEC	
2.00	1330-1530 RIG IN AND LOG PACKER ON DEPTH WITH SCHLUMBERGER, TEAR OUT LOGGERS	
1.50	1530-1700 DROP BALL AND SET PACKER @ 2467M	
0.50	1700-1730 PRESSURE TEST PACKER FOR 30 MINS	
0.50	1730-1800 BLOW PACKER BALL SEAL ASSEMBLY TO ALLOW FOR CIRCULATION	
0.25	1800-1815 RIG SERVICE - FUNC ANNULAR PREVENTER C/O 16SEC	
0.50	1815-1845 CIRCULATE HOLE PRIOR TO POOH, R/I LAYDOWN TRUCK	
0.25	1845-1900 HOLD SAFETY MEETING PRIOR TO LAYING DOWN DP	
1.00	1900-2000 FLOW CHECK, PUMP PILL LAYDOWN DP	
0.25	2000-2015 HOLD SAFETY MEETING WITH FI CANADA AND NIGHT CREW	
3.50	2015-2345 LAYDOWN PIPE, FLOW CHECK @ 5 STANDS, 30 STANDS, 65 STDS	
0.25	2345-2400 RIG SERVICE - FUNC LOWER PIPE RAMS C/O 5 SEC	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MARSH, NEWHOOK, COLEMAN - SAFETY DAYS @276
OPS @ 0600: RIG TO RUN 88.9MM TUBING

Daily Mud Cost: $208	Daily Tangible Cost:	Daily Well Cost: $71,021		Chevron %: 62.000
Cum Mud Cost: $3,541	Cum Tangible Cost:	Cum Well Cost: $337,573	Total Appropriated Cost: $1,755,000	
Materials On Hand:				

AFE Number: RWWNC-R802	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig:	Rig Phone:	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET	Well No: WID#1816	Date: 04 Apr 99
			Page: 5 of 5

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 4	Auth. Days:	MD: 3000.0m	TVD: 2916.2m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction:	Orig KB Elev:	
				Wind:	Seas: 0./0.	Bar: 0 / POB: 46
Mud Type: CLAY BASED DISPERSED	Wt: 1140	FV: 55	PV: 20	YP: 9.0	WL: 6.20	
Prod Casing Size: 244.50mm	Weight: 69.94	Grade:	Set @ 2500.0m MD 2491.4m TVD		Cmt.Top @ 0.0	
Liner Size: 0.00	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	Type	Perforations From	To	Details

Fish Top @ 0.0 Description:

BHA No: 3 Details: BIT/BIT-SUB/XO/55-E2-DP/XO/XO/SCRAPER/BIT-SUB/XO/3-HWDP/JAR/33-HWDP

Bit Data		
Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
0.25	T0000-0015	WASH IN 3 STANDS TO 2990M	
3.00	T0015-0315	CIRCULATE AND WORK PIPE BOTTOMS UP GAS BROKE OUT AT SURFACE	
0.75	T0315-0400	FLOW CHECK (SLIGHT FLOW)	
2.25	T0400-0615	CIRCULATE AND CONDITION MUD WEIGHT UP FROM 1140 TO 1150KG/M3	
1.50	T0615-0745	FLOW CHECK, PUMP PILL, START TO POOH FOR WIPER TRIP	
0.25	T0745-0800	RIG SERVICE - FUNC ANNULAR PREVENTER C/O 15 SEC	
3.25	T0800-1115	WIPER TRIP TO 1500M, RIH TO BOTTOM	
1.75	T1115-1300	CIRCULATE AND CONDITION MUD PRIOR TO POOH	
0.25	T1300-1315	RIG SERVICE - CLOSE LOWER PIPE RAMS C/O 7SEC	
5.75	T1315-1900	FLOW CHECK, PUMP PILL, POOH TO RUN GAUGE RING/JUNK BASKET. FLOW CHECK @ 5 STDS, 30STDS, HWDP & OOH	
2.00	T1900-2100	RIG IN SCHLUMBERGER AND RUN WIRELINE CONVEYED GAUGE RING/JUNK BASKET	
0.25	T2100-2115	OPERATIONS MEETING WITH NIGHT CREW	
1.25	T2115-2230	RIG IN FI CANADA TO RUN 88.9MM TAIL PIPE	
0.25	T2230-2245	SAFETY MEETING WITH FI CANADA	
1.00	T2245-2345	RUN 88.9MM TAIL PIPE	
0.25	T2345-2400	RIG SERVICE - FUNC TUBING RAMS C/O 6 SEC	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MARSH, NEWHOOK, COLEMAN - SAFETY DAYS @275

OPS @ 0600: RIH WITH PACKER SLOW, 2 - 4 MIN /STAND

Daily Mud Cost: $2,393	Daily Tangible Cost:	Daily Well Cost: $70,848		Chevron %: 62.000
Cum Mud Cost: $3,333	Cum Tangible Cost:	Cum Well Cost: $266,552	Total Appropriated Cost: $1,755,000	

Materials On Hand:

AFE Number: RWWNC-R802	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig:	Rig Phone:	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET	Well No: WID#1816	Date: 03 Apr 99
			Page: 4 of 5

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 3	Auth. Days:	MD: 3000.0m	TVD: 2916.2m	PBTD: 0.0
Job Description: COMPLETE AND TEST				KB Correction:	Orig KB Elev:	
				Wind:	Seas: 0./0.	Bar: 0 / POB: 46
Mud Type: CLAY BASED DISPERSED	Wt: 1150	FV: 60	PV: 21	YP: 8.5	WL: 6.20	
Prod Casing Size: 244.50mm	Weight: 69.94	Grade:	Set @ 2500.0m MD 2491.4m TVD		Cmt.Top @ 0.0	
Liner Size: 0.00	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	Type	Perforations From	To	Details

Fish Top @ 0.0 Description:

BHA No: 3 Details: BIT/BIT-SUB/XO/55-E2-DP/XO/XO/SCRAPER/BIT-SUB/XO/3-HWDP/JAR/33-HWDP

Bit Data		
Number	Type	Serial Number

Hours	(From - To)	Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
1.75	T0000-0145	M/U PACKER RETRIEVING TOOLS AND RIH TO 725M	
0.75	T0145-0230	SLIP AND CUT 18M DRILLING LINE	
0.25	T0230-0245	RIG SERVICE - FUNC ANNULAR C/O 16SEC	
1.00	T0245-0345	RIH TO 1600M WITH PACKER RETRIEVING TOOL	
0.25	T0345-0400	SET INTO PACKER WITH RETRIEVING TOOL	
11.50	T0400-1530	POOH WITH PACKER WET, PULL SLOWLY (6 STDS/HR)	
0.50	T1530-1600	LAY OUT PACKER	
1.25	T1600-1715	RIG IN FI CANADA POWER TONGS AND LAYDOWN MACHINE	
0.25	T1715-1730	RIG SERVICE - FUNC UPPER TUBING RAMS ON TUBING C/O 6SEC	
0.25	T1730-1745	SAFETY MEETING W/ FI CANADA AND DAY CREW	
1.25	T1745-1900	LAYDOWN TUBING FLOW CHECK OUT OF HOLE	
1.00	T1900-2000	M/U AND START TO RIH WITH SCRAPER ASSEMBLY	
0.25	T2000-2015	SAFETY MEETING WITH FI CANADA AND NIGHT CREW	
1.00	T2015-2115	PICK UP HWDP AND RUN IN HOLE	
0.50	T2115-2145	RIG OUT LAYDOWN MACHINE	
2.00	T2145-2345	RIH WITH SCRAPER ASSEMBLY, BREAK CIRCULATION @ 1580M	
0.25	T2345-2400	RIG SERVICE - FUNC LOWER PIPE RAMS C/O 6 SEC	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PPRE DAILY WALK AROUND & INSPECTION MARSH, NEWHOOK, COLEMAN - SAFETY DAYS @274
OPS @ 0600: BEGIN TO PULL WIPER TRIP, WILL PULL TO 1500M.

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $37,177		Chevron %: 62.000
Cum Mud Cost: $940	Cum Tangible Cost:	Cum Well Cost: $195,704	Total Appropriated Cost: $1,755,000	

Materials On Hand:

AFE Number: RWWNC-R802	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig:	Rig Phone:	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET	Well No: WID#1816	Date: 02 Apr 99
			Page: 3 of 5

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 2	Auth. Days:	MD: 3000.0m	TVD: 2916.2m	PBTD: 0.0	
Job Description: COMPLETE AND TEST				KB Correction:		Orig KB Elev:	
				Wind:	Seas: 0./0.	Bar: 0	POB: 46
Mud Type: CLAY BASED DISPERSED		Wt: 1150	FV: 60	PV: 21	YP: 8.5	WL: 6.20	
Prod Casing Size: 244.50mm	Weight: 69.94	Grade:	Set @ 2500.0m MD 2491.4m TVD			Cmt.Top @ 0.0	
Liner Size: 0.00	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	Type	Perforations From	To	Details

Fish Top @ 0.0 Description:

BHA No: 2 Details: P.SET/BUMPER/XOSUB/E2-DP/PUP-JNT/3-E2-DP/RA-TAG

Bit Data		
Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
1.75	0000-0145 POOH TO HWDP, FLOW CHECK	
0.50	0145-0215 RIG UP FI CANADA LAYDOWN TRUCK.	
0.25	0215-0230 HOLD SAFETY MEETING WITH FI AND RIG PRIOR TO LAYING DOWN HWDP	
0.75	0230-0315 LAY DOWN 33 JOINTS OF HWDP	
2.50	0315-0545 RIG UP FI CANADA TO RIH WITH TAILPIPE/PACKER	
0.25	0545-0600 SAFETY MEETING PRIOR TO RUNNING PACKER	
0.25	0600-0615 RIG SERVICE - FUNC BLIND RAMS C/O 6 SEC	
1.75	0615-0800 RIH WITH 19 JOINTS 88.9MM HDRIL 533 TUBING AS TAILPIPE	
0.25	0800-0815 HOLD OPERATIONS MEETING WITH DAY CREW	
0.75	0815-0900 TEAR OUT LAYDOWN TRUCK	
1.00	0900-1000 M/U AND RIH WITH PACKER (BAKER SIZE 96A4-40 "SC-2P" RETRIEVABLE PACKER)	
4.00	1000-1400 RUN IN HOLE WITH PACKER FILLING PIPE EVERY 3 STANDS	
3.75	T1400-1745 PACKER HANGING UP @ 1568M, WORK PKR DOWN TO 1602M, STUCK @ 1602M, SET PKR, RELEASE FROM PKR, UNABLE TO BLOW	
	T - BALL SEALS, POOH WET PIPE	
3.00	T1745-2045 FLOW CHECK, HOIST TO RIH WITH RETRIEVING TOOL, POOH WET, FLOW CHECK @ 6 STDS, 30STDS, 60STDS, OOH	
0.25	T2045-2100 LAYDOWN BAKER SETTING TOOL	
0.25	T2100-2115 RIG SERVICE - FUNC BLIND RAMS C/O 6 SEC	
2.75	T2115-2400 CHANGE OUT TOP PIPE RAMS TO 88.9MM TUBING RAMS, PRESSURE TEST ,	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents: NONE

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MARSH, NEWHOOK, COLEMAN - SAFETY DAYS @273
OPS @ 0600: POOH WITH PACKER/TAILPIPE ASSEMBLY, PULL SLOW (6 STDS/ HR), PULLING WET

Daily Mud Cost: $431	Daily Tangible Cost:	Daily Well Cost: $37,595		Chevron %: 62.000
Cum Mud Cost: $940	Cum Tangible Cost:	Cum Well Cost: $158,527	Total Appropriated Cost: $1,755,000	

Materials On Hand:

AFE Number: RWWNC-R802	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig:	Rig Phone:	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET	Well No: WID#1816	Date: 01 Apr 99
			Page: 2 of 5

CHEVRON (Metric) **Daily Completion/WO Report**

Spud Date: 02/03/99	Start Date: 03/31/99	Actual Days: 1	Auth. Days:	MD: 3000.0m	TVD: 2916.2m	PBTD:
Job Description: COMPLETE AND TEST				KB Correction:	Orig KB Elev:	
				Wind:	Seas: /	Bar: / POB: 46
Mud Type: CLAY BASED DISPERSED	Wt: 1150	FV: 60	PV: 21	YP: 8.5	WL: 6.20	
Prod Casing Size: 244.50mm	Weight: 69.94	Grade:	Set @ 2500.0m MD 2491.4m TVD		Cmt.Top @ 0.0	
Liner Size: 0.00	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	Type	Perforations From	To	Details

Fish Top @ Description:

BHA No: 1 Details: BIT/BIT-SUB/XO/15-E2-DP/16-HWDP/JAR/20-HWDP

Bit Data		
Number	Type	Serial Number

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total hours Reported: 24
1.50	0000-0130 CIRCULATE & WORK PIPE ON BOTTOM	
4.50	0130-0600 FLOW CHECK, PUMP PILL, POOH, FLOW CHECK @ SHOE, 40 STDS, HWDP	
1.00	0600-0700 R/I FI CANADA TO LAYDOWN HWDP	
0.25	0700-0715 RIG SERVICE- FUNC TOP PIPE RAMS C/O 6 SEC	
0.25	0715-0730 SAFETY MEETING WITH FI CANADA & NIGHT CREW PRIOR TO LAYING DOWN HWDP	
0.50	0730-0800 LAYDOWN HWDP	
0.25	0800-0815 SAFETY MEETING WITH FI CANADA & DAY CREW PRIOR TO LAYING DOWN HWDP	
1.25	0815-0930 LAYDOWN HWDP	
0.25	0930-0945 HOLD OPERATIONS MEETING WITH DAY CREW	
3.00	0945-1245 R/I FI CANADA LAYDOWN TRUCK, P/U HWDP, RIH, RIG OUT FI CANADA	
3.25	1245-1600 RIH WITH DRILL PIPE AND BREAK CIRCULATION @ 2488M	
3.75	1600-1945 CIRCULATE ON BOTTOM, WOO	
0.25	1945-2000 RIG SERVICE - FUNC BOTTOM PIPE RAMS C/O 7 SEC	
1.00	2000-2100 CIRCULATE ON BOTTOM PRIOR TO POOH	
2.50	2100-2330 FLOW CHECK, PUMP PILL, POOH TO RUN PACKER AND TAILPIPE ASSEMBLY	
0.25	2330-2345 OPERATIONS MEETING WITH NIGHT CREW	
0.25	2345-2400 RIG SERVICE - FUNC ANNULAR PREVENTER C/O 16 SEC	
	- NOTE: EXTRA COSTS ADDED TODAY	
	- JV OVERHEAD COMPLETIONS TOTAL $19000	
	- ENGINEERING TECH SERVICES TOTAL $17000	
	- ALL CUMMULATIVE STANDBY & TRANSPORTATION COSTS FOR COMPLETION ADDED TODAY AS WELL	
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Fluid Lost To Formation Daily: Cumulative:

Hours Charged To			Hours Used		Other Charges	H_2S:
Contractor:	Chevron:	Travel:	Tongs:	Circ. Equip:		Incidents:

Remarks:
PP&E DAILY WALK AROUND & INSPECTION MARSH, NEWHOOK, COLEMAN - SAFETY DAYS @272
OPS @ 0600: BEGIN RUNNING IN HOLE WITH 88.9MM HYDRIL 533 TAIL PIPE

Daily Mud Cost: $509	Daily Tangible Cost:	Daily Well Cost: $120,932		Chevron %: 62.000
Cum Mud Cost: $509	Cum Tangible Cost:	Cum Well Cost: $120,932	Total Appropriated Cost: $1,755,000	

Materials On Hand:

AFE Number: RWVNC-R802	API Well Number: 300K29603012	Well ID: CR0008	Project ID: 1
Country: CANADA	Rig:	Rig Phone:	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET	Well No: WID#1816	Date: 31 Mar 99
			Page: 1 of 5

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 65	DFS: 56	Spud Date: 02/03/99	Daily Footage: 0.0	Daily Rot Hrs: 0.0	Total Rot Hrs: 544.7
Torq: 0	Drag: 14.0	Rot Wgt: 99.0	P/U Wgt: 113.0	Slack Off Wgt: 88.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 43			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N	
Cum Rot Hrs On Casing: 1,033.	Cum Rot Hrs On Casing Since Last Caliper: 1,033.	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 DISPERSED	Sample From: FLOW	Wt: 1146	FV: 53	PV: 19
YP: 8.5	Gel: 4 / 8				
WL API: 6.1 HTHP: 12.0	FC (mm) API: 1.0 HTHP: 1.5	Solids: 9.00	% Oil: 0.00	%Water: 0.00	% Sand: 1.00
MBT: 50.0	Ph: 10.40				
Pm: 0.000	Pf/Mf: 4.00 / 1.00	Carb: 480	Cl: 350	Ca: 60	Bent: 26.5
Solids %HG/LG: 0.00 / 9.00	%DS/Bent: 8.0 / 1.0				

9	22KG BICARB	25	22KG LIGNITE	3	22KG DRISPAC REG	9	22KG SODA ASH	2	25KG XCD
3	18KG DEFOAMER	40	40KG BENTONITE NT	56	25KG CA CARB MED				

Drlg Gas: 0	Max Gas: 0	Conn Gas: 0	Trip Gas: 0	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
15 RR-2	537	215.9	SEC	731699	GS86F	0.0/0.0/0.0/0.0/0.0	0	3000.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
0.0	0.0	0.0/0.0	/									0.00
		/	/									

Total Length of BHA: 603.05 m BHA Description: BIT/BIT SUB/X/O/27JTS E2DP/X/O/DP SUB/CSG SCRAPER/BIT SUB/X/O/3JTS HWDP/JAR/33 JTS HWDP

Hrs On Jars: 109.3 Hours Since Last Inspection: 109.3

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
15 RR-2	152 / 0 / 0	235.0/235.0/254.0	120/ /	5700	1.53	0.00	60.50	112.35	0.00	0.0	145.70
	/ /	/ /	/ /								

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 RUN SCHLUMBERGER LOG #5 SP-AIT-ARI-LDT-EMS-GR-AMS-CCL FROM 2500M TO 3000M.	
0.25	0745-0800 RIG SERVICE	
4.00	0800-1200 RU OUT OF HOLE WITH LOGGING TOOLS, CALIPER ARMS WILL NOT CLOSE PROPERLY	
4.00	1200-1600 P/U TOOLS FOR LOGGING RUN #6 CCL-GR, RUN LOG FROM 2500-2300M, POOH & LAY DOWN TOOLS	
0.50	1600-1630 RIG SERVICE - FUNC BLIND RAMS C/O 7 SEC	
5.00	1630-2130 M/U BIT AND SCRAPER BHA, RIH TO BOTTOM, POSITION SCRAPER @ 2468M	
2.25	2130-2345 CIRCULATE HOLE AND WORK PIPE TO CONDITION HOLE FOR PACKER RUN	
0.25	2345-2400 RIG SERVICE - FUNC ANNULAR PREVENTER C/O 16SEC	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, COLEMAN- SAFETY DAYS @ 270

OPERATIONS @ 0600: POOH W/ SCRAPPER & L/D HWDP.

OBJECTIVES FOR NEXT 24 HRS: LAYDOWN HWDP, L/D SCRAPER, M/U PACKER/TAILPIPE ASS & RIH TO SET

Daily Mud Cost: $ 3,116	Daily Tangible Cost:	Daily Well Cost: $ 138,037	Incidents: NONE
Cum Mud Cost: $ 430,367	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,956,477	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 295.0	Bulk Weight: 0.0	Neat Cement: 0.0	Blended: 40.0
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 30-MAR-99	Page: 1 Of 1		

CHEVRON CANADA RESOURCES (Metric) **Drilling Activity Report**

Measured Depth:	3330.0 m	TVD:	[illegible]	PBTD:	8.8	Projected MD:	3370.0 m	Projected TVD:	[illegible]				
Type:	85	Age:	16	Spud Date:	08/03/80	Daily Footage:	0.0	Daily Roc Hrs:	0.0	Total Roc Hrs:	344.7		
Tong:	0	Incag:	14.0	Roc Wgt:	99.0	P/U Wgt:	113.0	Slack Off Wgt:	88.0	Wind:		Seas:	0.0 / 0.0
Wat:	0	DOB:	45										

Last Casing Size: 244.5 mm Set At: 2500.0 m MD 2481.6 m TVD Since Test: 1427 MPa Leakoff: N
Cum Pad Hrs On Casing: 1,033. Cum Rot Hrs On Casing Since Last Caliper: 1,033. Depth Next Wear: 0 Remaining:
Taken Slow: 0.0 Due Abt: 0.0 MD 0.0 TVD Stop Trip At: 0.0 MD 0.0 TVD

Mud Co: MI DRILLING FLUIDS Type: CLAY FREE LIGNOSULFONATE Sample From: Flow Wt: 1146 PV: 13 YP: 18 YD: 0.0 Gel: 4 / 8
Wt: 1146 API: 6.1 HTHP: 12.0 PC (mm) API: 3.0 HTHP: 0.0 Solids: 9.00 % Oil: 0.00 Water: 0.00 % Sand: 1.00 MBT: 50.0 pH: 10.50
Pm: 0.000 Pf/Mf: 4.00 / 1.00 Cacl2: 400 Cl: 350 Ca: 80 Hard: 26.5 Solids HG/LG: 0.00 / 0.00 LGS/Bent: 0.0 / 1.0

9 20KG BARITE 25 20KG LIGNITE 3 20KG LIGNOSAL REG 0 20KG SODA ASH 2 25KG XCD
3 16KG DEFOAMER 40 40KG BENTONITE NT 56 25KG CA CMPD MED

Trip Gas:	Mud Gas:	Conn Gas:	Trip Gas:	Trip Cl:	Remarks:
0	0	0	0		

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
16 RR-2	537	445.9	SMI	[illegible]	[illegible]	8.0/8.0/8.0/8.0/8.0 / / / /	0 / 0	0000.0		

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	Pull	Cost/m
0.0	0.0	0.0/0.0 / /	/ /									0.00

[illegible] 603.03 m [illegible]
SHDF/ABR/33 JTS MWD

Hrs On Jars: 109.3 Hours Since Last Inspection: 109.3

Bit Nozz	Pump	Strokes	Spm	Press.	MJ/Min	Jet Vel	DP Av	DC Av	Bit Hrs	WOB/RPM	Pump HP
16RR-2	1k2 / 0 / 0 / / /	235.0/235.0/234.0 / / /	121 / /	5700	1.46	11.181	91.90	116.23	0.00	0.0	240.19

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 [illegible] TRIP ROOM TO 5000M.	
0.25	0745-0800 RIG SERVICE	
4.00	0800-1200 RU OUT OF HOLE WITH LOGGING TOOLS. CALIPER ARMS WILL NOT CLOSE PROPERLY	
4.00	1200-1600 P/U TOOLS FOR LOGGING RUN #6 GEL-GR. RUN LOG FROM 2500-2300M. POOH & LAY DOWN TOOLS	
0.50	1600-1630 RIG SERVICE FUNCTION BLIND RAMS UAO 5 MIN	
5.00	1630-2130 M/U 17½ NEW SCRAPER BHA, RIH TO 4000M, POSITION SCRAPER @ 2400M	
1.75	2130-2345 CIRCULATE HOLE AND WORK PIPE TO CONDITION HOLE FOR FORMATION RUN	
0.25	2345-2400 RIG SERVICE FUNCTION ANNULAR TOPDRIVE C/O LOCKS	

Remarks:
[illegible]
UNDERREAMING 8 [illegible] RUN w/ SCRAPER & L/T MWD.
CONTINUE POOH TRIP 24 HRS: LAYDOWN MWD, L/D SCRAPER, M/U FORMATION ARM & RIH TO 4000

Daily Mud Cost: $ 3,116	Daily Tangible Cost:	Daily Well Cost: $ 136,202	Incidents: NONE
Cum Mud Cost: $ 170,267	Cum Tangible Cost: $ [illegible]	Cum Well Cost: $ 5,950,803	Total Appr: $ 11,300,439

Drill Water:	Potable Water:	Fuel: 995.0	Bulk Weight: 0.0	Meat Consumt: 0.0	Standard: 60.0
County: CROWN		RIG: RIG 846	Rig Phone: 403-204-2119	Drilling Rep: [illegible]	
Field: [illegible]	Lease: CHEVRON ET AL [illegible]	Well No: [illegible]	Well ID: CH0008 -0		
	AFE No: [illegible]	AFE No: [illegible]	Date: 30-MAR-99	Page: 1 OF 1	

CHEVRON CANADA RESOURCES
DAILY DRILLING REPORT (Metric)
OPERATOR STATUS: OP
30-MAR-99 OPERATIONS
WESTERN CANADA
EXPLORATORY WELL

COUNTRY: CANADA
WELL NAME: CHEVRON ET AL FT. LIARD K-25
FIELD: FT. LIARD
RIG: ARTTA #40
WELL NAME: CHEVRON ET AL FT LIARD
MUD WT: 1146
CURR DAYS: 68
UWI/WNO: UK0008-0
CUR MD: 3000.0m
AFE DAYS:
CHEVRON SHARE: 62.06
ADJ MD: 2978.0m
COST TO DATE: $ 5,850,803
AFE #: NWNC-R8029-400
CURR TVD: 2916.2m
TOTAL AUTH: $ 11,306,498
LAST SURVEY: 36.1 @ 2983.0m
APP TVD: 2917.0m
CHEVRON COST: $ 3,689,498
OPERATOR: CHEVRON
WTR DEPTH:
CASING: 243.8mm@ 2500.0m
PBTD: 0.0m
GEOLOGICAL OBJECTIVE:
JOB TYPE: DRILL & COMPLETE
NAHANNI

LAST 24 HOURS:
RUN LOG # 5 SP-AIT-ARI-LDT-EMS-GR-AMS-CCL FR 2500 - 3000M, ON TRIP OUT CCL MALFUNCTIONED AND CALIPERS BECAME STUCK OPEN, HAD TO REMOVE TOOLS SLOWLY. L/D LOG #5 TOOLS AND P/U RUN #6 TOOLS, RUN LOG #6 CCL-GR FROM 2300M TO 2500M, L/D TOOLS AND RIG OUT SCHLUMBERGER. MAKE UP SEC S886F BIT AND CASING SCRAPER BHA AND RUN IN HOLE TO POSITION SCRAPER @ 2468M, CIRCULATE HOLE CLEAN PRIOR TO RUNNING PACKER/TAILPIPE.

PRESENT OPERATIONS:
OPS @ 0600:POOH W/ CRAPPER & L/D HWDP

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 64	DFS: 55	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 0.0	Total Rot Hrs: 542.7
Torque: 12000	Drag: 14.0	Rot Weight: 99.0	P/U Weight: 113.0	Slack Off Weight: 88.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 43			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N	
Cum Rot Hrs On Casing: 1,033.	Cum Rot Hrs On Casing Since Last Caliper: 1,033.	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 DISPERSED	Sample From: FLOW	Wt: 1146	FV: 56	PV: 19
YP: 8.5	Gel: 4 / 8				
WL API: 4.8	HTHP: 9.5	FC (mm) API: 1.0	HTHP: 1.5	Solids: 9.00	% Oil: 0.00
%Water: 0.00	% Sand: 1.00	MBT: 50.0	Ph: 10.4		
Pm: 0.00	Pf/Mf: 4.00 / 1.00	Carb: 480	Cl: 350	Ca: 18.3	Bent: 26.50
Solids %HG/LG: 0.00 / 9.00	%DS/Bent: 8.0 / 1.0				
98 25 KG CA CARB	1 18KG DEFOAMER	3 22KG LIGNITE	3 25KG LIME		

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
15 RR-2	537	215.9	SEC	731699	GS86F	0.0/0.0/0.0/0.0/0.0	0	3000.0 m	3000.0 m	2916.2 m
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
0.0	0.0	0.0/0.0	/	2	2	BT	H7	E	E	WT	TQ	0.00
		/	/									

Total Length of BHA: 485.1 m BHA Description: BIT/BIT-SUB/X-OVER/15JTSX3DPO/12-5" HWDP/JARS/2-12-5" HWDP

Hrs On Jars: 109.3 Hours Since Last Inspection: 109.3

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
15 RR-2	152.0/152.0/	/ /	120/ /	7400	1.53	0.00	60.50	112.35	0.00	0.0	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
4.75 T	0000-0445 MAKE UP BIT (RR GS86F) AND RIH FLOW CHECK @ 300, 1425, 2500M	
0.75 T	0445-0530 SLIP & CUT 36M DRILL LINE	
0.25 T	0530-0545 RIG SERVICE - FUNC BOTTOM PIPE RAMS C/O 6 SEC	
0.75 T	0545-0630 RIH FROM 2500M TO BOTTOM, WASH TO BOTTOM FROM 2880, NO FILL	
2.25 T	0630-0845 CIRCULATE AND CONDITION MUD	
5.25 T	0845-1400 FLOW CHECK PUMP PILL, POOH, FLOW CHECK @ SHOE, 50 STDS, 75 STDS, HWDP, OOH	
0.25 T	1400-1415 RIG SERVICE - FUNC BLIND RAMS C/O 6 SEC	
1.75 T	1415-1600 RIG UP SCHLUMBERGER TO RUN LOG #4 FMI-CNL-LDT-GR	
8.00	1600-2400 RUN LOG #4 (TD-INT CSG SHOE @ 2500M)	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, COLEMAN- SAFETY DAYS @ 269

OPERATIONS @ 0600: RUNNING OUT WITH LOGGING RUN #5 SP-AIT-ARI-LDT-EMS-GR-AMS-CCL

OBJECTIVES FOR NEXT 24 HRS: RUN LOG #6 (CCL-LDT), RUN SCRAPER TRIP

Daily Mud Cost: $ 578	Daily Tangible Cost:	Daily Well Cost: $ 50,904	Accidents: NONE
Cum Mud Cost: $ 429,024	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,813,857	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 295.0	Bulk Weight: 0.0	Neat Cement: 0.0 Blended: 40.0
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No:	Date: 29 Mar 99	Page: 4 Of 4	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 63	DFS: 54	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs: 542.7
Torque:	Drag:	Rot Weight:	P/U Weight:	Slack Off Weight:	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 43			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N	
Cum Rot Hrs On Casing: 1,033.	Cum Rot Hrs On Casing Since Last Caliper: 1,033.	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 DISPERSED	Sample From: FLOW	Wt: 1140	FV: 58	PV: 20
YP: 8.5	Gel: 5 / 10				
WL API: 0.8	HTHP: 9.5	FC (mm) API: 1.5	HTHP: 1.0	Solids: 9.00	% Oil: 0.00
%Water: 0.00	% Sand: 1.00	MBT: 50.0	Ph: 10.3		
Pm: 0.00	Pf/Mf: 5.00 / 1.00	Carb: 660	Cl: 350	Ca: 24.4	Bent: 31.61
Solids %HG/LG: 0.00 / 8.00	%DS/Bent: 6.0 / 1.0				

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: 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: 24.0
7.75 T	0000-0745 LOGS STUCK ON BOTTOM AND TELEMETRY CATRIDGE MALFUNCTIONING DUE TO HIGH BTTM HOLE TEMP. PULLED OVER TO	
T	- 7400LBS. WORK LINE AND GRADUALLY GET WEIGHT TO THE TOOLS AND COME OFF BTTM. 7100LBS REQUIRED TO POOH IN DEV.	
T	- SECTION. TOOL WEIGHT=18000 LBS. POOH W/ LOGGING TOOLS. LOGGING RUN # 1 A MISRUN	
0.25	0745-0800 RIG SERVICE. FCN REMOTE CHOKE	
11.75	0800-1945 LOGGING RUN #2. 2500-3000M.SGT-DSI-EMS-NPLC-HNGS. PULLED 6900LBS OFF BOTTOM (TOOL WEIGHT 14000LBS). RUN # 2 OK!	
0.25	1945-2000 RIG SERVICE.	
3.50 T	2000-2330 LOGGING RUN #3. 2500-3000M. AIT-ARI-CCL. LOGGING TOOLS POWERED OUT. SUSPECTED HEAD PROBLEM.	
T	- WITH TOOLS TO SURFACE IT WAS DETERMINED THAT THERE WAS A PROBLEM WITH COMPUTER. NEW TRUCK DISPATCHED TO LOCATION	
T	- LOGGING RUN # 3 A MISRUN	
0.25	2330-2345 RIG SERVICE	
0.25	2345-2400 AKITA SAFETY AND ENVIRONMENTAL MEETING IN DOGHOUSE W/ NIGHT CREW	
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Remarks:
NOPERATIONS @ 0600: RIH TO CIRCULATE WHILE WOE

OBJECTIVES FOR NEXT 24 HRS: RIH FOR WIPER/COOL DOWN TRIP. WAIT ON SCHLUMBERGER LOGGING UNIT FROM G.P.

PP&E DAILY WALK AROUND AND INSPECTION MARSH, LUITKUS, LEACOCK - SAFETY DAYS @ 268

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 28,184	Accidents: NONE
Cum Mud Cost: $ 428,446	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,762,953	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 295.0	Bulk Weight: 0.0
Neat Cement: 0.0	Blended: 40.0		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/LIUTKUS
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No:	Date: 28 Mar 99	Page: 3 Of 4

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 3000.0 m	TVD: 2916.2 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 62	DFS: 53	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 6.7	Total Rot Hrs: 542.7
Torque: 0	Drag: 4.0	Rot Weight: 100.0	P/U Weight: 104.0	Slack Off Weight: 94.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 43			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N	
Cum Rot Hrs On Casing: 1,033.	Cum Rot Hrs On Casing Since Last Caliper: 1,033.	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 DISPERSED	Sample From: FLOW	Wt: 1140	FV: 58	PV: 20
YP: 8.5	Gel: 5 / 10				
WL API: 0.8	HTHP: 9.5	FC (mm) API: 1.5	HTHP: 1.0	Solids: 9.00	% Oil: 0.00
%Water: 0.00	% Sand: 1.00	MBT: 50.0	Ph: 10.3		
Pm: 0.00	Pf/Mf: 5.00 / 1.00	Carb: 660	Cl: 350	Ca: 24.4	Bent: 31.61
Solids %HG/LG: 0.00 / 8.00	%DS/Bent: 6.0 / 1.0				

112 25KG CA CARBO 2 18KG DEFOAMER 6 22KG DESCO 4 22KG DRISPAC 5 22KG LIGNITE

6 25KG LIME

Drlg Gas:	Max Gas: 1	Conn Gas:	Trip Gas: 4	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: 532.4m BHA Description: BIT/NAVIDRIL/FLT-SUB/SHT-MONEL/FLEX-MONEL/HG-OFFSUB/X-OVER-NM/FLEX-MONEL/FLEX -MONEL/15JTSX3DPO/12-5" HWDP/JARS/25-5"HWDP

Hrs On Jars: 109.3 Hours Since Last Inspection: 109.3

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: 24.3
6.75	0000-0645 DIR DRILL IN 215.9MM HOLE FROM 2969-3000M. 12-13DAN, 80 RPM, 1.5M3/MIN. 3 M/HR SLIDING. 5-10M/HR ROTATING	
0.50	0645-0715 SURVEY TIME.	
0.25	0715-0730 RIG SERVICE. FCN ANNULAR: O/C - 16 SECS	
1.00	0730-0830 CIRCULATE BTTMS UP AND RAISE MW TO 1140 KG/M3 PRIOR TO PULLING A WIPER TRIP UP INTO THE CASING	
3.00	0830-1130 WIPER TRIP INTO THE CASING AT 2500M	
1.00	1130-1230 CIRCULATE BOTTOMS UP AND PREPARE TO POOH	
7.25	1230-1945 POOH AND L/D DIRECTIONAL TOOLS AND MWD. MEAS:14.53, CALC 14.33, DIFF:0.22. STRAP:3000.67M, BOARD:3000M	
0.25	1945-2000 RIG SERVICE. FCN BR'S: O/C - 5 SECS	
0.50	2000-2030 RIG UP SCHLUMBER LOGGING TOOLS	
0.25	2030-2045 PRE-JOB SAFETY MEETING W/ THE NIGHT CREW AND SCHLUMBERGER	
0.25	2045-2100 RIG SERVICE. FCN TPR'S: O/C - 6 SECS	
3.25	2045-2400 FIRST LOGGING RUN: 2500-3000M	
	- GR-AIT-EMS-DSI-AMS-CCL4	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, LIUTKUS, LICKOCK - SAFETY DAYS @ 267

NOPERATIONS @ 0600: POOH W/ LOGGING TOOLS. FAILED RUN

OBJECTIVES FOR NEXT 24 HRS: COMPLETE 3 LOGGING RUNS W/ SCHLUMBERGER AND RIG OUT LOGGIN TOOLS.

LAST SURVEY: 2983M, 36.1 DEG, 119.2 AZM.(EXTRAPOLATED BH SURVEY):3000M, 36.1 DEG, 120 AZM

Daily Mud Cost: $ 2,054	Daily Tangible Cost:	Daily Well Cost: $ 70,913	Accidents: NONE
Cum Mud Cost: $ 428,446	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,734,769	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 295.0	Bulk Weight: 0.0
Neat Cement: 0.0	Blended: 40.0		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/LIUTKUS
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No:	Date: 27 Mar 99	Page: 2 Of 4

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2969.0 m	TVD: 2887.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 61	DFS: 52	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 20.8	Total Rot Hrs: 536.0
Torque: 0	Drag: 4.0	Rot Weight: 100.0	P/U Weight: 104.0	Slack Off Weight: 94.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 34			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N	
Cum Rot Hrs On Casing: 96.3	Cum Rot Hrs On Casing Since Last Caliper: 96.3	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 DISPERSED	Sample From: FLOW	Wt: 1125	FV: 60	PV: 30
YP: 10.0	Gel: 6 / 11				
WL API: 1.2	HTHP: 9.8	FC (mm) API: 2.0	HTHP: 1.5	Solids: 8.00	% Oil: 0.00
%Water: 0.00	% Sand: 1.00	MBT: 53.0	Ph: 10.5		
Pm: 0.00	Pf/Mf: 9.00 / 2.00	Carb: 1080	Cl: 350	Ca: 24.4	Bent: 30.50
Solids %HG/LG: 0.00 / 8.00	%DS/Bent: 6.0 / 1.0				

4	1M3 BASE OIL	65	40KG BENTONIT	10	22KG BICARB	5	22KG CAUSTIC	2	18KG DEFOAMER
3	22KG DRISPAC	2	22KG DRISPAC	3	22KG LIGNITE	31	1N/APALLETS	40	1KSXSAWDUST

Drlg Gas:	Max Gas: 1	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: 396.4m BHA Description: BIT/NAVIDRIL/FLT-SUB/SHT-MONEL/FLEX-MONEL/HG-OFFSUB/X-OVER-NM/FLEX-MONEL/FLEX -MONEL/15JTSE2DPO/12-5" HWDP/JARS/25-5"HWDP

Hrs On Jars: 102.3 Hours Since Last Inspection: 102.3

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: 24.0
7.25	0000-0715 DIR DRILL IN 215.9MM HOLE FROM 2856-2894M. 12-13DAN, 80RPM, 1.5M3/MIN,ROP= 3M/HR SLIDING,ROP =6-10 M/HR ROTATING	
0.50	0715-0745 SURVEY TIME.	
0.25	0745-0800 RIG SERVICE. FCN ANNULAR. O/C - 16 SECS	
10.25	0800-1815 DIR DRILL IN 215.9 MM HOLE FROM 2894-2950 ADJUSTING PARAMETERS TO OPTIMIZE PENETRATION RATE AND CONTROL ANGLE	
	- AND DEVIATION	
0.25	1815-1830 RIG SERVICE. FCN TPR'S: O/C - 6 SECS	
1.50	1830-2000 SURVEY TIME	
3.25	2000-2315 DIR DRILL IN 215.9MM HOLE FROM 2950-2969M.	
0.25	2315-2330 RIG SERVICE. FCN BPR'S: O/C - 6 SECS	
0.50	2330-2400 SURVEY TIME	
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	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, LIUTKUS, LICKOCK - SAFETY DAYS @ 267

NOPERATIONS @ 0600: DIR DRILL AHEAD @ 2969M

OBJECTIVES FOR NEXT 24 HRS: DRILL TO TD, WIPER TRIP AND RAISE MW TO 1140 KG./M3 TO PREPARE TO RUN LOGS.

LAST SURVEY: 2974M (35.9DEG, 119.1 AZM)

Daily Mud Cost: $ 5,630	Daily Tangible Cost:	Daily Well Cost: $ 83,483	Accidents: NONE
Cum Mud Cost: $ 426,392	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,663,856	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 316.0	Bulk Weight: 0.0	Neat Cement: 0.0	Blended: 40.0
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No:	AFE No: RWWNC-R8029-400	Date: 26 Mar 99	Page: 1 Of 4		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2856.0 m	TVD: 2800.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 60	DFS: 51	Spud Date: 02/03/99	Daily Footage: 112.0	Daily Rot Hrs: 17.8	Total Rot Hrs: 515.3
Torq: 0	Drag: 5.0	Rot Wgt: 96.0	P/U Wgt: 101.0	Slack Off Wgt: 90.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 34			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N	
Cum Rot Hrs On Casing: 75.5	Cum Rot Hrs On Casing Since Last Caliper: 75.5	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 DISPERSED	Sample From: FLOW	Wt: 1116	FV: 51	PV: 19
YP: 8.0	Gel: 3 / 8				
WL API: 1.0 HTHP: 13.1	FC (mm) API: 1.5 HTHP: 1.0	Solids: 7.00	% Oil: 0.00	%Water: 0.00	% Sand: 0.00
MBT: 49.0	Ph: 10.40				
Pm: 0.000	Pf/Mf: 5.00 / 1.00	Carb: 600	Cl: 350	Ca: 60	Bent: 29.6
Solids %HG/LG: 0.00 / 8.00	%DS/Bent: 7.0 / 1.0				

4 22KG CAUSTIC 4 22KG LIGNITE 2 22KG DRISPAC SL 2 22KG DRISPAC REG

Drlg Gas: 1 | Max Gas: 5 | Conn Gas: 1 | Trip Gas: 0 | 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: 396.48 m BHA Description: BIT/NAVIDRIL/FLT-SUB/SHT-MONEL/FLEX-MONEL/HG-OFFSUB/X-OVER-NM/FLEX-MONEL/FLEX -MONEL/15JTSE2DPO/12-5" HWDP/JARS/25-5"HWDP

Hrs On Jars: 81.5 | Hours Since Last Inspection: 81.5

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: 23.8
7.00	0000-0700 DIR DRILL AHEAD IN 215.9MM HOLE FROM 2744-2778M, SLIDING AS REQ'D TO CORRECT.12-13DAN, 80RPM,1.5M3/MIIN.	
	- ROP SLIDING = 3M/HR, ROP ROTATING = 5-7M/HR	
0.75	0700-0745 SURVEY TIME.	
0.25	0745-0800 RIG SERVICE. FCN BPR: O/C - 5 SECS	
10.00	0800-1800 DIR DRILL IN 215.9MM HOLE, ROTATING WITH CORRECTIONS FROM 2778-2835M	
0.25	1800-1815 RIG SERVICE. FCN ANNUALR: O/C - 16 SECS	
0.25	1815-1830 BOP, H2S AND MAN DOWN DRILL/SAFETY MEETING W/ ALL PERSONEL ON SITE. DISCUSS ERPS	
1.50	1830-2000 SURVEY TIME. 2810.2M (36.6DEG, 121.8 AZM)	
2.75	2000-2245 DIR DRILL IN 215.9MM HOLE FROM 2835-2856M, CHANGING PARAMETERS TO OPTIMIZE PENETRATION RATE AND HOLD ANGLE AND	
	- DIRECTION	
0.50	2245-2315 BOP, H2S, MAN DOWN DRILL/SAFETY MEETING W/ NIGHT CREW AND ALL PERSONNEL ON SITE. DISCUSS ERPS	
0.50	2315-2345 SURVEY TIME. 2389.2 (35.3 DEG, 119.1 AZM)	
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	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, LIUTKUS, LICKOCK - SAFETY DAYS @ 266
NOPERATIONS @ 0600: DRILL AHEAD @ 2885M. 12-13DAN,80RPM,1.5M3/MIM. ROP=6 M/HR
OBJECTIVES FOR NEXT 24 HRS: DIR DRILL AHEAD IN 215.9MM HOLE TO TD, SLIDING TO CORRECT AS REQUIRED

Daily Mud Cost: $ 1,034	Daily Tangible Cost:	Daily Well Cost: $ 46,547	Incidents: NONE
Cum Mud Cost: $ 420,762	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,580,373	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 316.0	Bulk Weight: 0.0
Neat Cement: 0.0	Blended: 40.0		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/LIUTKUS
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 25-MAR-99	Page: 1 Of 1

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2744.0 m	TVD: 2711.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 59	DFS: 50	Spud Date: 02/03/99	Daily Footage: 26.0	Daily Rot Hrs: 6.0	Total Rot Hrs: 497.5	
Torq: 0	Drag: 5.0	Rot Wgt: 96.0	P/U Wgt: 101.0	Slack Off Wgt: 90.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 34
Last Casing Size: 244.5 mm	Set At: 2500.0m MD 2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N			
Cum Rot Hrs On Casing: 55.8	Cum Rot Hrs On Casing Since Last Caliper: 55.8	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 DISPERSED	Sample From: FLOW	Wt: 1130	FV: 51	PV: 20	YP: 8.0	Gel: 3 / 6
WL API: 1.0 HTHP: 12.2	FC (mm) API: 1.5 HTHP: 1.0	Solids: 8.00	% Oil: 0.00	%Water: 0.00	% Sand: 1.00	MBT: 53.0	Ph: 10.40
Pm: 0.000	Pf/Mf: 4.00 / 1.00	Carb: 540	Cl: 350	Ca: 80	Bent: 32.0	Solids %HG/LG: 0.00 / 7.00	%DS/Bent: 6.0 / 1.0
6 22KG CAUSTIC 2 22KG LIGNITE 2 22KG DRISPAC REG 221 25KG CA CARBONATE							

Drlg Gas:	Max Gas:	Conn Gas:	Trip Gas:	Trip Cl:	Remarks:
0	1	0	5		

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: 396.48 m BHA Description: BIT/NAVIDRIL/FLT-SUB/SHT-MONEL/FLEX-MONEL/HG-OFFSUB/X-OVER-NM/FLEX-MONEL/FLEX -MONEL/15JTSE2DPO/12-5" HWDP/JARS/25-5"HWDP

Hrs On Jars: 61.8 Hours Since Last Inspection: 61.8

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
2.75	0000-0245 DIR DRILL AHEAD W/ BIT #16 FROM 2718-2727M	
0.25	0245-0300 SURVEY @ 2713.5M(36.7DEG, 122.5AZM)	
4.75	0300-0745 CIRC BTTMS AND WEIGHT UP SYSTEM TO 1130 PRIOR TO TRIP	
0.25	0745-0800 RIG SERVICE. FCN ANNULAR: O/C - 16 SECS	
4.75	0800-1245 PULL INTO CSG, PUMP PILL AND POOH, FLOW CHECKING AS REQUIRED. MEAS:13.14, CALC:12.90, DIFF=0.24	
1.00	1245-1345 SERVICE MWD TOOL AND P/U BIT #17 HP53A (RTC 537)	
0.25	1345-1400 RIG SERVICE. FCN BR'S: O/C - 6 SECS	
5.00	1400-1900 RIH W/ BIT #17 AND MWD, FLOW CHECKING AS REQUIRED. TEST MWD EVERY 400M FROM SURFACE. OK!	
1.00	1900-2000 CIRC BTTMS PRIOR TO DRILLING AHEAD. TRIP GAS AT 4.64%	
3.25	2000-2315 DIR DRILL AHEAD IN 215.9MM HOLE FROM 2727-2744M, SLIDING TO CORRECT FOR ANGLE AND DIRECTION AS REQUIRED	
0.50	2315-2345 SURVEY @ 2723.2M(35.6DEG,120.6AZM), 2732.9(35.7DEG, 121.3AZM), 2742.6M(36.2DEG,122.7AZM)	
0.25	2345-2400 RIG SERVICE. FCN TPR: O/C - 6 SECS	
	-	
	- 176 M3 OF INVERT MUD LEFT ON LOCATION	
	-	
	-	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, LIUTKUS, LICKOCK - SAFETY DAYS @ 264

OPERATIONS @ 0600: DRILL AHEAD @ 2773M. 12-13DAN,80RPM,1.5M3/MIN. ROP=6M/HR

OBJECTIVES FOR NEXT 24 HRS: DIR DRILL AHEAD IN 215.9MM HOLE TO TD, SLIDING TO CORRECT AS REQUIRED

Daily Mud Cost: $ 1,053	Daily Tangible Cost:	Daily Well Cost: $ 54,465	Incidents: NONE	
Cum Mud Cost: $ 419,728	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,533,826	Total Appr: $ 11,306,498	
Drill Water:	Potable Water:	Fuel: 316.0	Bulk Weight: 0.0	Neat Cement: 0.0 Blended: 40.0
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/LIUTKUS	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 24-MAR-99	Page: 1 Of 1	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2718.0 m	TVD: 2696.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 58	DFS: 49	Spud Date: 02/03/99	Daily Footage: 91.0	Daily Rot Hrs: 20.5	Total Rot Hrs: 491.5	
Torq: 0	Drag: 6.0	Rot Wgt: 95.0	P/U Wgt: 101.0	Slack Off Wgt: 90.0	Wind:	Seas: 0.0 / 0.0
Bar: 0	POB: 34					
Last Casing Size: 244.5 mm	Set At: 2500.0m MD 2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N			
Cum Rot Hrs On Casing: 49.8	Cum Rot Hrs On Casing Since Last Caliper: 49.8	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 DISPERSED	Sample From: FLOW	Wt: 1110	FV: 44	PV: 16	YP: 5.5
Gel: 2 / 4						
WL API: 1.0 HTHP: 14.8	FC (mm) API: 1.5 HTHP: 1.0	Solids: 7.00	% Oil: 0.00	%Water: 0.00	% Sand: 1.00	MBT: 49.0
Ph: 10.10						
Pm: 0.000	Pf/Mf: 3.00 / 1.00	Carb: 360	Cl: 350	Ca: 60	Bent: 38.0	Solids %HG/LG: 0.00 / 7.00
%DS/Bent: 5.0 / 2.0						

9 22KG CAUSTIC 4 22KG LIGNITE 6 22KG DRISPAC SL 2 22KG DRISPAC REG 2 25KG XCD

150 25KG CA CARBONATE 1 1OTH TRANSPORTATION

Drlg Gas: 1	Max Gas: 4	Conn Gas: 7	Trip Gas: 0	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: 396.48 m BHA Description: BIT/NAVIDRIL/FLT-SUB/SHT-MONEL/FLEX-MONEL/HG-OFFSUB/X-OVER-NM/FLEX-MONEL/FLEX -MONEL/15JTSE2DPO/12-5" HWDP/JARS/25-5"HWDP

Hrs On Jars: 55.8 Hours Since Last Inspection: 55.8

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
2665.2	36.00	122.40	S57.60E	2646.0	73.41 N	177.85 E	111.93	6.71
2674.8	36.80	121.10	S58.90E	2653.7	70.41 N	182.7 E	117.63	3.47
2684.5	37.10	120.60	S59.40E	2661.5	67.42 N	187.7 E	123.45	1.31
2694.2	37.40	121.80	S58.20E	2669.2	64.38 N	192.73 E	129.32	2.43

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
7.25	0000-0715 DIR DRILL AHEAD IN 215.9MM HOLE FROM 2627-2648M. SLIDING 8M& ROTATE1M/JT TO BUILD ANGLE.15DAN,60-80RPM&1.5M3/MIN
0.25	0715-0730 RIG SERVICE. FCN BPR'S: O/C - 6 SECS
0.50	0730-0800 SURVEY TIME. 2617M (25.3DEG, 129AZM), 2626M (27.8DEG, 128AZM)
7.50	0800-1530 DIR DRILL AHEAD FROM 2648-2682, SLIDING TO BUILD ANGLE TO 36 DEG AT 3665M END OF BUILD SECTION. HOLD ANGLE
	- SLIDING AS REQUIRED. WORK THE PIPE EVERY STAND.
0.25	1530-1545 RIG SERVICE. FCN ANNULAR: O/C - 16 SECS
2.75	1545-1830 DIR DRILL AHEAD IN 215.9MM HOLE FROM 2682-2705, SLIDING AS REQUIRED.
1.50	1830-2000 SURVEY TIME 2635(29.8DEG, 126 AZM), 2646(31.9DEG, 123AZM), 2655(33.9DEG, 123AZM), 2665(36DEG, 122AZM),
	- 2674(36.8DEG, 121AZM), 2684(37.1DEG, 120AZM)
3.50	2000-2330 DRILL AHEAD IN 215.9MM HOLE FROM 2705-2718M
0.25	2330-2345 RIG SERVICE. FCN TPR: O/C - 6 SECS
0.25	2345-2400 SURVEY @ 2694.2M (37.4DEG, 121.8AZM)
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	-
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, LIUTKUS, LEACOCK - SAFETY DAYS @ 263

OPERATIONS @ 0600: DEPTH 2727M. TRIPPING FOR A BIT.

OBJECTIVES FOR NEXT 24 HRS: TRIP FOR NEW BIT AND DIR DRILL AHEAD IN 215.9MM HOLE, SLIDING TO CORRECT ANGLE AND DIRECTION AS REQD

HAUL OUT 56 M3 OF INVERT MUD ON THE FROST AND HAUL IN THE REMAINING TEST EQUIPMENT.

Daily Mud Cost: $ 11,625	Daily Tangible Cost:	Daily Well Cost: $ 67,650	Incidents: NONE
Cum Mud Cost: $ 418,675	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,479,361	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 326.0	Bulk Weight: 0.0	Neat Cement: 0.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 23-MAR-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2565.0 m	TVD: 2557.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 57	DFS: 48	Spud Date: 02/03/99	Daily Footage: 50.0	Daily Rot Hrs: 17.8	Total Rot Hrs: 471.0
Torq: 0	Drag: 6.0	Rot Wgt: 95.0	P/U Wgt: 101.0	Slack Off Wgt: 90.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 34			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD 2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N		
Cum Rot Hrs On Casing: 29.3	Cum Rot Hrs On Casing Since Last Caliper: 29.3	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 DISPERSED	Sample From: FLOW	Wt: 1105	FV: 45	PV: 19
YP: 7.5	Gel: 3 / 5				
WL API: 0.5 HTHP: 12.0	FC(mm) API: 1.0 HTHP: 1.0	Solids: 6.00	% Oil: 0.00	%Water: 0.00	% Sand: 0.00
MBT: 53.0	Ph: 10.40				
Pm: 0.000	Pf/Mf: 4.00 / 1.00	Carb:	Cl: 300	Ca: 40	Bent: 38.0
Solids %HG/LG: 0.00 / 7.00	%DS/Bent: 5.0 / 2.0				

6 22KG CAUSTIC 1 22KG DESCO 30 22KG LIGNITE 7 22KG DRISPAC SL 3 22KG DRISPAC REG

112 25KG CA CARBONATE

Drlg Gas: 3	Max Gas: 11	Conn Gas: 12	Trip Gas: 12	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: 396.48 m BHA Description: BIT/NAVIDRIL/FLT-SUB/SHT-MONEL/FLEX-MONEL/HG-OFFSUB/X-OVER-NM/FLEX-MONEL/FLEX -MONEL/15JTSE2DPO/12-5" HWDP/JARS/25-5"HWDP

Hrs On Jars: 35.3 Hours Since Last Inspection: 35.3

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
2579.0	16.10	122.00	S58.00E	2569.1	95.73 N	147.33 E	74.22	4.46
2588.0	18.20	126.00	S54.00E	2577.7	94.24 N	149.53 E	76.86	8.02
2598.0	20.30	129.00	S51.00E	2587.1	92.23 N	152.14 E	80.15	6.96
2608.0	22.60	128.00	S52.00E	2596.4	89.96 N	155.01 E	83.78	6.99

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
3.75	0000-0345 CONT'D TO RIH W/ BIT #16 AND SLICK MOTOR ASSBLY (1.50 DEG BENT HOUSING). CHECK MWD EVERY 400M ON THE WAY IN
0.75	0345-0430 SLIP AND CUT 18M OF LINE
0.25	0430-0445 RIG SERVICE: CLOSE TPR'S: O/C - 7 SECS
9.75	0445-1430 DIR DRILL AHEAD IN 215.9MM HOLE W/ SLICK MOTOR ASSBLY FROM 2577-2609M. 14-16DAN, 70 RPM AND 1.5M3/MIN
1.00	1430-1530 SURVEYS: 2560(13.7DEG, 116.2AZM), 2579 (16.1DEG, 122), 2588(18.2, 126), 2608 (20.3DEG, 129 AZM)
0.25	1530-1545 RIG SERVICE. FCN ANNULAR: O/C - 16 SECS
7.50	1545-2315 DIR DRILL AHEAD IN 215.9 MM HOLE FROM 2609-2627. ROP=2.9M/HR
0.25	2315-2330 RIG SERVICE. FCN BPR: O/C - 6 SECS
0.50	2330-2400 SURVEY TIME. 2608M(22.6DEG, 128AZM)
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	-
	-
	-

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 262

OPERATIONS @ 0600: DRILLING AHEAD (SLIDING) @ 2646M. ROP = 2.5 M/HR WHILE SLIDING.

OBJECTIVES FOR NEXT 24 HRS: DIR DRILL AHEAD IN 215.9MM HOLE W/ SLICK MOTOR ASSEMBLY, SLIDING TO BUILD ANGLE AS REQUIRED.

HAUL OUT 55 M3 OF INVERT MUD ON THE FROST AND HAUL IN THE REMAINING TEST EQUIPMENT.

Daily Mud Cost: $ 2,465	Daily Tangible Cost:	Daily Well Cost: $ 34,637	Incidents: NONE
Cum Mud Cost: $ 407,050	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,418,307	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 326.0	Bulk Weight: 0.0	Neat Cement: 0.0 Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/LIUTKUS	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 22-MAR-99	Page: 1 Of 1	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2565.0 m	TVD: 2557.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 56	DFS: 47	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 4.5	Total Rot Hrs: 453.2
Torque: 0	Drag: 10.0	Rot Weight: 92.0	P/U Weight: 102.0	Slack Off Weight: 86.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 34			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N	
Cum Rot Hrs On Casing: 13.0	Cum Rot Hrs On Casing Since Last Caliper: 13.0	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 DISPERSED	Sample From: FLOW	Wt: 1120	FV: 52	PV: 22
YP: 7.0	Gel: 3 / 5				
WL API: 0.0	HTHP: 11.9	FC (mm) API: 1.5	HTHP: 1.5	Solids: 8.00	% Oil: 0.00
%Water: 0.00	% Sand: 0.00	MBT: 53.0	Ph: 9.7		
Pm: 0.00	Pf/Mf: 15.00/55.0	Carb:	Cl: 200	Ca: 12.2	Bent: 34.89
Solids %HG/LG: 0.00 / 8.00	%DS/Bent: 6.0 / 1.0				

87 40KG BENTONIT 716 25KG CA CARBO 15 22KG CAUSTIC 2 18KG DEFOAMER 12 22KG DESCO

3 22KG DRISPAC 7 22KG DRISPAC 36 22KG LIGNITE 2 25KG XCD

Drlg Gas: 1	Max Gas: 3	Conn Gas: 3	Trip Gas: 15	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
15 RR-1	537	215.9	SEC	731699	GS86F	15.9/15.9/15.9/ 0.0 /0.0	596	2503.0 m	2575.0 m	2565.2 m
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
72.0	16.5	15.0/16.0	80 / 85	2	2	BT	H7	E	E	WT	TQ	$ 1246.95
		/	/									

Total Length of BHA: 387.5 m BHA Description: BIT/NAVIDRIL/FLT-SUB/SHT-MONEL/FLEX-MONEL/HG-OFFSUB/X-OVER-NM/FLEX-MONEL/FLEX -MONEL/X-OVER/12-5" HWDP/JARS/25-5"HWDP

Hrs On Jars: 17.5 Hours Since Last Inspection: 17.5

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
15 RR-1	152.0/152.0/ 0.0	/ /	120/ /	10500	1.53	42.98	60.50	112.35	29.20	0.5	268.40
	/ /	/ /	/ /								

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: 23.8
4.00	0000-0400 CONT'D TO DIR DRILL AHEAD IN 215.9MM HOLE, SLIDING AS REQ'D TO BUILD ANGLE	
0.25	0400-0415 SURVEY TIME	
0.75	0415-0500 CIRC BTTMS UP TO INSPECT GAS AND TRIP MARGIN PRIOR TO TRIPPING	
0.25	0500-0515 RIG SERVICE, FCN TPR: O/C - 5 SECS	
2.50	0515-0745 POOH FOR BIT TRIP, CAN'T GET ANY WEIGHT TO BIT. STAB ON THE MOTOR HANGING UP DRILL STRING	
0.25	0745-0800 HELD BOP DRILL W/ CREW. DISCUSSED H2S EVACUATION PROCEDURE	
2.00	0800-1000 POOH W/ BIT #15, FLOW CHECKING AS REQ'D. CALC=12.24, ACT=12.82, DIFF=0.58	
1.00	1000-1100 P/U BIT #16 F3 (STC, 537), 15 E2 DRILL PIPE AND L/D STAB SLEEVE. INCREASE BENT HOUSING TO 1.5	
4.75	1100-1545 RIH W/ BIT #16 AND SLICK MOTOR ASSEMBLY, WASH LAST 575M TO BOTTOM. SURFACE TEST MWD AT 4 DEPTHS	
1.50	1545-1715 CIRC OUT TRIP GAS (14.7%)	
0.25	1715-1730 DIR DRILL AHEAD FROM 2575-2577M. MWD FAILURE	
0.75 T	1730-1815 MWD FAILURE. TROUBLE SHOOT TOOL. PUMP 1M3 WATER SWEEP IN AN ATTEMPT TO CLEAR THE TOOL	
1.50 T	1815-1945 PULL 5 STAND WIPER TRIP IN ORDER TO CLEAR TOOL	
3.00 T	1945-2245 POOH TO SWITCH OUT MWD	
0.50 T	2245-2315 CHANGE OUT MWD AND INSPECT FOR DAMAGE	
0.25 T	2330-2345 RIH THE HOLE W/ BIT #16 AND NEW MWD, SURFACE CHECKING ON THE WAY IN	
0.25 T	2345-2400 RIG SERVICE. FCN BR'S: O/C - 6 SECS	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 261

OPERATIONS @ 0600: DIR DRILL AHEAD @ 2583M (14 DAN & 1.5M3/MIN)

OBJECTIVES FOR NEXT 24 HRS: DIR DRILL AHEAD SLIDING TO BUILD ANGLE

Daily Mud Cost: $ 7,715	Daily Tangible Cost:	Daily Well Cost: $ 60,006	Accidents: NONE
Cum Mud Cost: $ 404,585	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,363,670	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 296.0	Bulk Weight: 0.0	Neat Cement: 0.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No:	AFE No:	Date: 21 Mar 99	Page: 3 Of 3		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2565.0 m	TVD: 2557.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 55	DFS: 46	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 12.5	Total Rot Hrs: 448.7

Torque: 0	Drag: 10.0	Rot Weight: 92.0	P/U Weight: 102.0	Slack Off Weight: 86.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 30

Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N	
Cum Rot Hrs On Casing: 12.5	Cum Rot Hrs On Casing Since Last Caliper: 12.5	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: FRESHWATER POLYMER	Sample From: FLOW	Wt: 1120	FV: 75	PV: 34	YP: 15.0	Gel: 5 / 12				
WL API: 0.0	HTHP: 11.9	FC (mm) API: 1.5	HTHP: 1.5	Solids: 8.00	% Oil: 0.00	%Water: 0.00	% Sand: 0.00	MBT: 56.0	Ph: 10.1		
Pm: 0.00	Pf/Mf: 25.00 / 6.00	Carb:	Cl: 200	Ca: 6.1	Bent: 44.59	Solids %HG/LG: 0.00 / 6.00	%DS/Bent: 4.0 / 2.0				

175 40KG BENTONIT 495 25KG CA CARBO 3 25KG XCD

Drlg Gas: 6	Max Gas: 11	Conn Gas: 14	Trip Gas: 10	Trip Cl:	Remarks: RAISE MW TO 1120KG/M3

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
15 RR-1	537	215.9	SEC	731699	GS86F	15.9/15.9/15.9/0.0/0.0	596	2503.0 m	2575.0 m	2565.2 m
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
62.0	12.5	15.0/16.0	80 / 85	2	2	BT	H7	E	E	WT	TQ	$ 1273.36
		/	/									

Total Length of BHA: 387.5 m BHA Description: BIT/NAVIDRIL/FLT-SUB/SHT-MONEL/FLEX-MONEL/HG-OFFSUB/X-OVER-NM/FLEX-MONEL/FLEX -MONEL/X-OVER/12-5" HWDP/JARS/25-5"HWDP

Hrs On Jars: 13.5 Hours Since Last Inspection: 13.5

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
15 RR-1	152.0 / 152.0 /	/ /	120 / /	10500	1.53	42.98	60.50	112.35	29.20	0.5	268.40
	/ /	/ /	/ /								

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	0000-0300 POOH, FLOW CHECKING AS REQ'D TO P/U DIR TOOLS AND BIT #15RR	
0.25	0300-0315 RIG SERVICE. FCN BR'S: O/C - 6 SECS	
2.50	0315-0545 P/U AND MAKE UP DIR. BHA	
0.25	0545-0600 RIH W/ DIR TOOLS (1.3 DEG BENT HOUSING) AND BIT #15RR	
0.25	0600-0615 SHALLOW TEST MWD. OK!	
3.50	0615-0945 CONT'D RIH TO 2503M	
9.25	0945-1900 DRILL 215.9MM HOLE FROM 2503-2551M SLIDING AS REQ'D TO BUILD DIRECTION AND ANGLE	
0.25	1900-1915 RIG SERVICE. FCN ANNULAR: O/C - 16 SECS	
0.25	1915-1930 H2S SAFETY MEETING STANDARD SAFETY FOR RIG CREW. DISCUSS ALL ERP.	
0.50	1930-2000 SURVEY TIME FOR ABOVE DRILLING	
3.25	2000-2315 DRILL 215.9MM HOLE FROM 2551-2565M SLIDING AS REQ'D TO BUILD ANGLE AND DIRECTION	
0.25	2315-2330 RIG SERVICE. FCN LPR'S: O/C - 6 SECS	
0.50	2330-2400 SURVEY TIME FOR ABOVE DRILLING	
	-	
	- HELD H2S SAFETY MEETING WITH ALL ADDITIONAL PERSONNEL ON SITE. DISCUSS ALL ERP AND AIRPACK INSTRUCTIONS	
	-	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCMALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 260

OPERATIONS @ 0600: POOH W/ BIT #15

OBJECTIVES FOR NEXT 24 HRS: P/U NEW BIT AND RIH TO DIR DRILL AHEAD

Daily Mud Cost: $ 4,681	Daily Tangible Cost:	Daily Well Cost: $ 121,880	Accidents: NONE
Cum Mud Cost: $ 396,870	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,303,664	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 322.0	Bulk Weight: 0.0	Neat Cement: 0.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCMALLEY/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
	API No:	AFE No:	Date: 20 Mar 99	Page: 2 Of 3	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2500.0 m	TVD: 2491.4 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 54	DFS: 45	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 0.3	Total Rot Hrs: 436.2
Torque: 0	Drag: 2.0	Rot Weight: 92.0	P/U Weight: 94.0	Slack Off Weight: 90.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 1427 EMW	Leakoff? N	
Cum Rot Hrs On Casing: 0.0	Cum Rot Hrs On Casing Since Last Caliper: 0.0	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:	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: /				

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
15	537	215.9	SEC	731699	GS86F	15.9/15.9/15.9/ /	596	2500.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
3.0	0.3	1.0/2.0	40 / 60									$ 15260.7
		/	/									

Total Length of BHA: 357.5 m BHA Description: BIT/BIT-SUB/6.75"-DC/X-OVER/12-5" HWDP/JARS/HWDP

Hrs On Jars: 0.0 Hours Since Last Inspection: 0.0

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
15	152.0/152.0/	235.0/235.0/254.0	80/80/	9800	2.04	57.30	80.65	149.81	65.40	1.2	333.90
	/ /	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: 24.0
4.00	0000-0400 FINISH PRESSURE TESTING. RIH WHILE PRESSURE TESTING THE MANIFOLD SHACK	
3.00	0400-0700 RIH W/ BIT # 15 GS86F (SEC 537). STRAPPING ON THE WAY IN. BOARD=2092.9, STRAP=2092.53 DIFF=0.33	
0.25	0700-0715 RIG SERVICE. FCN ANNULAR: O/C - 17 SECS	
2.00	0715-0915 DISPLACE CASING TO WATER USING A 5M3 SPACER	
1.75	0915-1100 DRILL OUT COLLAR, CEMENT AND SHOE. APPROX 2M OF CEMENT ON TOP OF COLLAR	
0.25	1100-1115 DRILL 3M OF NEW FORMATION TO PREPARE TO CONDUCT FORMATION INTEGRITY TEST. BACKGROUND GAS UP TO 1200-1800 UNITS	
8.25	1115-1930 CIRC AND MUD UP. INCREASE YP IN ORDER TO ADD WEIGHT MATERIAL. BACKGROUND GAS @ 1200UNITS	
0.25	1930-1945 RIG SERVICE. FCN TPR: O/C - 5 SECS	
0.25	1945-2000 BOP DRILL W/ DAY CREW	
2.00	2000-2200 CIRC AND CONDITION MUD AND RAISE MW TO 1060KG/M3	
0.25	2200-2215 FLOW CHECK. WELL DEAD. PREPARE TO COMPLETE FIT	
0.75	2215-2300 FORMATION INTEGRITY TEST TO 14 KPA/M. EMD=1427KG/M3	
0.25	2300-2315 RIG SERVICE. FCN BPR: O/C - 5 SECS	
0.75	2315-2400 POOH FLOW CHECKING AS REQ'D TO P/U DIR TOOLS	
	-	
	-	
	-	
	-	

Remarks:
PPBE DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 259

OPERATIONS @ 0600: RIH W/ DIR TOOLS AND BIT #15 (GS86F: SEC 537). NO MAJOR DEFFICIENCIES ON THE SUPERVISORS CHECKLIST

OBJECTIVES FOR NEXT 24 HRS: P/U DIR TOOLS AND DRILL AHEAD IN 215.9MM HOLE

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 80,908	Accidents: NONE
Cum Mud Cost: $ 392,189	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,181,784	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 322.0	Bulk Weight: 0.0	Neat Cement: 0.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No:	AFE No: RWWNC-R8029-400	Date: 19 Mar 99	Page: 1 Of 3		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2500.0 m	TVD: 2491.4 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 53	DFS: 44	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs: 436.0
Torq:	Drag:	Rot Wgt:	P/U Wgt:	Slack Off Wgt:	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 0 EMW	Leakoff?	
Cum Rot Hrs On Casing: 0.0	Cum Rot Hrs On Casing Since Last Caliper: 0.0	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:	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: /				

98 1N/A TRANSPORTATION

Drlg Gas: 0	Max Gas: 0	Conn Gas: 0	Trip Gas: 0	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: 24.3
4.50	0000-0430 CUT AND PREP CASING. INSTALL TUBING HANGER, DSA. ENERGIZE TO 21MPA	
2.00	0430-0630 NIPPLE UP BOP'S	
0.25	0630-0645 RIG SERVICE	
5.25	0645-1200 PRESSURE TESTER LOST PTO DRIVE SHAFT ON ROAD TO LOCATION. WAIT ON PRESSURE TESTING TRUCK	
	- RIG UP FLOOR, STRAP AND CALIPER HWDP, CLEAN TANKS	
12.00	1200-2345 PRESSURE TEST. CASING, WELLHEAD, VALVES AND FLANGES 1500/26000 KPA FOR 15 MIN EACH. PRESSURE TEST KELLY COCKS,	
	- STABBING VALVES, INSIDE BOP, KILL LINE VALVES, CHOKE LINE VALVES, HCR, CHECK VALVES, BLOWDOWN MANIFOLD, ALL	
	- PIPE RAMS (TPR, BPR, BR), ANNULAR (1500-LOW, 17500-HIGH), ALL MUDLINES BACK TO THE PUMPS USING DIESEL.	
	- ACCUMULATOR FUNCTION TEST	
	- ACCUM:20500KPA, MANIFOLD;10500KPA, ANNULAR: 9400KPA	
	- CLOSE ANNULAR: 14000KPA REMAINING 15 SECS	
	- CLOSE TPR: 12500 KPA 6 SECS	
	- CLOSE BPR 12250 KPA 5 SECS	
	- CLOSE BR: 12000 KPA 5 SECS	
	- OPEN HCR: 11900 KPA 1 SEC	
	- RECHARGE TIME: 4 MIN 37 SECS. ACCUMULATOR PRECHARGE: 9500KPA	
0.25	2345-2400 RIG SERVICE	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 258
OPERATIONS @ 0600: RIH W/ BIT#15 GS86F DRILLOUT AND PERFORM FORMATION INTEGRITY TEST
OBJECTIVES FOR NEXT 24 HRS: DRILLOUT CASING, PERFORM FORM. INT TEST TO 14 MPA, SWAP OVER TO GEL-CHEM AND POOH FOR DIR TOOLS

Daily Mud Cost: $ 9,261	Daily Tangible Cost: $ 319,012	Daily Well Cost: $ 378,861	Incidents: NONE
Cum Mud Cost: $ 392,189	Cum Tangible Cost: $ 333,514	Cum Well Cost: $ 5,100,876	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 322.0	Bulk Weight: 0.0	Neat Cement: 0.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWNC-R8029-400	Date: 18-MAR-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2500.0 m	TVD: 2491.4 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 52	DFS: 43	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs: 436.0	
Torq:	Drag:	Rot Wgt:	P/U Wgt:	Slack Off Wgt:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 30
Last Casing Size: 244.5 mm	Set At: 2500.0m MD	2491.4m TVD	Shoe Test: 0 EMW	Leakoff?		
Cum Rot Hrs On Casing: 0.0	Cum Rot Hrs On Casing Since Last Caliper: 0.0	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:	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: /

30 1N/A PALLETS 30 1N/A SHRINK WRAP

Drlg Gas: 0	Max Gas: 0	Conn Gas: 0	Trip Gas: 0	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: 24.0
9.00	0000-0900 RUN 244.5MM CASING. FILLING THE CASING ON THE WAY IN EVERY 20 JTS	
0.25	0900-0915 RIG SERVICE.	
2.50	0915-1145 DRILLING LINE BECOMING INFRAYED. RIG UP TO CIRCULATE WHILE SLIPPING AND CUTTING 68M.	
0.25	1145-1200 RIG SERVICE	
5.00	1200-1700 RUN LAST 150M OF CASING. CIRC CASING PRIOR TO CEMENTING TO CONDITION THE HOLE. RIG IN DOWELL TO CEMENT CASING.	
	- RIG OUT R&R LAYDOWN TRUCK AND FI TONGS	
0.25	1700-1715 SAFETY MEETING W/ DOWELL AND CREW	
3.50	1715-2045 CEMENT CASING W DOWELL. DISPLACE USING THE RIG PUMPS.	
	- CEMENT JOB	CASING JOB
	- PREFLUSH: 4M3 H2O & 6M3 CW100	SHOE: 0.52M
	- LEAD: 78 TONNES; 1:1:2+0.5%D65+0.1%B71	2 JTS, 244.5MM,69.94KG/M: 27.77M
	- +0.8%D160+0.2%D46	COLLAR: 0.39M
	- TAIL: 23TONNES; CLASS G+0.5%D65+0.7%D160	69 JTS,244.5MM 69.94KG/M:936.75M
	- +0.1%D136+0.2%D28+0.35%D66+0.2%D46	120JTS, 44.5MM, 64.73KG/M: 1535.74
	- DISPLACE W/ 95.7M3 INVERT.	TOTAL: 2501.17M
	- 6.5M3 OF GOOD RETURNS. CIP @ 20:33	CASING SET @ 2500M
2.25	2045-2300 LIFT BOPS TO SET SLIPS. SET SLIPS W/ 160DAN.	
1.00	2300-2400 CUT CASING AND PREPARE TO NIPPLE UP INT CSG SPOOL (PRESSURE TEST SEAL ASSBLY TO 3000PSI)	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 257

OPERATIONS @ 0600: NIPPL UP BOP

OBJECTIVES FOR NEXT 24 HRS: NIPPLE UP AND PRESSURE TEST ADM PREPARE TO DRILL OUT THE CASING

Daily Mud Cost: $ 810	Daily Tangible Cost:	Daily Well Cost: $ 204,936	Incidents: NONE
Cum Mud Cost: $ 382,928	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 4,722,015	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 339.0	Bulk Weight: 158.0	Neat Cement: 0.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 17-MAR-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2500.0 m	TVD: 2491.4 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 51	DFS: 42	Spud Date: 02/03/99	Daily Footage: 0.0	Daily Rot Hrs: 0.0	Total Rot Hrs: 436.0
Torq: 0	Drag: 2.0	Rot Wgt: 96.0	P/U Wgt: 98.0	Slack Off Wgt: 94.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 285.5	Cum Rot Hrs On Casing Since Last Caliper: 285.5	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1291	FV: 68	PV: 25
YP: 7.5	Gel: 8 / 9				
WL API: 0.0	HTHP: 9.2	FC (mm) API: 0.0	HTHP: 1.0	Solids: 19.00	% Oil: 70.00
%Water: 11.00	% Sand:	MBT: 0.0	Ph: 0.00		
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 900	Ca: 29	Bent:
Solids %HG/LG: 8.00 / 7.00	%DS/Bent: 0.0 / 0.0				
Drlg Gas: 0	Max Gas: 0	Conn Gas: 0	Trip Gas: 0	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
4 RR-2	116	311.0	HC	Y79YK	GT1	22.1/22.1/22.1/0.0/0.0	1151	2500.0 m	2500.0 m	2491.4 m
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
0.0	0.0	0.0/0.0	/	1	1	WT	A7	E	I		TD	0.00
		/	/									

Total Length of BHA: 192.60 m BHA Description: BIT/BIT-SUB/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 287.7 Hours Since Last Inspection: 0.0

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4 RR-2	152 / 152 / 152	235.0/235.0/254.0	80/80/	9400	2.04	29.66	32.28	53.86	21.30	0.2	320.20
	/ /	/ /	/ /								

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
2.50	0000-0230 CONT'D TO RIH TO BTTM. WASH TO BOTTOM (NO FILL ON BOTTOM)	
2.25	0230-0445 CIRC AND CONDITION HOLE PRIOR TO RUNNING CASING	
0.25	0445-0500 RIG SERVICE. CLOSE ANNULAR: O/C - 6 SECONDS	
4.25	0500-0915 POOH, FLOW CHECKING AS REQ'D TO RIG TO RUN CASING	
0.75	0915-1000 SLIP AND CUT 18 M OF LINE	
3.00	1000-1300 L/D HWDP AND 9" DRILL COLLARS TO BE INSPECTED	
0.25	1300-1315 RIG SERVICE. FCN BR'S AND TPR: O/C - 6 SECS	
0.25	1315-1330 SAFETY MEETING PRIOR TO RIGGING UP TO RUN CASING	
6.50	1330-2000 RIG IN FI AND R&R TO RUN 244.5MM CASING	
0.25	2000-2015 SAFETY MEETING W/ CREWS, FI, R&R AND SUPERVISORS PRIOR TO RUNNING CASING	
1.00	2015-2115 RUN 244.5MM CASING, USING THE FI FILLUP TOOL TO FILL THE CASING ON THE WAY IN	
1.75	2115-2300 BLOWN SEALS ON THE FI FILLUP TOOL. TEAR OUT TOOL AND RIG UP FILL UP HOSE.	
0.75	2300-2345 CHANGE TO 350 TON EQUIPMENT FOR RUNNING CASING	
0.25	2345-2400 RIG SERVICE. OPEN REMOTE CHOKE: 25 SECONDS	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 256

OPERATIONS @ 0600: RUNNING IN THE HOLE W/ 244.5MM CASING @ 1980M

OBJECTIVES FOR NEXT 24 HRS: FINNISH RUNNING AND CEMENTING 244.5MM CSG & PREPARE TO NIPPLE UP

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 48,036	Incidents: NONE
Cum Mud Cost: $ 382,118	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 4,517,079	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 339.0	Bulk Weight: 158.0
Neat Cement: 78.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 16-MAR-99	Page: 1 Of 1

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2500.0 m	TVD: 2491.4 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 50	DFS: 41	Spud Date: 02/03/99	Daily Footage: 0.0	Daily Rot Hrs: 0.0	Total Rot Hrs: 436.0
Torq: 0	Drag: 2.0	Rot Wgt: 96.0	P/U Wgt: 98.0	Slack Off Wgt: 94.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 285.5	Cum Rot Hrs On Casing Since Last Caliper: 285.5	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1291	FV: 68	PV: 25	YP: 7.5	Gel: 8 / 9	
WL API: 0.0 HTHP: 9.2	FC (mm) API: 0.0 HTHP: 1.0	Solids: 19.00	% Oil: 70.00	%Water: 11.00	% Sand:	MBT: 0.0	Ph: 0.00	
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 900	Ca: 29	Bent:	Solids %HG/LG: 8.00 / 7.00	%DS/Bent: 0.0 / 0.0	

Drlg Gas: 0	Max Gas: 0	Conn Gas: 0	Trip Gas: 0	Trip Cl:
Remarks:				

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
4 RR-2	116	311.0	HC	Y79YK	GT1	22.1/22.1/22.1/0.0/0.0	1151	2500.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
0.0	0.0	0.0/0.0	/									0.00
		/	/									

Total Length of BHA: 192.60 m BHA Description: BIT/BIT-SUB/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 287.7 Hours Since Last Inspection: 0.0

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4 RR-2	152 / 152 / 152	235.0/235.0/254.0	80/80/	9400	2.04	29.66	32.28	53.86	21.30	0.2	320.20
	/ /	/ /	/ /								

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
6.00	0000-0600 LOGGING RUN #2. UBI, GPIT, EMS.
9.00	0600-1500 LOGGING MISRUN. SHALE STUCK IN TOOL AND TOOLS HAVING PROBLEMS WITH BH TEMPERATURES. CHANGE OUT TOOLS AND
	- PREPARE FOR RUN #3 FROM 2500-2000M.
5.75	1500-2045 LOGGING RUN #3. UBI, GPIT,EMS.
0.25	2045-2100 RIG SERVICE. FCN BR'S: O/C - 6 SECS
3.00	2100-2400 RIH W/ BIT #4RR2 TO WIPER TRIP AND CONDITION THE HOLE TO PREPARE TO RUN CSG. STRAP DRILL PIPE IN THE HOLE
	- NO FILL ON BOTTOM. STRAP: BOARD =2500.0M, STRAP = 2500.12M. DIFF = 0.12M
	-
	- ICE BRIDGE MEASUREMENTS: NORTH SIDE = 64 IN
	- SOUTH SIDE AND ALL OTHER MEASUREMENTS: 67 IN
	-
	- 311.1MM HYCALOG PDC (DS120H, SER#:44392). PICKUP BY VERN SWAREN (TICKET # 91627)
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 255

OPERATIONS @ 0600: POOH TO PREPARE TO RUN CASING. NO FILL ON BTTM FOR WIPER TRIP. TRIP GAS 1140 UNITS

OBJECTIVES FOR NEXT 24 HRS: RIH FOR WIPER TRIP PRIOR TO RUNNING CASING, RUN AND CEMENT 244.5 MM CASING

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $102,332	Incidents: NONE
Cum Mud Cost: $382,118	Cum Tangible Cost: $14,502	Cum Well Cost: $4,469,043	Total Appr: $11,306,498

Drill Water:	Potable Water:	Fuel: 339.0	Bulk Weight: 158.0	Neat Cement: 78.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 15-MAR-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2500.0 m	TVD: 2491.4 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 49	DFS: 40	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 5.0	Total Rot Hrs: 436.0
Torque: 0	Drag: 8.0	Rot Weight: 100.0	P/U Weight: 108.0	Slack Off Weight: 94.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 285.5	Cum Rot Hrs On Casing Since Last Caliper: 285.5	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1270	FV: 57	PV: 20
YP: 7.5	Gel: 8 / 9				
WL API: 0.0	HTHP: 7.1	FC (mm) API: 0.0	HTHP: 1.0	Solids: 19.00	% Oil: 70.00
%Water: 11.00	% Sand:	MBT: 0.0	Ph: 0.0		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 900	Ca: 6.7	Bent:
Solids %HG/LG: 8.00 / 7.00	%DS/Bent: 0.0 / 0.0				

2 19LTR BARA-KLE 30 25KG LIME 5 23KSXOIL ABSO 82 1LTRTRANSPOR 1 208LTRVERSAWET

Drlg Gas: 180	Max Gas: 210	Conn Gas:	Trip Gas:	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
14	537	311.0	SMITH	LM5346	F3P	22.2/22.2/22.2/ / / / /	1161	2389.0 m	2500.0 m	2491.4 m
							0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
111.0	57.3	14.0/20.0	100 / 115	3	4	WT	A7	F	1MM		TD	$ 2008.83
		/	/									

Total Length of BHA: 221.7m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 287.7 Hours Since Last Inspection: 287.7

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
14	152.0/152.0/152.0	/ /	85/85/	16400	2.17	31.24	34.32	57.27	24.80	0.2	594.10
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2471.4	4.50	62.30	N62.30E	2463.3	98.9 N	133.15 E	165.59	0.82
2484.4	4.40	62.60	N62.60E	2476.3	99.37 N	134.04 E	166.60	0.24

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
0.50	0000-0030 DRILL 311MM HOLE WITH MOTOR FROM 2485M TO 2487M, ROTATING
0.25	0030-0045 SURVEY @ 2471M, DEV=4.5, AZM=62.3
3.75	0045-0430 DRILL 311MM HOLE WITH MOTOR TO 2500M, TD
0.25	0430-0445 SURVEY @ 2484M, DEV=4.4, AZM=62.6
0.75	0445-0530 CIRCULATE BOTTOMS UP PRIOR TO POOH
0.25	0530-0545 RIG SERVICE - FUNC BOTTOM PIPE RAMS C/O 6SEC
6.25	0545-1200 FLOW CHECK, PUMP PILL, POOH TO LOG (STRAP OUT). FLOW CHECK @ 20, 50 STANDS, HWDP AND OOH
	- HOLE FILL: CALC=13.67M3, MEAS=14.22M3, DIFF=0.55M3
	- DRILL STRING STRAP: BOARD=2500M, STRAP=2502M, LOG=2508M
1.50	1200-1330 LAYDOWN DIRECTIONAL TOOLS
0.25	1330-1345 RIG SERVICE - FUNC BLIND RAMS C/O 6 SEC
8.50	1345-2215 RIG TO LOG WITH SCHLUMBERGER, LOGGING RUN #1 SGT, AMS, AIT, GPIT, EMS, DSI. 1ST LOG ON BOTTOM @ 17:30
1.75	2215-2400 RUN LOG #2, UBI, GPIT, EMS
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, COLEMAN - SAFETY DAYS @ 254

OPERATIONS @ 0600: LOGGING RUN #2, UBI, GPIT, EMS

OBJECTIVES FOR NEXT 24 HRS: FINISH LOGGING, RIH FOR WIPER TRIP PRIOR TO RUNNING CASING, RUN 244MM CASING

Daily Mud Cost: $ 9,187	Daily Tangible Cost:	Daily Well Cost: $ 63,556	Accidents: NONE
Cum Mud Cost: $ 379,918	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 4,362,971	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 339.0	Bulk Weight: 158.0	Neat Cement: 78.0 Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No:	Date: 14 Mar 99	Page: 4 Of 4	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2485.0 m	TVD: 2477.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 48	DFS: 39	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 22.3	Total Rot Hrs: 431.0
Torque: 0	Drag: 10.0	Rot Weight: 99.0	P/U Weight: 109.0	Slack Off Weight: 93.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 280.5	Cum Rot Hrs On Casing Since Last Caliper: 280.5	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1255	FV: 56	PV: 20
YP: 7.0	Gel: 7 / 8				
WL API: 0.0	HTHP: 7.0	FC (mm) API: 0.0	HTHP: 1.0	Solids: 13.00	% Oil: 72.00
%Water: 10.00	% Sand:	MBT: 0.0	Ph: 0.0		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 850	Ca: 6.4	Bent:
Solids %HG/LG: 6.00 / 7.00	%DS/Bent: 0.0 / 0.0				

42 1 LTR TRANSPOR

Drlg Gas: 170	Max Gas: 200	Conn Gas: 220	Trip Gas:	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
14	537	311.0	SMITH	LN5346	F3P	22.2/22.2/22.2/ /	1161	2389.0 m	2500.0 m	2491.4 m
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
96.0	52.3	14.0/20.0	100 / 115	3	4	WT	A7	F	1MM		TD	$ 2170.80
		/	/									

Total Length of BHA: 221.7m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 282.7 Hours Since Last Inspection: 282.7

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
14	152.0/152.0/152.0	/ /	85/85/	15800	2.17	31.24	34.32	57.27	24.80	0.2	572.40
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Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2422.7	5.20	69.50	N69.50E	2414.7	97.1 N	129.32 E	161.40	0.31
2432.4	5.30	68.10	N68.10E	2424.4	97.42 N	130.15 E	162.27	0.50
2442.0	5.20	66.50	N66.50E	2434.0	97.76 N	130.96 E	163.14	0.55
2461.4	4.70	60.00	N60.00E	2453.3	98.51 N	132.45 E	164.80	1.16

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
7.25	0000-0715 DRILL 311MM HOLE WITH MOTOR FROM 2435M TO 2448M, SLIDING TO CORRECT FOR DIR & DEV	
0.25	0715-0730 RIG SERVICE - FUNC BOTTOM PIPE RAMS C/O 6 SEC	
0.50	0730-0800 SURVEY @ 2422.7M, DEV=5.2, AZM=69.5, 2432.4M, DEV=5.3, AZM=68.1	
3.25	0800-1115 DRILL 311MM HOLE WITH MOTOR TO 2458M, SLIDING TO CORRECT FOR DIR & DEV	
0.25	1115-1130 SURVEY @ 2442M, DEV=5.2, AZM=66.5	
8.00	1130-1930 DRILL 311MM HOLE WITH MOTOR TO 2477M, SLIDING TO CORRECT FOR DIR & DEV	
0.25	1930-1945 SURVEY @ 2461.4M, DEV=4.7, AZM=60	
0.25	1945-2000 RIG SERVICE - FUNC TOP PIPE RAMS C/O 6 SEC	
3.75	2000-2345 DRILL 311MM HOLE WITH MOTOR TO 2485M, SLIDING TO CORRECT FOR DIR & DEV	
0.25	2345-2400 RIG SERVICE - FUNC ANNULAR C/O 15SEC	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, COLEMAN - SAFETY DAYS @ 253
OPERATIONS @ 0600: POOH TO LOG, STRAP OUT, INTERMEDIATE CASING POINT @ 2500M
OBJECTIVES FOR NEXT 24 HRS: POOH, LOG, RIH TO CLEAN HOLE PRIOR TO RUNNING CASING.

Daily Mud Cost: $ 4,200	Daily Tangible Cost:	Daily Well Cost: $ 56,629	Accidents: NONE
Cum Mud Cost: $ 370,731	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 4,299,415	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 339.0	Bulk Weight: 158.0	Neat Cement: 78.0 Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No:	Date: 13 Mar 99	Page: 3 Of 4	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2435.0 m	TVD: 2427.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 47	DFS: 38	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 22.5	Total Rot Hrs: 408.7
Torque: 0	Drag: 11.0	Rot Weight: 99.0	P/U Weight: 110.0	Slack Off Weight: 93.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 258.2	Cum Rot Hrs On Casing Since Last Caliper: 258.2	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1250	FV: 62	PV: 21
YP: 7.0	Gel: 8 / 9				
WL API: 0.0	HTHP: 6.7	FC (mm) API: 0.0	HTHP: 1.0	Solids: 17.00	% Oil: 72.00
%Water: 11.00	% Sand:	MBT: 0.0	Ph: 0.0		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 950	Ca: 6.7	Bent:
Solids %HG/LG: 6.00 / 11.00	%DS/Bent: 0.0 / 0.0				
Drlg Gas: 180	Max Gas: 240	Conn Gas: 210	Trip Gas:	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
14	537	311.0	SMITH	LN5346	F3P	22.2/22.2/22.2/ /	1161	2389.0 m	2500.0 m	2491.4 m
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
46.0	30.0	14.0/23.0	100 / 115	3	4	WT	A7	F	1MM		TD	$ 3119.52
		/	/									

Total Length of BHA: 221.7m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 260.5 Hours Since Last Inspection: 260.5

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
14	152.0/152.0/152.0	/ /	83/ /80	14700	2.16	31.12	34.20	57.06	24.20	0.2	530.60
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2393.7	5.50	64.20	N64.20E	2385.7	96.09 N	126.8 E	158.74	0.90
2403.3	5.50	68.80	N68.80E	2395.3	96.46 N	127.64 E	159.65	1.38
2413.1	5.30	69.40	N69.40E	2405.1	96.79 N	128.5 E	160.55	0.64

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
7.50	0000-0730 DRILL AHEAD 311MM HOLE WITH MOTOR FROM 2404M TO 2412M ROTATING, SLIDING TO CORRECT FOR DEV & AZM
0.25	0730-0745 RIG SERVICE - FUNC TOP PIPE RAMS C/O 6SEC
0.25	0745-0800 SURVEY @ 2393.7M, DEV=5.5, AZM=64.2
3.00	0800-1100 DRILL 311MM HOLE WITH MOTOR TO 2419M, ROTATING, SLIDING TO CORRECT
0.25	1100-1115 RIG SERVICE - FUNC BOTTOM PIPE RAMS C/O 5 SEC
0.25	1115-1130 SURVEY @ 2403.3, DEV=5.5, AZM=68.8
12.00	1130-2330 DRILL 311MM HOLE WITH MOTOR TO 2435M, ROTATING, SLIDING TO CORRECT
0.25	2330-2345 RIG SERVICE - FUNC ANNULAR PREVENTER C/O 15 SEC
0.25	2345-2400 SURVEY @ 2413.1M, DEV=5.3, AZM=69.4
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, COLEMAN - SAFETY DAYS @ 252

OPERATIONS @ 0600: DRILL AHEAD @ 2446M, ROP=3M/HR, FLOW=2.2M3/MIN, WOB=15KDAN ROTATING, BIT ROTATION=115RPM ROTATING

OBJECTIVES FOR NEXT 24 HRS: CONTINUE TO DRILL AHEAD SLIDING TO CORRECT FOR DEV & DIR TO INTERMEDIATE CASING POINT

Daily Mud Cost: $ 331	Daily Tangible Cost:	Daily Well Cost: $ 49,709	Accidents: NONE
Cum Mud Cost: $ 366,531	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 4,242,786	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 347.0	Bulk Weight: 158.0
Neat Cement: 78.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No:	Date: 12 Mar 99	Page: 2 Of 4

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2404.0 m	TVD: 2396.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 46	DFS: 37	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 7.5	Total Rot Hrs: 386.2
Torque: 0	Drag: 13.0	Rot Weight: 97.0	P/U Weight: 110.0	Slack Off Weight: 88.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 235.7	Cum Rot Hrs On Casing Since Last Caliper: 235.7	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1250	FV: 67	PV: 21
YP: 8.0	Gel: 9 / 10				
WL API: 0.0	HTHP: 6.2	FC (mm) API: 0.0	HTHP: 1.0	Solids: 18.00	% Oil: 72.00
%Water: 10.00	% Sand:	MBT: 0.0	Ph: 0.0		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 850	Ca: 6.7	Bent:
Solids %HG/LG: 4.00 / 14.00	%DS/Bent: 0.0 / 0.0				

1 1MT BARITE 10 25KG LIME

Drlg Gas: 280	Max Gas: 560	Conn Gas:	Trip Gas: 480	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
14	537	311.0	SMITH	LN5346	F3P	22.2/22.2/22.2/ /	1161	2389.0 m	2500.0 m	2491.4 m
13	447	311.0	REED	MN3675	EHP44H	22.2/22.2/17.5/ /	1015	2356.0 m	2389.0 m	2381.0 m

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
15.0	7.5	14.0/22.0	100 / 115	3	4	WT	A7	F	1MM		TD	$ 5191.93
33.0	17.0	0.0/0.0	/	3	2	BT	A7	F	1MM	LT	TQ	$ 3475.33

Total Length of BHA: 221.7m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 238.0 Hours Since Last Inspection: 238.0

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
14	152.0/152.0/152.0	235.0/235.0/254.0	85/85/	15000	2.17	31.18	34.32	57.27	24.20	0.2	543.40
13	152.0/152.0/152.0	235.0/235.0/254.0	82/82/	17000	2.09	34.50	33.13	55.26	28.50	0.2	594.40

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2374.3	5.40	59.40	N59.40E	2366.3	95.2 N	125.14 E	156.87	1.62
2384.3	5.70	62.20	N62.20E	2376.3	95.67 N	125.98 E	157.83	1.21

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
1.00	0000-0100 POOH, FLOW CHECK OUT OF HOLE	
0.25	0100-0115 RIG SERVICE - FUNC BLIND RAMS C/O 6SEC	
0.25	0115-0130 BOP DRILL WHILE OUT OF HOLE, WELL SECURE IN 61SEC	
1.00	0130-0230 MAKE UP BIT #14 (F3P), SCRIBE MOTOR, AND INSTALL MWD	
1.50	0230-0400 RIH TO 750M	
0.75 T	0400-0445 TEST MWD, NOT WORKING	
2.50 T	0445-0715 FLOW CHECK, PUMP PILL, POOH FOR MWD, FLOW CHECK @ HWDP & OOH	
3.75 T	0715-1100 REBUILD MWD, CIRCULATE THROUGH KILL LINE	
4.50	1100-1530 RIH WITH BIT #14 & NEW MWD TOOL, TEST MWD @ 750M, 1270M, 1780M, WASH TO BOTTOM (NO FILL)	
0.25	1530-1545 SURVEY @ 2374.3 DEV=5.4, AZM=59.4	
0.25	1545-1600 RIG SERVICE - FUNC BOTTOM PIPE RAMS C/O 4SEC	
7.50	1600-2330 DRILL 311MM HOLE WITH MOTOR FROM 2389M TO 2404 M,SLIDING TO CORRECT FOR DEV, AND DIR	
0.25	2330-2345 RIG SERVICE - FUNC ANNULAR C/O 16SEC	
0.25	2345-2400 SURVEY @ 2384M, DEV=5.7, AZM=62.2	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, COLEMAN - SAFETY DAYS @ 251

OPERATIONS @ 0600: DRILL AHEAD @ 2413M, ROP=1.5M/HR, FLOW=2.2M3/MIN, WOB=14/23KDAN ROT/SLIDING, BIT ROTATION=115/100RPM ROT/SLIDE

OBJECTIVES FOR NEXT 24 HRS: CONTINUE TO DRILL AHEAD CORRECTING FOR DEV & DIR TO INTERMEDIATE CASING POINT

Daily Mud Cost: $ 331	Daily Tangible Cost:	Daily Well Cost: $ 66,446	Accidents: NONE
Cum Mud Cost: $ 366,200	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 4,193,077	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 361.0	Bulk Weight: 158.0
Neat Cement: 78.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No: RWNC-R8029-400	Date: 11 Mar 99	Page: 1 Of 4

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2389.0 m	TVD: 2381.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m			
DOL: 45	DFS: 36	Spud Date: 02/03/99	Daily Footage: 30.0	Daily Rot Hrs: 16.0	Total Rot Hrs: 378.7		
Torq: 0	Drag: 8.0	Rot Wgt: 92.0	P/U Wgt: 100.0	Slack Off Wgt: 88.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 30
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y			
Cum Rot Hrs On Casing: 228.2	Cum Rot Hrs On Casing Since Last Caliper: 228.2	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1240	FV: 62	PV: 24	YP: 6.5	Gel: 7 / 8
WL API: 0.0	HTHP: 8.0	FC (mm) API: 0.0	HTHP: 1.0	Solids: 17.00	% Oil: 72.00	%Water: 11.00	% Sand:	MBT: 0.0	Ph: 0.00
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 800	Ca: 22	Bent:	Solids %HG/LG: 7.00 / 10.00	%DS/Bent: 0.0 / 0.0

18	40KG BARITE	8	25KG MICA-MED	3	22KG SODA ASH	20	1KSX SAWDUST	3	19LTR DETERGENT		
70	1M3 BASE OIL DF1	1	208LTR VERSAMUL	4	19LTR VERSATHIN	3	208LTR VERSAWET				

Drlg Gas: 100	Max Gas: 150	Conn Gas: 150	Trip Gas: 0	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
13	447	311.0	REED	NN3675	EHP44M	22.2/22.2/17.5/ /	1015	2356.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
33.0	17.0	13.0/15.0	115 / 115									$ 3475.33
		/	/									

Total Length of BHA: 221.56 m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 231.5 Hours Since Last Inspection: 231.5

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
13	152 / 152 / 152	235.0/235.0/254.0	82/82/	17000	2.09	34.50	33.13	55.26	28.50	0.2	594.40
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2355.1	4.90	49.20	N49.20E	2347.2	94.21 N	123.74 E	155.16	1.98

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
1.25	0000-0115 DRILL 311MM HOLE WITH MOTOR ROTATING FROM 2359M TO 2361M	
0.25	0115-0130 RIG SERVICE - FUNC TOP PIPE RAMS C/O 6 SEC	
14.75	0130-1615 DRILL 311MM HOLE WITH MOTOR ROTATING TO 2389M	
0.25	1615-1630 RIG SERVICE - FUNC ANNULAR C/O 15SEC	
1.00	1630-1730 ACCUMULATED SURVEYS, 2355.1M, DEV=4.9, DIR=49.2, MWD MALFUNCTIONING	
1.00	1730-1830 CIRCULATE BOTTOMS UP PRIOR TO POOH	
3.75	1830-2215 FLOW CHECK, PUMP PILL, POOH WITH BIT #13 (TORQUE), FLOW CHECK @ 5 STANDS, 35 STANDS, 60 STANDS	
0.25	2215-2230 RIG SERVICE - FUNC LOWER PIPE RAMS C/O 6SEC	
0.75	2230-2315 WORK ON TOP DRIVE	
0.75	2315-2400 POOH FLOW CHECK @ HWDP	
	- NEB RIG INSPECTION - NO DEFFICIENCIES NOTED	
	- MUD INVENTORY ADJUSTMENT TODAY	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, COLEMAN - SAFETY DAYS @ 250

OPERATIONS @ 0600: POOH TO REPAIR MWD TOOL, CURENT DEPTH 120M (FAILED SHALLOW TEST AT THE SHOE)

OBJECTIVES FOR NEXT 24 HRS: CORRECT MWD TOOL PROBLEM, RIH, CONTINUE TO DRILL AHEAD CORRECTING FOR DEV & DIR TO TD

Daily Mud Cost: $ 30,560	Daily Tangible Cost:	Daily Well Cost: $ 76,734	Incidents: NONE
Cum Mud Cost: $ 365,869	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 4,124,231	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 377.0	Bulk Weight: 158.0	Neat Cement: 78.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 10-MAR-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2359.0 m	TVD: 2359.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 44	DFS: 35	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 8.5	Total Rot Hrs: 362.7	
Torque: 0	Drag: 3.0	Rot Weight: 92.0	P/U Weight: 95.0	Slack Off Weight: 88.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 30
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y		
Cum Rot Hrs On Casing: 212.2	Cum Rot Hrs On Casing Since Last Caliper: 121.2	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1240	FV: 65	PV: 25	YP: 8.5	Gel: 7 / 8
WL API: 0.0	HTHP: 5.7	FC (mm) API: 0.0	HTHP: 1.0	Solids: 16.00	% Oil: 72.00	%Water: 12.00	% Sand:	MBT: 0.0	Ph: 0.0
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 800	Ca: 6.4	Bent:	Solids %HG/LG: 63.00 / 37.00	%DS/Bent: 0.0 / 0.0
6 1MT BARITE	12 1M3 BASE OIL	40 25KG LIME	4 208LTRVERSAWET			

Drlg Gas: 230	Max Gas: 260	Conn Gas:	Trip Gas: 1140	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
13	447	311.0	REED	NN3675	EHP44M	22.2/22.2/17.5/ /	1015	2356.0 m		
12	537	311.0	REED	LK4965	EHP53A	22.1/22.1/17.5/ /	1008	2291.0 m	2356.0 m	2348.0 m

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
3.0	1.0	12.0/13.0	95 / 110									$ 20456.8
65.0	40.3	14.0/15.0	100 / 115	2	3	CD	A7	F	3MM	HC	TQ	$ 2987.24

Total Length of BHA: 221.5 m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 215.5 | Hours Since Last Inspection: 215.5

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
13	152.0/152.0/152.0	/ /	82/82/	16000	2.09	34.50	33.13	55.26	28.60	0.2	559.40
12	152.0/152.0/152.0	/ /	85/ /85	16000	2.26	37.43	35.69	59.56	35.90	0.3	602.80

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2335.9	4.40	34.80	N34.80E	2328.1	93.07 N	122.7 E	153.66	1.70

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
7.50	0000-0730 DRILL 311MM HOLE WITH MOTOR FROM 2348M TO 2356M	
0.25	0730-0745 RIG SERVICE - FUNC LOWER PIPE RAMS C/O 6 SEC	
0.25	0745-0800 SURVEY @ 2335.9M, DEV=4.4, AZM=34.8	
4.00	0800-1200 PUMP PILL, POOH, FLOW CHECKING ON BOTTOM, 5 STANDS, 40 STANDS, HWDP, OOH.	
	- HOLE FILL - CALC=12.88M3, MEAS=13.35M3, DIFF=0.47M3	
2.00	1200-1400 LAY DOWN ALL 9" DRILL COLLARS	
1.00	1400-1500 CHANGE OUT BIT AND CHECK MWD	
0.25	1500-1515 RIG SERVICE - FUNC BLIND RAMS C/O 5SEC	
2.25	1515-1730 STRAP DRILL COLLARS, PICK UP 2 DRILL COLLARS, RUN IN BHA	
0.25	1730-1745 HOLD BOP DRILL WITH CREW WHILE TRIPPING. WELL SECURE IN 80 SEC	
0.50	1745-1815 RIH TO 735M	
0.25	1815-1830 SHALLOW TEST MWD	
0.75	1830-1915 SLIP AND CUT 18M DRILL LINE	
3.50	1915-2245 RIH TO 1225M, TEST MWD, CONTINUE RIH WASH TO BOTTOM FROM 2285M (NO FILL)	
0.25	2245-2300 RIG SERVICE - FUNC TOP PIPE RAMS C/O 6 SEC	
1.00	2300-2400 DRILL 311MM HOLE WITH MOTOR ROTATING FROM 2356 TO 2359M	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, COLEMAN - SAFETY DAYS @ 249

OPERATIONS @ 0600: DRILL AHEAD @ 2368M (ROTATING) ROP=1.6M/HR, WOB=13KDAN, FLOW=2.2M3/MIN, BIT ROTATION=115RPM

OBJECTIVES FOR NEXT 24 HRS: DRILL AHEAD, SLIDING TO ADJUST ANGLE AND DEV TO INTERMEDIATE CSG PT.

Daily Mud Cost: $ 8,556	Daily Tangible Cost:	Daily Well Cost: $ 65,876	Accidents: NONE
Cum Mud Cost: $ 335,839	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 4,048,027	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 396.0	Bulk Weight: 174.0	Neat Cement: 78.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/NEWHOOK		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No:	AFE No:	Date: 09 Mar 99	Page: 2 Of 2		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2348.0 m	TVD: 2340.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m							
DOL: 43	DFS: 34	Spud Date: 02/03/99	Daily Footage: 38.0	Daily Rot Hrs: 22.5	Total Rot Hrs: 354.2						
Torq: 0	Drag: 5.0	Rot Wgt: 91.0	P/U Wgt: 96.0	Slack Off Wgt: 86.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y							
Cum Rot Hrs On Casing: 203.8	Cum Rot Hrs On Casing Since Last Caliper: 203.8	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1229	FV: 60	PV: 23	YP: 7.0	Gel: 8 / 9				
WL API: 0.0 HTHP: 7.5	FC (mm) API: 0.0 HTHP: 1.0	Solids: 16.00	% Oil: 72.00	%Water: 12.00	% Sand:	MBT: 0.0	Ph: 0.00				
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 750	Ca: 22	Bent:	Solids %HG/LG: 62.00 / 38.00	%DS/Bent: 0.0 / 0.0				
20 25KG LIME 43 1LTR TRANSPORTATION											
Drlg Gas: 250	Max Gas: 1140	Conn Gas: 900	Trip Gas: 0	Trip Cl:	Remarks:						

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
12	537	311.0	REED	LX4965	EHP53A	22.1/22.1/17.5/ /	1008	2291.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
57.0	32.8	14.0/15.0	100 / 115									$ 2967.81
		/	/									

Total Length of BHA: 221.56 m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 207.0 Hours Since Last Inspection: 207.0

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
12	152 / 152 / 152	235.0/235.0/254.0	85/ /85	16000	2.26	37.43	35.69	59.56	35.90	0.3	602.80
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2307.3	3.20	22.80	N22.80E	2299.5	91.48 N	121.78 E	152.01	0.66
2316.9	3.40	27.80	N27.80E	2309.1	91.98 N	122.02 E	152.49	1.09
2326.4	3.90	32.00	N32.00E	2318.6	92.5 N	122.32 E	153.03	1.79

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
7.50	0000-0730 DRILL 311MM HOLE WITH MOTOR FROM 2310M TO 2324M, ROTATING	
0.25	0730-0745 RIG SERVICE - FUNC BOTTOM PIPE RAMS C/O 6SEC	
0.25	0745-0800 SURVEY @ 2307.3M, DEV=3.2, AZM=22.8	
4.00	0800-1200 DRILL 311MM HOLE WITH MOTOR TO 2332M, SLIDING TO CORRECT DIRECTION/DEVIATION	
0.25	1200-1215 RIG SERVICE - FUNC ANNULAR C/O 16SEC	
0.25	1215-1230 SURVEY @ 2316.9M, DEV=3.4, AZM=27.8	
6.50	1230-1900 DRILL 311MM HOLE WITH MOTOR TO 2342M, SLIDING TO CORRECT DIR/DEV	
0.25	1900-1915 RIG SERVICE - FUNC TOP PIPE RAMS C/O 6SEC	
0.25	1915-1930 SURVEY @ 2326.4M, DEV=3.9, AZM=32	
4.50	1930-2400 DRILL 311MM HOLE WITH MOTOR TO 2348M, ROTATING	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, COLEMAN - SAFETY DAYS @ 248

OPERATIONS @ 0600: DRILL AHEAD @ 2356M (SLIDING) ROP=1-1.5M/HR, WOB=18KDAN, FLOW=2.26M3/MIN, , BIT @ 100RPM

OBJECTIVES FOR NEXT 24 HRS: DRILL AHEAD, SLIDING TO ADJUST ANGLE AND DEV TO INTERMEDIATE CSG PT.

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost:	Incidents: NONE
Cum Mud Cost: $ 322,838	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 3,845,566	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 396.0	Bulk Weight: 180.0	Neat Cement: 78.0 Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 08-MAR-99	Page: 1 Of 1	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2310.0 m	TVD: 2302.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 42	DFS: 33	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 10.3	Total Rot Hrs: 331.7
Torque: 0	Drag: 4.0	Rot Weight: 90.0	P/U Weight: 94.0	Slack Off Weight: 86.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 181.3	Cum Rot Hrs On Casing Since Last Caliper: 181.3	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1235	FV: 72	PV: 22
YP: 6.5	Gel: 8 / 7				
WL API: 0.0	HTHP: 4.8	FC (mm) API: 0.0	HTHP: 1.0	Solids: 16.00	% Oil: 72.00
%Water: 12.00	% Sand:	MBT: 0.0	Ph: 0.0		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 7.3	Bent:
Solids %HG/LG: 63.00 / 37.00	%DS/Bent: 0.0 / 0.0				

20 25 KG LIME

Drlg Gas: 210	Max Gas: 380	Conn Gas: 280	Trip Gas: 820	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
12	537	311.0	REED	LK4965	EHP53A	22.1/22.1/17.5/ /	1008	2291.0 m		
11	627	311.0	REED	MM9034	HP62A	19.0/19.0/17.5/ /	808	2246.0 m	2291.0 m	2283.0 m

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
19.0	10.3	13.0/14.0	100 / 115									$ 4955.81
45.0	14.8	0.0/0.0	/	4	4	WT	A7	E	2MM		PR	$ 2425.89

Total Length of BHA: 221.5 m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 184.5 Hours Since Last Inspection: 184.5

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
12	152.0/152.0/152.0	/ /	85/85/	16000	2.17	36.00	34.32	57.27	32.00	0.3	579.60
11	152.0/152.0/152.0	/ /	/ /	0	0.00	0.00	0.00	0.00	0.00	0.0	0.00

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2288.2	2.80	25.30	N25.30E	2280.4	90.57 N	121.37 E	151.17	1.21

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
5.75	0000-0545 POOH WITH BIT #11, FLOW CHECK @ 2270, 2166, 1430, 850, 230M & OOH	
	- HOLE FILL - CALC=12.69M3, MEAS=13.23M3, DIFF=0.54M3	
0.25	0545-0600 RIG SERVICE - FUNC BLIND RAMS C/O 6 SEC	
3.00	0600-0900 PICK UP NEW MOTOR, REMOVE STAB SLEEVE AND INSTALL SLICK SLEEVE & INSTALL MWD. M/U BIT # 12 (EHP53A)	
4.25	0900-1315 RIH TESTING MWD @750, 1250, 1750M. WASH FROM 2275M TO BOTTOM(2291M) NO FILL	
6.50	1315-1945 DRILL 311MM HOLE WITH MOTOR FROM 2291M TO 2304M	
0.25	1945-2000 RIG SERVICE - FUNC TOP PIPE RAMS C/O 6 SEC	
3.50	2000-2330 DRILL 311MM HOLE WITH MOTOR TO 2310M	
0.25	2330-2345 RIG SERVICE - FUNC ANNULAR C/O 16 SEC	
0.25	2345-2400 SURVEY @ 2288.2M, DEV=2.8, AZM=25.3	
	-	
	- NOTE: RECEIVED 120M3 DIESEL ON LOCATION FOR A COST OF $42,200	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, WILLIAMS - SAFETY DAYS @ 247

OPERATIONS @ 0600: DRILL AHEAD @ 2323M, FLOW=2.17M3/MIN, WOB=13KDAN, ROTARY=115RPM, ROP=1.4M/HR

OBJECTIVES FOR NEXT 24 HRS: DRILL AHEAD, SLIDING TO ADJUST ANGLE AND DEV TO INTERMEDIATE CSG PT.

Daily Mud Cost: $ 21,600	Daily Tangible Cost:	Daily Well Cost: $ 153,770	Accidents: NONE
Cum Mud Cost: $ 344,293	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 3,951,206	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 396.0	Bulk Weight: 180.0
Neat Cement: 78.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
	API No:	AFE No:	Date: 07 Mar 99
Page: 3 Of 3			

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2291.0 m	TVD: 2291.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 41	DFS: 32	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 7.5	Total Rot Hrs: 321.5	
Torque: 0	Drag: 4.0	Rot Weight: 90.0	P/U Weight: 94.0	Slack Off Weight: 86.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 30
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y		
Cum Rot Hrs On Casing: 171.0	Cum Rot Hrs On Casing Since Last Caliper: 171.0	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1229	FV: 71	PV: 18	YP: 5.5	Gel: 8 / 9
WL API: 0.0	HTHP: 4.8	FC (mm) API: 0.0	HTHP: 1.0	Solids: 19.00	% Oil: 70.00	%Water: 11.00	% Sand:	MBT: 0.0	Ph: 0.0
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 7.6	Bent:	Solids %HG/LG: 57.00 / 43.00	%DS/Bent: 0.0 / 0.0

83 1 MT BARITE 20 25 KG LINE

Drlg Gas: 1070	Max Gas: 1300	Conn Gas: 1200	Trip Gas: 550	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
11	627	311.0	REED	MM9034	HP62A	19.0/19.0/17.5/ /	808	2246.0 m	2291.0 m	2283.0 m
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
45.0	14.8	13.0/16.0	100 / 100	4	4	WT	A7	E	2MM		PR	$ 2425.89
		/	/									

Total Length of BHA: 221.5 m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 174.2 Hours Since Last Inspection: 174.2

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
11	152.0/152.0/152.0	/ /	85/85/	16500	2.17	44.93	34.32	57.27	49.60	0.4	597.60
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2269.0	3.00	40.20	N40.20E	2261.2	89.76 N	120.85 E	150.30	3.89

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
10.25 T	0000-1015 CIRCULATE AND CONDITION MUD, WEIGHTING WITH BARITE. WEIGHT FROM 1045KG/M3 TO 1115 KG/M3 OVER 4 CIRCULATIONS AT	
T	- 2.2 M3/MIN. TOTAL BARITE MIXED 60 TONNE.	
3.75	1015-1400 DRILL 311MM HOLE WITH MOTOR FROM 2276M TO 2285M, SLIDING TO HOLD ANGLE	
0.25	1400-1415 SURVEY @ 2269M, DEV=3, AZM=40.2	
3.75	1415-1800 DRILL 311MM HOLE WITH MOTOR TO 2291M, SLIDING TO HOLD ANGLE	
0.50	1800-1830 CIRCULATE AND MIX PILL PRIOR TO TRIPPING BIT.	
0.25	1830-1845 RIG SERVICE - FUNC ANNULAR C/O 16 SEC	
3.00	1845-2145 FLOW CHECK, PUMP PILL, PULL 20 STANDS FLOW CHECKING EVERY 5 STANDS, FLOWING SLIGHTLY @ 1716M, RIH TO BOTTOM	
2.00	2145-2345 CIRCULATE BOTTOMS UP, BOTTOMS UP GAS 500 UNITS	
0.25	2345-2400 RIG SERVICE - FUNC BOTTOM PIPE RAMS C/O 6 SEC	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, WILLIAMS - SAFETY DAYS @ 246

OPERATIONS @ 0600: M/U BIT #12 (EMPS3A) AND NEW MOTOR

OBJECTIVES FOR NEXT 24 HRS: RIH TO BOTTOM, DRILL AHEAD, SLIDING TO ADJUST ANGLE AND DEV TO INTERMEDIATE CSG PT.

Daily Mud Cost: $ 21,600	Daily Tangible Cost:	Daily Well Cost: $ 75,099	Accidents: NONE
Cum Mud Cost: $ 322,693	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 3,797,436	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 298.0	Bulk Weight: 180.0	Neat Cement: 78.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No:	Date: 06 Mar 99	Page: 2 Of 3

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2276.0 m	TVD: 2276.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 40	DFS: 31	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 7.3	Total Rot Hrs: 314.0
Torque: 0	Drag: 4.0	Rot Weight: 90.0	P/U Weight: 94.0	Slack Off Weight: 86.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 30			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 163.5	Cum Rot Hrs On Casing Since Last Caliper: 163.5	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1020	FV: 78	PV: 19
YP: 5.0	Gel: 6 / 7				
WL API: 0.0	HTHP: 6.0	FC (mm) API: 0.0	HTHP: 1.0	Solids: 14.00	% Oil: 76.00
%Water: 13.00	% Sand:	MBT: 0.0	Ph: 0.0		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 7.6	Bent:
Solids %HG/LG: 0.00 / 100.0	%DS/Bent: 0.0 / 0.0				
15 1M3 BASE OIL 20 25KG LIME					
Drlg Gas: 400	Max Gas: 1270	Conn Gas: 500	Trip Gas: 1140	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
11	627	311.0	REED	MM9034	HP62A	19.0/19.0/17.5/ /	808	2246.0 m	2291.0 m	2283.0 m
10	517B	311.0	SEC	730870	GS84F	19.0/19.0/17.5/ /	808	2133.0 m	2246.0 m	2246.0 m

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
30.0	7.3	13.0/15.0	100 / 100	4	4	WT	A7	E	2MM		PR	$ 2805.41
113.0	18.5	0.0/0.0	/	6	8	WT	A7	F	2MM		TQ	$ 1059.91

Total Length of BHA: 221.5 m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 166.8 Hours Since Last Inspection: 166.8

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
11	152.0/152.0/152.0	235.0/235.0/254.0	85/85/	14800	2.17	44.93	34.32	57.27	40.70	0.3	536.20
10	152.0/152.0/152.0	235.0/235.0/254.0	85/ /85	13500	2.26	46.60	35.69	64.31	46.30	0.4	508.60

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2259.5	4.00	52.10	N52.10E	2251.7	89.37 N	120.43 E	149.73	1.52

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
2.50	0000-0230 POOH FLOW CHECK @ 700, 230M AND OOH
0.50	0230-0300 CHANGE TO BIT #11 REED HP62A AND CHECK MWD
0.25	0300-0315 RIG SERVICE - FUNC BLIND RAMS C/O 6 SEC
3.00	0315-0615 RIH TO 740M AND CHECK MWD
0.75	0615-0700 SLIP AND CUT 18M OF DRILL LINE
3.25	0700-1015 RIH TESTING MWD @ 1500M WASH TO BOTTOM FROM 2190M (NO FILL) WORK PIPE AND CLEAN HOLE PRIOR TO DRILLING
4.50	1015-1445 DRILL 311MM HOLE WITH MOTOR ROTATING AND SLIDING FROM 2246M TO 2265M
1.00	1445-1545 FLOW CHECK AND CIRCULATE OUT COMBUSTABLE GAS
2.75	1545-1830 DRILL 311MM HOLE WITH MOTOR TO 2276M
0.25	1830-1845 SURVEY @ 2259.5, DEV=4.0, AZM=52.1
1.00 T	1845-1945 FLOW CHECK AND CICULATE OUT GAS, GAS NOT READING ON GAS DETECTOR (INERT?)
0.25 T	1945-2000 RIG SERVICE - FUNC ANNULAR C/O 16SEC
3.75 T	2000-2345 CIRCULATE OUT NON COMBUSTABLE GAS AND WEIGHT UP WITH BARITE. INITIAL MUD WT 1020KG/M3 INCREASING MUD WT UNTIL
T	- GAS STOPS FLOWING TO SURFACE.
0.25 T	2345-2400 RIG SERVICE - FUNC REMOTE CHOKE
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, WILLIAMS - SAFETY DAYS @ 245

OPERATIONS @ 0600: CONTINUE TO WEIGHT UP W/ BARITE AND CIRCULATE, CURRENT MUD WT @ 1100KG/M3

OBJECTIVES FOR NEXT 24 HRS: KILL WELL, CONTINUE DRILL AHEAD, SLIDING TO MAINTAIN DIRECTION TO INTERMEDIATE CASING POINT.

Daily Mud Cost: $ 5,920	Daily Tangible Cost:	Daily Well Cost: $ 78,753	Accidents: NONE
Cum Mud Cost: $ 301,093	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 3,722,337	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 298.0	Bulk Weight: 245.6
Neat Cement: 78.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No: RWWNC-R8029-400	Date: 05 Mar 99	Page: 1 Of 3

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2246.0 m	TVD: 2246.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 39	DFS: 30	Spud Date: 02/03/99	Daily Footage: 107.0	Daily Rot Hrs: 17.8	Total Rot Hrs: 306.7	
Torq:	Drag:	Rot Wgt:	P/U Wgt:	Slack Off Wgt:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 30
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y		
Cum Rot Hrs On Casing: 156.2	Cum Rot Hrs On Casing Since Last Caliper: 156.2	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1025	FV: 76	PV: 21	YP: 4.5	Gel: 7 / 8
WL API: 0.0	HTHP: 8.6	FC(mm) API: 0.0	HTHP: 1.0	Solids: 11.00	% Oil: 76.00	%Water: 13.00	% Sand:	MBT: 0.0	Ph: 0.00
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 24	Bent:	Solids %HG/LG: 0.00 / 100.0	%DS/Bent: 0.0 / 0.0

10 1M3 BASE OIL DF1

Drlg Gas: 270	Max Gas: 320	Conn Gas: 400	Trip Gas: 0	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
10	517B	311.0	SEC	730870	GS84F	19.0/19.0/17.5/ /	808	2133.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
113.0	18.5	12.0/15.0	100 / 100									$ 1059.91
		/	/									

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
10	152 / 152 / 152	235.0/235.0/254.0	85/ / 85	13500	2.26	46.73	35.69	64.31	46.50	0.4	508.60
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2173.3	5.30	72.40	N72.40E	2165.9	85.37 N	113.18 E	141.48	1.45
2202.0	6.60	60.60	N60.60E	2194.4	86.58 N	115.88 E	144.40	1.86
2221.2	5.80	60.70	N60.70E	2213.5	87.6 N	117.69 E	146.46	1.25
2230.7	5.60	60.70	N60.70E	2223.0	88.06 N	118.51 E	147.41	0.63

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
2.75	0000-0245 DRILL 311MM HOLE WITH MOTOR FROM 2139 TO 2160M	
0.25	0245-0300 RIG SERVICE - FUNC TOP PIPE RAMS C/O 6SEC	
0.25	0300-0315 SERVICE TOP DRIVE, INSTALL COUNTER BALANCE RAM	
4.50	0315-0745 DRILL 311MM HOLE W/ MOTOR TO 2189M	
0.25	0745-0800 ACCUMULATED SURVEYS - 2144.5M, DEV=4.5, AZM=85.7	
10.50	0800-1830 DRILL 311MM HOLE W/ MOTOR TO 2246M	
0.25	1830-1845 SAFETY/OPERATIONS MEETING	
0.25	1845-1900 RIG SERVICE - FUNC LOWER PIPE RAMS C/O 6SEC	
1.00	1900-2000 ACCUM SURVEYS - 2173.3M, DEV=5.3, AZM=72.4 - 2202M, DEV=6.6, AZM=60.6 - 2221.2M, DEV=5.8, AZM=60.7	
	- 2230.7M, DEV=5.6, AZM=60.70	
1.00	2000-2100 CIRCULATE BOTTOMS UP PRIOR TO TRIP	
2.75	2100-2345 POOH WITH BIT #10 TO CHANGE OUT (TRQUE). FLOW CHECK @ 2245, 2134, 1120, 740M	
0.25	2345-2400 RIG SERVICE - FUNCTION BOTTOM PIPE RAMS C/O 6SEC	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, WILLIAMS - SAFETY DAYS @ 244

OPERATIONS @ 0600: SLIP AND CUT DRLG LINE PRIOR TO FINISHING RIH W/ BIT #11(HP61A)

OBJECTIVES FOR NEXT 24 HRS: DRILL AHEAD IN 311 MM HOLE W/ BIT #11, SLIDING AS REQUIRED TO HOLD DIRECTION AND ANGLE TO TARGET.

Daily Mud Cost: $ 3,850	Daily Tangible Cost:	Daily Well Cost: $ 85,327	Incidents: NONE
Cum Mud Cost: $ 309,013	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 3,657,424	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 268.0	Bulk Weight: 245.6	Neat Cement: 78.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 04-MAR-99	Page: 1 Of 1

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2139.0 m	TVD: 2139.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 38	DFS: 29	Spud Date: 02/03/99	Daily Footage: 25.0	Daily Rot Hrs: 4.8	Total Rot Hrs: 289.0	
Torq:	Drag:	Rot Wgt:	P/U Wgt:	Slack Off Wgt:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 30
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y		
Cum Rot Hrs On Casing: 138.5	Cum Rot Hrs On Casing Since Last Caliper: 138.5	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1010	FV: 79	PV: 25	YP: 4.5	Gel: 8 / 9
WL API: 0.0	HTHP: 8.6	FC (mm) API: 0.0	HTHP: 1.0	Solids: 12.00	% Oil: 76.00	%Water: 14.00	% Sand:	MBT: 0.0	Ph: 0.00
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 25	Bent:	Solids %HG/LG: 0.00 / 100.0	%DS/Bent: 0.0 / 0.0

8 25KG MICA-MED 6 19LTR VERSATHIN 10 1M3 BASE OIL DF1

Drlg Gas: 240	Max Gas: 290	Conn Gas: 300	Trip Gas: 1150	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
10	517B	311.0	SEC	730870	GS84F	19.0/19.0/17.5/ /	808	2133.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
6.0	0.8	14.0/15.0	100 / 110									$ 10097.4
		/	/									

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
10	152 / 152 / 152	235.0/235.0/254.0	85/ /85	13800	2.26	46.73	35.69	64.31	45.80	0.4	520.00
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
2116.2	3.80	90.30	S89.70E	2109.0	84.8 N	108.74 E	137.45	0.78

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
4.00	0000-0400 DRILL 311MM HOLE WITH MOTOR FROM 2114M TO 2133M
0.25	0400-0415 SURVEY @ 2116.2M, DEV=3.8, AZM=90.3
0.25	0415-0430 RIG SERVICE - FUNC ANNULAR C/O 16 SEC
1.00	0430-0530 CIRCULATE BOTTOMS UP PRIOR TO TRIPPING BIT
6.25	0530-1145 POOH WITH BIT # 9 FLOW CHECK AT 2130, 2026, 1067, 700, HWDP, AND OUT OF THE HOLE
	- TRIP SHEET - MEASURED 11.98M3, CALCULATED 11.95M3, DIFFERENCE 0.05M3, OK
0.25	1145-1200 RIG SERVICE - FUNC BLIND RAMS C/O 6 SEC
0.50	1200-1230 PULL WEAR BUSHING AND SET TEST PLUG
4.00	1230-1630 15 DAY P/T - CHOKE LINES, BLIND RAMS, UPPER & LOWER PIPE RAMS, ANNULAR PREVENTER, STACK VALVES, ACTURATOR VALVE
	- HYDRAULIC VALVE & KELLY COCK ALL TO 1400 KPA LOW, 17500 KPA HIGH. FUNCTION TEST ACCUMULATOR.
0.75	1630-1715 M/U BIT # 10 (SEC GS84F), SCRIBE MOTOR, AND P/U MWD
2.75	1715-2000 RIH TO 735M AND TEST MWD
3.00	2000-2300 CONTINUE TO RIH FLOW CHECK @ 1665M, 2085M, WASH TO BOTTOM FROM 2085M TO 2133M NO FILL, CIRC OUT 11.5% TRIP GAS
0.25	2300-2315 SAFETY / OPERATIONS MEETING
0.75	2315-2400 DRILL 311 MM HOLE WITH MOTOR FROM 2133 TO 2139M
	-
	-
	-

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, WILLIAMS - SAFETY DAYS @ 243
OPERATIONS @ 0600: DRILLING AHEAD 311MM HOLE @ 2180M, CURRENT ROP 7M/HR
OBJECTIVES FOR NEXT 24 HRS: CONTINUE DRILL AHEAD HOLDING ANGLE TO INTERMEDIATE CASING POINT

Daily Mud Cost: $ 4,970	Daily Tangible Cost:	Daily Well Cost: $ 90,240	Incidents: NONE
Cum Mud Cost: $ 305,163	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 3,571,097	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 222.0	Bulk Weight: 245.6	Neat Cement: 78.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 03-MAR-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 2114.0 m	TVD: 2114.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 37	DFS: 28	Spud Date: 02/03/99	Daily Footage: 129.0	Daily Rot Hrs: 20.8	Total Rot Hrs: 284.2
Torq: 0	Drag: 3.0	Rot Wgt: 90.0	P/U Wgt: 93.0	Slack Off Wgt: 88.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 32			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 133.8	Cum Rot Hrs On Casing Since Last Caliper: 133.8	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 1005	FV: 77	PV: 24
YP: 6.5	Gel: 8 / 9				
WL API: 0.0 HTHP: 8.6	FC (mm) API: 0.0 HTHP: 1.0	Solids: 12.00	% Oil: 76.00	%Water: 14.00	% Sand:
MBT: 0.0	Ph: 0.00				
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 25	Bent:
Solids %HG/LG: / 100.0	%DS/Bent: 0.0 / 0.0				

16 25KG MICA-MED 5 19LTR VERSATHIN 70 1LTR TRANSPORTATION 15 1M3 BASE OIL DF1

Drlg Gas: 250	Max Gas: 740	Conn Gas: 460	Trip Gas: 0	Trip Cl:	Remarks: DRILLED SMALL FRACTURE @ 2025M

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: 221.56 m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 141.8 Hours Since Last Inspection: 141.8

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
2049.1	3.40	59.50	N59.50E	2042.0	83.77 N	104.59 E	133.41	0.38
2058.7	3.50	61.70	N61.70E	2051.6	84.05 N	105.09 E	133.99	0.52
2077.8	3.70	75.60	N75.60E	2070.7	84.48 N	106.2 E	135.15	1.41
2087.4	3.90	79.30	N79.30E	2080.3	84.62 N	106.82 E	135.75	0.98

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
7.25	0000-0715 DRILL 311MM HOLE WITH MOTOR FROM 1985M TO 2026M	
0.25	0715-0730 RIG SERVICE - FUNC TOP PIPE RAMS C/O 6 SEC	
0.50	0730-0800 ACCUMULATED SURVEYS: 1972.5M, DEV=3.8 DEG, AZM=62.8 - 2001.2M, DEV=3.7, AZM=56.1	
0.75	0800-0845 DRILL 311MM HOLE WITH MOTOR TO 2030M	
0.25	0845-0900 FLOW CHECK WELL DUE TO GAS SPIKE FROM DRILLING BREAK @ 2025M	
0.25	0900-0915 SAFETY OPERATIONS MEETING	
2.50	0915-1145 DRILL 311MM HOLE WITH MOTOR TO 2045M	
0.25	1145-1200 BOP DRILL & FIRE DRILL W/ DAYLIGHT CREW - WELL SECCURE, CREW IN POSITION 63SEC	
7.00	1200-1900 DRILL 311MM HOLE WITH MOTOR TO 2085M	
0.25	1900-1915 RIG SERVICE - FUNC ANNULAR C/O 14 SEC	
0.75	1915-2000 ACCUMULATED SURVEYS: 2030M, DEV=3.4, AZM=63.6 - 2049.1M, DEV=3.4, AZM=59.5 - 2058.7M, DEV=3.5, AZM=61.7	
0.50	2000-2030 BOP/FIRE DRILL W/ NIGHT CREW, WELL SECURE 90SEC. SAFETY/OPERATIONS MEETING	
3.00	2030-2330 DRILL 311MM HOLE WITH MOTOR TO 2114M	
0.25	2330-2345 RIG SERVICE - FUNC BOTTOM PIPE RAMS C/O 6 SEC	
0.25	2345-2400 ACCUMULATED SURVEYS: 2077.8M, DEV=3.7, AZM=75.6 - 2087.4M, DEV=3.9M, AZM=79.3	
	-	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, COLEMAN - SAFETY DAYS @ 242

OPERATIONS @ 0600: POOH W/ BIT #9 TO CHANGE OUT BIT, TORQUED UP @ 2033M

OBJECTIVES FOR NEXT 24 HRS: POOH W/ BIT #9 WATCHING HOLE CAREFULLY, PRESSURE TEST STACK (15 DAY), & RIH W/ BIT #10

Daily Mud Cost: $ 14,190	Daily Tangible Cost:	Daily Well Cost: $ 67,107	Incidents: NONE
Cum Mud Cost: $ 300,193	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 3,480,857	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 248.0	Bulk Weight: 245.6	Neat Cement: 78.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 02-MAR-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 1985.0 m	TVD: 1985.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 36	DFS: 27	Spud Date: 02/03/99	Daily Footage: 132.0	Daily Rot Hrs: 14.5	Total Rot Hrs: 207.7	
Torq: 0	Drag: 4.0	Rot Wgt: 89.0	P/U Wgt: 93.0	Slack Off Wgt: 86.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 32
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y		
Cum Rot Hrs On Casing: 105.8	Cum Rot Hrs On Casing Since Last Caliper: 105.8	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 995	FV: 76	PV: 21	YP: 5.5	Gel: 7 / 9
WL API: 0.0 HTHP: 8.6	FC(mm) API: 0.0 HTHP: 1.0	Solids: 9.00	% Oil: 82.00	%Water: 18.00	% Sand:	MBT: 0.0	Ph: 0.00
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 24	Bent:	Solids %HG/LG: / 28.00	%DS/Bent: 72.0 / 0.0

35 40KG BARITE 20 25KG LIME 1 208LTR VERSA HRP 40 22KG VG-69 20 1M3 BASE OIL DF1

Drlg Gas: 71	Max Gas: 230	Conn Gas:	Trip Gas: 0	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: 221.56 m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/HOS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 113.8 Hours Since Last Inspection: 113.8

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
1886.2	4.40	72.30	N72.30E	1879.5	79.43 N	94.74 E	122.80	0.25
1915.0	4.20	73.30	N73.30E	1908.2	80.07 N	96.8 E	124.88	0.23
1943.8	3.70	70.90	N70.90E	1936.9	80.68 N	98.69 E	126.79	0.55
1953.3	3.80	70.40	N70.40E	1946.4	80.88 N	99.28 E	127.39	0.33

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
3.25	0000-0315 DRILL 311MM HOLE W/ MOTOR FROM 1853 TO 1873M
0.25	0315-0330 RIG SERVICE - FUNC BOTTOM PIPE RAMS O/C 6 SEC
4.25	0330-0745 DRILL 311MM HOLE WITH MOTOR TO 1895M
0.25	0745-0800 SURVEY @ 1857.5M, ANGLE 4.5 DEG, AZM 69.9
7.25	0800-1515 DRILL 311MM HOLE TO 1937M WITH MOTOR
0.25	1515-1530 RIG SERVICE - FUNC ANNULAR C/O 16 SEC
0.50	1530-1600 ACCUMULATED SURVEYS - 1886.2M, DEV 4.4 DEG, AZM 72.3 - 1915M, DEV 4.2, AZM 73.3
0.75	1600-1645 DRILL 311MM HOLE WITH MOTOR TO 1942M
0.25	1645-1700 SAFETY / OPERATIONS MEETING
2.25	1700-1915 DRILL 311MM HOLE WITH MOTOR TO 1959M
0.25	1915-1930 RIG SERVICE - FUNC TOP PIPE RAMS C/O 6 SEC
4.00	1930-2330 DRILL 311MM HOLE WITH MOTOR TO 1985M
0.50	2330-2400 ACCUMULATED SURVEYS - 1943.8M, DEV 3.7 DEG, AZM 70.9 - 1953M, DEV 3.8 DEG, AZM 70.4
	-
	- NOTE: ADJUSTMENT MADE IN RIG BOILER COST $10,000
	-
	-
	-

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, COLEMAN - SAFETY DAYS @ 241

OPERATIONS @ 0600: DRLL AHEAD IN 311MM HOLE @2015M. ROP=7M/HR

OBJECTIVES FOR NEXT 24 HRS: DIR DRILL IN 311MM HOLEW/ BIT #9 W/ 14-15 DAN, 100RPM & 2.3M3/MIN. HOLDING ANGLE @ 3-4 DEG TO TARGET.

Daily Mud Cost: $ 14,814	Daily Tangible Cost:	Daily Well Cost: $ 82,372	Incidents: NONE
Cum Mud Cost: $ 258,902	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 3,176,942	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 248.0	Bulk Weight: 245.6	Neat Cement: 27.0 Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No: 300K29603012	AFE No: RWNC-R8029-400	Date: 01-MAR-99	Page: 1 Of 1	

CHEVRON (metric) **Drilling Activity Report**

Measured Depth: 1853.0 m	TVD: 1853.0 m												
DOL: 25	DFS: 26	Spud Date: 02/03/99											
Torq: 0	Drag: 7.0	Rot. Wgt: 86.0	P/U Wgt: 88.0										
Last Casing Size: 339.7 mm	Set At: 700.3 m MD	700.3 m TVD											
Cum Rot Hrs On Casing: 91.3													
Liner Size: 0.0	Set At: 0.0 MD	0.0 TVD											
Mud Co: MD DRILLING FLUIDS													
Wt:													
Drlg Gas: 100	Max Gas: 320	Conn Gas:	Trip Gas: 0	Trip Cl:	Remarks:								

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
8	537	311.1	STC	725280	GF20J	19/19/19/ /	0.00	1518.0 m	1820.0 m	1820.0 m
9	517	311.1	HC	HC GFHM	GF-1420	19.0/19.0/17.5/ /	0.00	1820.0 m		

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	Pull	Cost/m
302.0	42.0	10.0/12.0	90 / 110	8	8	CT	MT	F	3.5	SD	TQ	$ 670.22
20.0	6.5	12.0/14.0	100 / 110									$ 2169.77

Total Length of BHA: 221.46 m BHA Description: BIT/8"-SLK MOD/7 1/4"-SLM/4.1MM/TDS/MONEL/5-8"DC/8"-JAR/3-8"DC/X/O-SUB/12-6" HWDP

Hrs On Jars: 99.3 Hours Since Last Inspection: 99.3

Bit Num	Liner	Stroke	SPM	Press.	SP/Min	Jet Vel	HP/In²	DP/In²	BHA HP	SHEP/SQIN	Pump HP
8	152 / 152 / 152	254.0/254.0/254.0	93/ /95	12500	2.52	49.04	38.59	68.34	55.00	0.5	526.19
9	152 / 152 / 152	236.0/236.0/254.0	85/ /86	12500	2.27	46.01	31.75	63.57	45.60	0.4	474.00

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
1819.1	4.00	59.60	N59.60E	1812.7	77.45 N	89.85 E	117.63	0.89
1838.3	4.50	67.60	N67.60E	1831.8	78.15 N	91.24 E	119.18	1.11
1857.5	4.50	69.60	N69.60E	1850.9	78.7 N	92.64 E	120.65	0.25

Hours	Activity - 701 Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
3.50	0000-0330 DRILL 311MM HOLE W/ BIT #8. REACHED SPINES AND REACHED BR. @ 1820M	
0.25	0330-0345 RIG SERVICE. MOM TFR: O/C - 5 HRS	
1.00	0345-0445 CIRC UP BOTTOM HOLE SAMPLE AND PREPARE TO POOH W/ BIT #8	
5.00	0445-0945 POOH W/ BIT #8, FLOW CHECKING AS REQ'D.	
0.25	0945-1000 RIG SERVICE. MOM HR'S: O/C - 6HRS	
2.25	1000-1215 CHECK HRD AND L/D BIT #8 (UNDERGAUGE 3.5 AND EXTENSIVE SPAWL WEAR AND CORE DEGRADATION). P/U BIT #9 GF-20H	
2.25	1215-1430 RIH TO 1780M. SURFACE TEST MWD - OK. NO HOLE PROBLEMS ON TRIP	
0.75	1430-1515 SLIP AND CUT 18M	
0.25	1515-1530 RIG SERVICE. MOM HR'S: O/C - 6 HRS	
0.25	1530-1545 SAFETY MEETING W/ NIGHT CREW	
1.25	1545-1700 WASH/REAM TO BTM. FILL UNDERGAUGE HOLE @ 1818M. REAM SLOWLY TO BTM @ 1820M.	
6.50	1700-2330 DRILL 311MM HOLE FROM 1820-1853M W/ BIT #9 AND SLICK MOTOR ASSBLY (2.2 DEG BENT HOUSING)	
0.25	2330-2345 RIG SERVICE. MOM AVERAGE: O/C - 14 HRS	
0.25	2345-2400 SURVEY @ 1819M (4.0 DEG, 59.6 AZM)	
	-	
	-	
	-	
	-	

Remarks:
PTSC DRILL WELL GROUND AND INSPECTION WORK, LIFTING, COLLAR - SPIRIT DATS @ 240
CHEMICALS @ 0800: DRLG AHEAD IN 311MM HOLE @1820M. MOM-5.94/HR
WORKING FOR MORE 24 HRS: DRK DRILL AN 311MM HOLE/ BIT #9 W/ [illegible], 100mm x 1.3CA/REV. EXPECTED FORMATION CHANGE @ 1900M

Daily Mud Cost: $ 30,363	Daily Tangible Cost:	Daily Well Cost: $ 104,901	Declination: MOM
Cum Mud Cost: $ 271,189	Cum Tangible Cost: $ 14,502	Cum Well Costs $ 3,346,419	Total Appr: $ 11,205,438
Drill Water:	Potable Water:	Fuel: 254.0	Bulk Weight: 267.0
Country: CANADA	Rig: MOTA 249	Rig Phone: 403-284-2119	Drilling Rep:
Field: pr. tram	Lease: PEMBINA EP AL PR. TRAM 16-99	Well No: MDH 856	Well ID: CN0008 -0

02/28/99

CHEVRON

DAILY DRILLING REPORT (Metric)

OPERATOR STATUS: OP
28-FEB-99 OPERATIONS
WESTERN CANADA

EXPLORATORY WELL

COUNTRY: CANADA
LEASE: CHEVRON ET AL FT. LIARD K-29
FIELD: FT. LIARD
RIG: AKITA #48
WELL NAME: CHEVRON ET AL FT LIARD
MUD WT: 985
CURR DAYS: 35
CHEVNO: CR0008-0
CUR MD: 1853.0m
APP DAYS:
CHEVRON SHARE: 62.00
APP MD: 2978.0m
COST TO DATE: $ 3,346,419
AFE #: MRNC-R8029-400
CURR TVD: 1853.0m
TOTAL AUTH: $ 11,306,498
LAST SURVEY: 4.5@ 1857.5m
APP TVD: 2917.0m
CHEVRON COST: $ 2,074,780
OPERATOR: CHEVRON
WTR DEPTH:
CASING: 337.0mm@ 701.3m
PBTD: 0.0m
GEOLOGICAL OBJECTIVE:
JOB TYPE: DRILL & COMPLETE
NAHANNI

LAST 24 HOURS:
POOH W/ BIT #8. TORQUE SPIKES AND DECREASED PENETRATION RATE @ 1810M. BIT 3.5MM UNDERGAUGE AND EXTENSIVE SHANK WEAR AND CONE INTERFERENCE. P/U BIT #9 (GT-M20) AND SAME SLICK MOTOR ASSELY (W/ 2.2 DEG BENT HOUSING. SURFACE CHECK THE MWD WHILE RIH: OK!. REAM/WASH THE LAST STAND IN. SIT UNDERGAUGE HOLE @ 1819M. REAM CAREFULLY TO BTTM AND WORK BITS TO MOVE BUTTONS OFF BTTM. DRILL AHEAD IN 311MM HOLE W/ BIT #9: 12-14DAN, 100REM & 2.3M3/MIN. SURVEY AS REQ'D TO KEEP DEVIATION AND DIRECTION IN CHECK SO THAT WE WILL HIT THE TARGET HOLD ANGLE @ APPROX 4 DEG. SLIDING 3-5M AS REQUIRED TO MAKE CORRECTIONS

PRESENT OPERATIONS:
OPER @ 6:00: DRILL AHEAD IN 311MM HOLE @ 1889M W/ BIT #9. ROP=5.5M/HR 12-14DAN, 100RPM, 2.3M3/MIN

CHEVRON — **Detail Drilling Activity Report**

Measured Depth: 1893.0 m	TVD: 1803.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m									
DOL: 34	DES: 25	Spud Date: 02/03/99	Daily Footage: 189.0	Daily Rot Hrs: 21.8	Total Rot Hrs: 231.7								
Torq: 0	Drag: 2.0	Rot Wgt: 85.0	P/U Wgt: 97.0	Slack Off Wgt: 83.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	Wth: 32					
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1987 EMW	Leakoff? Y									
Cum Rot Hrs On Casing: 01.3	Cum Rot Hrs On Casing Since Last Caliper: 87.3	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 985	FV: 65	PV: 18	YP: 4.5	Gel: 6 / 7						
WL: API: 0.0	HTHP: 1.0	HC (mm)	PV: 1.0-0	HTHP: 0.0	Solids: 8.00	% Oil: 82.00	Water: 18.00	% Sand:	MBT: 0.0	Ph: 0.00			
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Chlr:	Cl: 600	Ca: 25	Rheo:	Solids HRS/LGS	/ 28.00	MBM/Rheo: 72.0 / 0.0					
20	25MG LDHA	1	1994 DETERGENT	2	25MG CA CHLORIDE	32	1LTR INVERT-CORRECTION1	20MLSN VERSA HRP					
40	22MG VG-69	4	19LTRUBRA-KLEAN										
Drlg Gas: 100	Max Gas: 330	Conn Gas:	Trip Gas: 0	Trip Cl:	Remarks:								

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
8	337	311.1	SHC	726200	GS66F	18/18/18/18/ / / / /	0.69	1510.0 m		
							0			

Motors	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	Pull	Cost/m
788.0	38.5	10.0/12.0	90 / 110									$ 470.31
		/	/									

Total length of BHA: 221.56 m BHA Description: BIT/8"-SLK MTR/FLOAT-SUB/MONEL/NMS/MONEL/5-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-8"
HWDP

Hrs On Jars: 89.3 Hours Since Last Inspection: 89.3

Bit Nos	Liner	Stroke	SPM	Press.	Vel/Min	Jet Vel	TF Av	DC Av	Bit Jet	HHP/MIN	Pump HP
8	152 / 152 / 152	235.0/ 235.0/ 254.0	88/ / 95	12500	2.92	49.32	38.59	68.34	85.30	0.5	526.10
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
1733.0	4.80	74.30	N74.30E	1726.9	73.75 N	83.85 E	110.57	1.42
1752.2	5.10	63.40	N63.40E	1746.0	76.3 N	86.29 E	112.09	1.97
1780.9	4.60	50.90	N50.90E	1774.6	78.6 N	87.33 E	114.50	1.22
1790.4	4.70	49.40	N49.40E	1784.1	76.09 N	87.92 E	115.27	0.50

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
7.25	0000-0715 DRILL 311MM HOLE FROM 1614-1642M W/ BIT #8 AND SLICK MOTOR ASSEMBLY. 10-12KPM, 110RPM AND 2.5KN/MM. ROP=7-9M/HR	
0.25	0715-0730 RIG SERVICE. FOR TRP'S: O/C - 5 SECS	
0.40	0730-0800 SURVEY TIME	
11.00	0800-1900 DRILL 311MM HOLE FROM 1685-1780M. ROP=7-9M/HR	
0.25	1900-1915 RIG SERVICE. FOR ANNULAR: O/C - 16 SECS	
0.75	1915-2000 SURVEY TIME	
3.25	2000-2315 DRILL 311MM HOLE FROM 1780-1893M. ROP=5-7M/HR.	
0.25	2315-2130 RIG SERVICE. FOR BOP'S: O/C - 5 SECS	
0.50	2130-2400 SURVEY TIME	

Remarks:
FINAL DRILL WITH MOTOR AND INSPECTION MTRS, LAYING DOWN - SAFETY MTG @ 23:

OPERATIONS @ 0600: POOH W/ BIT #8. DECREASED WB AND TORQUE STROKE. LAST SURVEY: 1790.4M (4.70DEG, 49.40AZM)

OBJECTIVES FOR NEXT 24 HRS: RIH W/ NEW BIT AND SLICK MOTOR ASSEMBLY AND TEN DRILL IN 311MM HOLE. EXPECTED FORMATION CHANGE: @ 1840M

Daily Mud Cost: $ 9,470	Daily Tangible Cost:	Daily Well Cost: $ 77,135	Incidents: NONE:
Cum Mud Cost: $ 260,826	Cum Tangible Cost: $ 14,302	Cum Well Cost: $ 1,241,518	Total Approx $ 11,306,488
Drill Water:	Potable Water:	Fuel: 221.0	Bulk Weight: 247.0 Heat Content: 27.0 Blended:
Country: CANADA	Rig: PATTA #48	Rig Phone: 403-284-2119	Drilling Rep: MYERS/KUNKEL
Field: FT. LIARD	Lease: CHEVRON FT AL FT. LIARD H-70	Well No: WD06.816	Well ID: CH0000 -0

02/27/99

CHEVRON

DAILY DRILLING REPORT (Metric)

OPERATOR STATUS: OP
27-FEB-99 OPERATIONS
WESTERN CANADA

EXPLORATORY WELL

COUNTRY: CANADA
LEASE: CHEVRON ET AL FT. LIARD K-29
FIELD: FT. LIARD
RIG: AKITA #40
WELL NAME: CHEVRON ET AL FT LIARD
MUD WT: 985
CURR DAYS: 34
CHEVNO: CR0008-0
CUR MD: 1803.0m
APP DAYS:
CHEVRON SHARE: 62.00
APP MD: 2978.0m
COST TO DATE: $ 3,241,518
AFE #: RWNNC-R8029-400
CURR TVD: 1803.0m
TOTAL AUTH: $ 11,306,498
LAST SURVEY: 4.7 @ 1790.4m
APP TVD: 2917.0m
CHEVRON COST: $ 2,009,741
OPERATOR: CHEVRON
WTR DEPTH:
CASING: 337.0mm@ 701.3m
PBTD: 0.0m
GEOLOGICAL OBJECTIVE:
JOB TYPE: DRILL & COMPLETE
MAHAKNI

LAST 24 HOURS:
DRILL AHEAD IN 311MM HOLE FROM 1614-1820M W/ BIT #8 AND SLICK MOTOR ASSBLY. 10-12 DAN,110RPM AND 2.5M3/MIN. ROP~7-9M/HR. SLIDING 3-4M AND ROTATING THE REST OF THE STAND DOWN. ASSEMBLY HOLDING ANGLE AND INCLINATION WITH MINOR DIRECTIONAL CORRECTIONS PER STAND. INCREASE IN DRILL AND TORQUE SPIKES @ 1800M. EXPECTED FRACTURES CAME IN APPROX 100M HIGH. NO HOLE PROBLEMS WITH PRESSURED SHALES AS OF YET.

PRESENT OPERATIONS:
OPER @ 6:00: POOH W/ BIT #8 AS A RESULT OF DECREASED PENETRATION RATE AND THE INCREASED FREQUENCY OF TORQUE SPIKES. DIR DRILLER HAVING DIFFICULTY

CHEVRON

Detailed Drilling Activity Report

Measured Depth:	1614.0 m	TVD:	1614.0 m	PBTD:	0.0	Proposed MD:	2978.0 m	Proposed TVD:	2977.0 m						
DOL:	33	DFS:	24	Spud Date:	02/03/99	Daily Footage:	96.0	Daily Rot Hrs:	16.8	Total Rot Hrs:	210.0				
Temp:	0	Temp:	2.0	Wt: Wgt:	81.0	P/U Wgt:	83.0	Slack Off Wgt:	79.0	Mud:		Gas:	0.0 / 0.0	Bar:	0
Last Casing Size:	339.7 mm	Set At:	701.30 MD	701.30 TVD	Shoe Test:	1317 EMW	Leakoff?	Y							
Gas Not Hrs On Casing:	58.5	Gas Rot Hrs On Casing Since Last Caliper:			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:	MT DRILLING FLUIDS	Type:	HYDRO. OIL PAPER	Sample From:	FLOW	PH:	8.1	Fl:	38	Pv:	14	Yp:	4.0	Gel:	3 / 4
Wt:	API: 0.0	HTHP: 1.0	Pf (mm)	API: 0.0	HTHP: 0.0	Solids:	8.00	% Oil:	82.00	Water:	18.00	% Sand:		MBT:	0.0
Ca:	0.000	Pm/Mf:	0.00 / 0.00	Cmb:	Cl:	650	Ca:	24	Sort:		Solids GRS/LG:		/ 23.00	ROP/Bit:	77.0 / 0.0
20	40MM BARITE	70	ULTRAMAR/CREMOLION 10	1NS PASH OIL DF1											
Trip Gas:	0	Max Gas:	0	Conn Gas:		Trip Gas:	0	Trip Ch:		Remarks:					

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
8	537	311.1	SEC	725280	GF8G	19/19/19/ / / /	0.660	1518.0 m		

Hours	Meters	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	Pull	Cost/m
96.0	15.8	8.0/12.0	90 / 110									$ 828.67

Total Length of BHA: 221.46 m BHA Description: 311/8" SLK MSR/FLOAT SUB/MONEL/NCS/MONEL/3-9"DC/9"-XO/3-9"DC/XO-5"X1/12-5"

HWDP

Hrs On Jars: 68.8 Hours Since Last Inspection: 60.0

Bit Nos	Liner	Stroke	SPM	Press.	KG/Min	Jet Vel	DP Av	DC Av	Bit Jet	DHPP/FCIN	Hhp Jet
8	152 / 152 / 152	235.0/ 236.0/ 254.0	120/ / 95	12500	2.58	50.79	39.59	70.07	59.00	0.5	539.50

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
1541.4	7.30	59.70	N59.70E	1536.0	66.17 N	69.62 E	94.53	3.80
1570.2	6.30	58.70	N58.70E	1564.6	67.96 N	72.52 E	97.94	1.10
1598.9	5.60	52.20	N52.20E	1593.1	69.08 N	74.94 E	100.91	0.88
1627.6	5.20	60.20	N60.20E	1621.7	71.19 N	77.18 E	103.60	0.89

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
1.25	0000-0115 RIH TO 1400M. SURPACE 1527 MWD AND MOTOR. OK!	
4.00	0115-0515 WASH IN SLOWLY TO 1510M WORK STRING TAKES WEIGHT. WASH IN SLOWLY AND CAREFULLY FROM 1514-1518M	
3.00	0515-0815 DRILL 311.1MM HOLE FROM 1518-1528M W/ BIT #8 (GEOMAF) W/ 10M RPM AND MT.	
0.25	0815-0830 SURVEY @ 1512.7 (6.9 DEG. 55 AZM), 1501.5 (9.2DG, 52.6AZM)	
0.25	0830-0845 RIG SERVICE: FOR TPR'S, O/C - 6 SECS	
0.50	0845-1345 DRILL [illegible]	
0.50	1345-1445 SURVEY @ 1541 (7.3DEG, 59.7AZM)	
0.25	1445-1500 RIG SERVICE. FOR BPR'S: O/C - 6 SECS	
8.25	1500-2315 DRILL AHEAD IN 311MM HOLE FROM 1556-1614m, W/ 10-12MM, 100RPM AND 7.8GAMM. ROP-7-8M/HR	
0.25	2315-2330 RIG SERVICE. FOR ANNULAR: O/C - 16SECS.	
0.50	2330-2400 SURVEY TIME	
	-	
	-	
	-	
	-	
	-	
	-	
	-	

Remarks:
MWD DAILY WORK (MAIN) AND INTERACTION MODES, 1.0/MAIN, COMMON - PARITY ERRS @ 238

OPERATIONS @ 0600: DRILL AHEAD IN 311MM HOLE W/ BIT #8 AND BLACK MOTOR ASSEMBLY

OBJECTIVES FOR NEXT 24 HRS: DIR DRILL IN 311MM HOLE W/ BIT #8 (GREEN) AND BLACK MOTOR ASSEMBLY, CONTINUE MONITORING THE INCLINATION

Daily Mud Cost:	$ 7,268	Daily Tangible Cost:		Daily Well Cost:	$ 95,828	Incidents:	NONE
Cum Mud Cost:	$ 251,356	Cum Tangible Cost:	$ 14,582	Cum Well Cost:	$ 3,157,845	Total Appr:	$ 13,306,438
Drill Water:		Potable Water:		Fuel:	718.0	Bulk Weight:	247.0
Mud Cement:	27.0	Tended:					
Country:	CANADA	Rig:	[illegible] 849	Rig Phone:	403-284-2119	Drilling Rep:	[illegible]
Field:	[illegible]	Lease:	CHEVRON ET AL, FT. [illegible]	Well No:	[illegible]	Well ID:	CR0000 -0

02/26/99

CHEVRON

DAILY DRILLING REPORT (metric)

OPERATOR STATUS: OP
26-FEB-99 OPERATIONS
WESTERN CANADA

EXPLORATORY WELL

COUNTRY: CANADA
LEASE: CHEVRON ET AL FT. LIARD K-29
FIELD: FT. LIARD
RIG: AKITA #48
WELL NAME: CHEVRON ET AL FT LIARD
MUD WT: 971 CURR DAYS: 33
CHEVNO: CR0008-0
CUR MD: 1614.0m APP DAYS:
CHEVRON SHARE: 62.0%
APP MD: 2978.0m COST TO DATE: $ 3,157,845
AFE #: RWWNC-R8029-400
CURR TVD: 1614.0m TOTAL AUTH: $ 11,306,498
LAST SURVEY: 5.2 @ 1627.6m
APP TVD: 2917.0m CHEVRON COST: $ 1,957,864
OPERATOR: CHEVRON
WTR DEPTH:
CASING: 337.0mm@ 701.3m
PBTD: 0.0m
GEOLOGICAL OBJECTIVE:
JOB TYPE: DRILL & COMPLETE
MAHAMNI

LAST 24 HOURS:
RIH W/ BIT #8 AND SLICK MOTOR ASSBLY. SURFACE CHECK MOTOR AND MWD, OK! WASH IN SLOWLY UNTIL THE STRING TAKES WEIGHT @ 1514M. REAM FROM 1514-1518M W/ LOW WEIGHT AND RPM. PUSH ASIDE BUTTONS ON BOTTOM. NO APPARENT DAMAGE TO BIT DRILL 311MM HOLE FROM 1518-1529M W/ LOW WT AND RPM UNTIL THE BIT IS THRU HARD FORMATION. SURVEY EVERY STAND DOWN. DRILL AHEAD W/ 10-12DAN AND 100RPM & 2.6M3/MIN ONCE THRU THE HARDER SECTION. ROP=9M/HR. SLIDE 6-7M. INCLINATION COMING BACK @ 0.5-1 DEG/30. POSSIBLE FRACURES AT 1900M, DRILLING RATE SHOULD INCREASE AT 1950M ONCE INTO THE SOFTER SHALES

PRESENT OPERATIONS:
OPERS 5:00:DRILL AHEAD IN 311MM HOLE @ 1671M W/ BIT #8 AND SLICK MOTOR ASSBLY

CHEVRON

Daily Drilling Activity Report

Measured Depth: 2518.0 m	TVD: 1518.0 m	MWD: 0.0	Proposed MD: 2970.0 m	Proposed TVD: 2397.0 m			
DOL: 32	DFS: 23	Spud Date: 02/03/99	Daily Footage: 84.0	Daily Rot Hrs: 8.0	Total Rot Hrs: 190.2		
Temp: 0	Drag: 2.0	Rot Wgt: 80.0	P/U Wgt: 82.0	Slack Off Wgt: 78.0	Mtr:	Bent: 0.0 / 0.0	Bit: 0 / PDC: 31
Last Casing Size: 339.7 mm	Set At: 701.3 m MD	701.3 m TVD	Shoe Test: 1317 EMW	Leakoff? Y			
Cum Rot Hrs On Casing: 59.5	Cum Rot Hrs On Casing Since Last Caliper:	Depth Meast Meas:	% Remaining:				
Liner Size: 0.0	Set At: 0.0 MD	0.0 TVD	Liner Top At: 0.0 MD	0.0 TVD			

Mud Co: HA DRILLING FLUIDS | Type: DEMUL CGL BASED | Sample From: FLOW | Wt: 1.20 | FV: 57 | PV: 15 | YP: 3.0 | Gel: 3 / 4

pH	API: 0.0	HTHP: 1.0	PC (mm)	API: 0.0	HTHP: 0.0	Solids: 0.00	% Oil: 82.00	Water: 18.00	% Sand:	MBT: 0.0 / Pm: 0.00
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carbs	Cl: 600	Ca: 24	Bent:	Solids HGS/LGS: / 27.00	HGS/Bent: 0.0 / 0.0			

50 40KG BARITE 25 25KG LIME

Drlg Gas: 0	Max Gas: 0	Conn Gas:	Trip Gas: 0	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
7RR-1	637	311.1	HTC	XL5158	7TPX13H	22.2/22.2/19.1/0.0/0.0	1061	1432.0 m	1518.0 m	1518.0 m
8	537	311.1	SEC	726290	08PGF	19.1/19.1/19.1/ /	860	1518.0 m		

Metres	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	Pull	Cost/m
86.0	8.0	7.0/11.0	120 / 150	8	8	NO	NO	8	8	RG	PR	$ 532.94
0.0	0.0	/	/									0.00

Total Length of BHA: 221.54 m | BHA Description: HOT/8"-SLK MTR/FI CPT-BSR/6"DCSL/NMDC1/NMDC2/5-8"DC/5"-JAR/3-8"DC/X/O-SUB/12-5"

BHP

Hrs On Jars: 52.0 | Hours Since Last Inspection: 52.0

Bit Num	Liner	Stroke	SPM	Press.	MG/Min	Jet Vel	DP Av	DC Av	BH Av	HHP/SQIN	Pump HP
7RR-1	152 / 152 / 152	235.0/235.0/254.0	95/ /100	13500	2.59	60.87	39.72	74.56	39.10	0.3	584.40
8	152 / 152 / 152	235.0/235.0/254.0	/ /		0.00	0.00	0.00	0.00	0.00	0.0	0.00

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
1436.1	12.00	62.90	N62.90E	1432.1	56.39 N	58.32 E	77.20	0.19
1458.3	10.90	56.70	N56.70E	1450.9	58.3 N	59.63 E	80.01	2.58
1484.0	9.20	60.80	N60.80E	1479.2	61.24 N	61.66 E	82.60	7.07

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight.	Total Hours Reported: 24.0
4.00	0000-0400 TOOH W/ BIT #6 (IDC) AND SPER. MOTOR. FLOW CHECKING AS REQUIRED	
2.00	0400-0600 CHANGE OUT MWD AND TAKE STABILIZER OFF THE MOTOR AND REPLACE W/ A SLICK ASSBLY. INCREASE ANGLE IN HOLE	
	- HOLDING TO 2.2 DEG. P/U BIT #7 RR (RR#13)	
2.75	0600-0845 RIH W/ BIT #7 RR AND SLICK ASSBLY. TEST MOTOR AND MWD AT SURFACE: OK. BREAK CIRCULATION AND WASH THE LAST	
	- STAND TO BOTTOM: NO FILL.	
0.25	0845-0900 RIG SERVICE. HR'S: O/C - 5 SECS	
0.25	0900-0915 HOLD BOP/ FIRE DRILL W/ INT CREW. WELL SECURE IN 50 SECONDS. CHECK FIRE EXT. EQUIPMENT	
7.50	0915-1645 DIR DRILL W/ BIT #7 RR AND SLICK ASSBLY FROM 1432-1518M W/ 9-10KPM, 120-140RPM AND 2.7 MO/MIN. ROP-15-35M/HR.	
	- GOOD CONTACT OF TOOL FACE. SLIDE 8M AND ROTATE 8M PER STAND.	
0.50	1645-1715 SURVEY TIME	
0.75	1715-1800 PUT MARKER STALE @1500M AND HIT THORSTON, MERLESTON AND PIRITE SECTION @ 1514M. PR REDUCED TO 1.5-2.0M/HR.	
	- CIRC BTMS UP AND PREPARE TO BOOH	
0.50	1800-1830 RIG SERVICE. FOR ANNULAR: O/C - 15 SECS	
3.75	1830-2200 POOH W/ BIT #7 RR. FLOW CHECKING AS REQUIRED	
1.00	2200-2300 BIT # 7 MISSING BUTTONS AND GAUGE UNDERGAUGE. P/U BIT #8 (08PGF) 537. INSPECT MWD	
0.75	2300-2345 RIH W/ BIT #8 AND SLICK MOTOR ASSBLY.	
0.25	2345-2400 RIG SERVICE. FOR BR'S: O/C - 5 SECS	

Remarks:
FROM DAILY WALK AROUND AND INSPECTION MORNI, LIUDAS, COLMAN - NO ACT DAYS @ 237
OPERATIONS @ 0600: ROM 311MM UNDERGAUGE HOLE TO BTMM @ 1518M
OPERATIONS FOR NEXT 24 HRS: RIH DRILL IN 311MM HOLE W/ BIT #8 (08PGF) AND SLICK MOTOR ASSBLY, CAREFULLY MONITORING THE INCLINATION.

Daily Mud Cost: $ 727	Daily Tangible Cost:	Daily Well Cost: $ 64,481	Incidents: NONE
Cum Mud Cost: $ 244,808	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 3,094,570	Total Appr: $ 11,316,428

Drill Water:	Potable Water:	Fuel: 233.0	Bulk Weight: 247.0	Bent Cement: 27.0	Blended:	
Country: CANADA	Rig: PATTERSON 440	Rig Phone: 403-284-2119	Drilling Rep: MORRI/LUTHER			
Field: FT. LIARD	Lease: PARTNER FT AL FT. LIARD K-24	Well No: HEDN1816	Well ID: 000008 -0			

02/25/99

CHEVRON

(Metric) Drilling Activity Report

Measured Depth:	1432.0 m	TVD:	1432.0 m	PBTD:	0.0	Proposed MD:	2978.0 m	Proposed TVD:	2927.0 m		
DOL: 31	DMS: 22	Spud Date: 02/03/99		Daily Footage: 83.0		Daily Rot Hrs: 10.8		Total Rot Hrs: 105.2			
Torq: 0	Drag: 2.0	Rot Wgt: 74.0	P/U Wgt: 76.0	Slack Off Wgt: 72.0		Wind:	Seas: 0.0 / 0.0	Bar: 0	HOD: 31		
Last Casing Size: 339.7 mm		Set At: 701.3m MD		701.3m TVD		Shoe Test: 1317 EMW		Leakoff? Y			
Cum Rot Hrs On Casing: 99.5		Cum Rot Hrs On Casing Since Last Caliper:				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: M DRILLING FLUIDS		Type: DIESEL OIL BASED			Sample From: FLOW	Wt: 971	FV: 58	PV: 14	YP: 4.5	Gel: 4 / 5	
Wt.	API: 0.0	HTHP: 1.0	FC (mm)	API: 0.0	HTHP: 0.0	Solids: 26.00	% Oil: 82.00	Water: 18.00	% Sand:	MBT: 0.0	LGS: 0.00
Pm: 0.000	Pf/Mf: 0.00 / 0.00		Carb:	Cl: 650		Ca: 21	Hard:	Solids HG/LG:	/ 46.00	KCl/Bank: 54.0 / 0.0	

15 40KG BARITE 25 25KG LIME 310 LITR DRILLING DETERGENT 45 LTR BASE OIL DF3

Drlg Gas:	Max Gas: 0	Conn Gas:	Trip Gas: 0	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
6RR-1	FMC	311.1	HYC/RT	184392	DS120H	0.0/0.0/0.0/0.0/0.0	1551.0	1349.0 m	1432.0 m	1432.0 m

Motors	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	Pull	Cost/m
83.0	10.8	0.0/4.0	120 / 157									$ 726.02

Total Length of BHA: 221.55 m BHA Description: BIT/8"-MOTOR/1.0DT-SUB/MONEL/NOS/M.NEL/5-9"DC/JARS/3-9"DC/X/O-DUB/12-5" HWDP

Hrs On Jars: 44.0 Hours Since Last Inspection: 44.0

Bit Num	Liner	Stroke	SPM	Press.	MM/Min	Jet Vel	DP AV	DC AV	Bit HM	HSPP/SQIN	HHP/IN
6RR-1	152 / 152 / 152	235.0/ 235.0/ 254.0	90/ / 90	13500	2.39	25.76	36.55	67.97	14.20	0.1	538.40

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
1380.1	9.80	62.50	N62.50E	1385.0	52.04 N	46.97 E	67.85	2.11
1397.7	10.50	61.00	N61.00E	1394.5	52.83 N	48.47 E	69.52	2.22
1407.3	11.30	62.20	N62.20E	1403.9	53.68 N	50.07 E	71.38	2.51
1416.9	11.90	62.60	N62.60E	1413.3	54.57 N	51.78 E	73.25	1.09

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
3.00	0000-0300 SET TOOL FACE. DRILL AHEAD F 1349 M TO 1380M. SLIDE 3-4 M PER STANDS.
1.00	0300-0400 ATTEMPT TO SURVEY W/ MWD TOOL. UNABLE TO RECEIVE SURVEY AT SURFACE. TROUBLE SHOOT MWD.
0.50	0400-0430 DRILL AHEAD W/ MOTOR F/ 1380M TO 1384M.
1.00	0430-0530 ATTEMPT TO SURVEY. NO SUCCESS. TROUBLE SHOOT MWD. UNABLE TO GET MWD TOOLS WORKING.
0.25	0530-0545 RIG SERVICE. FUNCTION TEST TOP PIPE RAMS. CLOSE 4 SPM.
2.25	0545-0800 FLOW CHECK. PUMP PILL. POOH TO CHANGE OUT MWD TOOLS.
2.00	0800-1000 POOH TO MWD.
0.50	1000-1030 CHANGE OUT ELECTRONICS PACKAGE IN MWD.
0.25	1030-1045 RIG SERVICE. FUNCTION TEST BLIND RAMS
2.00	1045-1245 RIH TO 740M.
0.25	1245-1300 BOP DRILL/FIRE DRILL. SAFETY MTG.
0.25	1300-1315 TEST MWD. OK.
1.25	1315-1430 RIH TO 1369M. WASH TO BOTTOM. 3 M OF FILL.
5.00	1430-1930 DRILL AHEAD F/1384 M TO 1417M. SLIDE 5M ON EACH SINGLE. DIFFICULTIES ORIENTATING TOOL FACE
0.50	1930-2000 SURVEY AS REQUIRED. 1369M - 8.5 INC - 60.5AZM. 1388M - 9.8 INC - 62.5 AZM. 1397M - 10.5 INC - 61.0 AZM
2.50	2000-2230 DRILL AHEAD F/1384 M TO 1417M. SLIDE 5M ON EACH SINGLE.
0.50	2230-2300 SURVEYS AS REQUIRED. 1407M - 11.3 INC - 62.2AZM. 1416 M - 11.90DEG - 62.6AZM
0.50	2300-2330 CIRC AND CLEAN HOLE.

Remarks:
PICK DAILY WALK AROUND AND INSPECTION MEETING, LISTENER, COLEMAN - SAFETY HAVE # 236

CONDITION: @ 0600: RIH W/ BIT #6RR (REPAIRED) AND SLICK MOTOR ASSEMBLY

CHANGING FOR NEXT 24 HRS: POOH. REMOVE NEW BIT ADD ON MOTOR. INCREASE BENT HOUSING SETTING TO 2 DEG. P/U HW 4341 TAG CLNE BIT.

RIH DRILL AHEAD.

Daily Mud Cost: $ 30,470	Daily Tangible Cost:	Daily Well Cost: $ 87,109	Incidents: NONE
Cum Mud Cost: $ 243,361	Cum Tangible Cost: $ 38,502	Cum Well Cost: $ 3,029,879	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 250.0	Bulk Weight: 247.0	Mud Chemist: 27.0	Blended:
Country: CANADA		Rig: NATIA 848	Rig Phone: 403-204-2119	Drilling Rep: MORSH/LUDDIS	
Field: FT. LIARD		Lease: CHEVRON EP AL. FT. LIARD K-24		Well No: WID#1816	Well ID: CR0008 -0

CHEVRON Metric **Drilling Activity Report**

Measured Depth: 1432.0 m	TVD: 1432.0 m	MSTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m			
DOL: 31	DFS: 22	Spud Date: 02/03/99	Daily Footage: 80.0	Daily Rot Hrs: 10.8	Total Rot Hrs: 185.2		
Torq: 0	Drag: 2.0	Rot Wgt: 76.0	P/U Wgt: 76.0	Slack Off Wgt: 72.0	Wind:	Sons: 0.0 / 0.0	Pwr: 0
Last Casing Size: 339.7 mm	Set At: 701.3m MD 701.3m TVD	Shoe Test: 1317 EMW Leakoff? Y					
Cum Rot Hrs On Casing: 59.5	Cum Rot Hrs On Casing Since Last Caliper:	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 971	FV: 50	PV: 14	YP: 4.5	Gel: 0 / 5
WL: API: 0.0 HTHP: 1.0	FC (mm) API: 0.0 HTHP: 0.0	Solids: 26.00	% Oil: 62.00	Water: 10.00	% Sand:	MBT: 0.0	PM: 0.00
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Chrde	Cl: 650	Ca: 21	Hard:	Solids %HG/LG: / 65.00	ES/Emul: 54.0 / 0.0

Trip Gas: 0	Max Gas: 0	Conn Gas:	Trip Gas: 0	Trip Cl:	Remarks:	

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
						/ / / /	0			
						/ / / /	0			

Motors	Hours	MFR	RPM	I-Row	O-Row	DC	LOC	B	G	Char	TFA(1)	Cont/In
		/	/									
		/	/									

Total Length of BHA: 221.55 m BHA Description: PDC/8"-MOTOR/FLOAT-SUB/MONEL/NDS/MONEL/5-9"DC/JARS/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 44.0 Hours Since Last Inspection: 44.0

Bit Nos	Liner	Stroke	SPM	Press.	MG/Min	Jet Vel	DP Av	DC Av	Bit Jet	BHHP/SQIN	Hmp Bit
	/ /	/ /	/ /								
	/ /	/ /	/ /								

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	2330-2345 RIG SERVICE. FUNCTION TEST ANNULAR. CLOSE 6 SEC.
0.25	2345-2400 FLOW CHECK. PUMP PILL.

Remarks:

Daily Mud Cost: $ 30,670	Daily Tangible Cost:	Daily Well Cost: $ 87,109	Incidents: NONE
Cum Mud Cost: $ 243,263	Cum Tangible Cost: $ 16,502	Cum Well Cost: $ 3,029,879	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 250.0	Bulk Weight: 247.0	Next Cement: 27.0	Blended:
Country: CANADA	Rig: ARTIC 840	Rig Phone: 403-204-2119	Drilling Rep: MIKE/VIJUNDS		
Field: FT. LIARD	Lease: CHEVRON FT AL. FT. LIARD K-74	Well No: WEDS1816	Well ID: CR0018 -0		

CHEVRON

(Metric) Drilling Activity Report

Measured Depth: 1349.0 m	TVD: 1349.0 m	PBTD: 0.0	Proposed MD: 2918.0 m	Proposed TVD: 2917.0 m	
DOL: 30	DFS: 21	Spud Date: 02/03/99	Daily Footage: 28.0	Daily Rot Hrs: 3.0	Total Rot Hrs: 174.5
Torq: 0	Drag: 2.0	Rot Wgt: 74.0	P/U Wgt: 76.0	Slack Off Wgt: 72.0	Wind:
Joes: 0.0 / 0.0	Bar: 0	PCE: 42			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 48.0	Cum Rot Hrs On Casing Since Last Calliper:	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 971	FV: 60	PV: 15
YP: 30.0	Gel: 3 / 8				
WL: API: 0.0 HTHP: 1.0	FL: (mm) API: 0.0 HTHP: 0.0	Solids: 9.00	% Oil: 81.00	Water: 19.00	% Sand:
MBT: 0.0	Pm: 0.00	Pm: 0.00	Pf/Mf: 0.00 / 0.00	Chrl:	Cl: 650
Ca: 21	Rem:	Solids HGS/LGS: / 9.00	Oil/Demt: 0.0 / 0.0		
25 40MM PRIME	25 25MM LINE				
Drlg Line: 19	Max Gas: 25	Conn Gas:	Trip Gas: 72	Trip Cl:	Remarks:

Bit Number	IADC	Size	Manufacturer	Serial number	Type	Jets	TFA	MD In	MD Out	TVD Out
7	437	311.1	RTC	XL5158	MPX3H	22.2/22.2/22.2/ 0.0/	1154	1321.0 m	1349.0 m	1349.0 m
6 RR-1	ROC	311.1	RTC/RT	H4992	DS120	0.0/0.0/0.0/ 0.0/0.0	1591.0	1349.0 m		

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	Pull	Cost/m
28.0	3.0	3.0/13.0	150 / 200	1	1	WT	A7	E	I		BHA	$ 1227.72
0.0	0.0	/	/									0.00

Total Length of BHA: 221.55 m BHA Description: RTC/8"-MOTOR/STCBT-SUB/MONEL/IBS/MONEL/8-8"DC/9"-JAR/3-5"DC/X/O-SUB/12-6" HWDP

Hrs On Jars: 33.0 Hours Since Last Inspection: 33.0

Bit Num	Liner	Strokes	SPM	Press.	PC/Min	Jet Vel	DP Av	DC Av	Bit HP	HHP/SQIN	Hyp HP
7	152 / 152 / 152	236.0/ 236.0/ 236.0	90/ 90/100	16000	3.42	53.28	56.33	185.77	93.38	0.8	982.50
6 RR-1	152 / 152 / 152	236.0/ 236.0/ 236.0	100/ /110	16000	2.75	30.11	42.73	79.49	22.70	0.2	746.28

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
1324.0	7.75	55.00	N55.00E	1321.5	47.32 N	39.05 E	58.63	0.63

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
1.75	0000-0145 CONT'D RIH W/BIT #6 TO 1330M
3.00	0145-0445 DRILL AHEAD IN 311.1MM HOLE FROM 1330-1349M W/ BIT #7 AND MOTOR. 3-5KN, 200RPM, 2.5KO/MIN. OUT PRESS W/ MOTOR
	- ONLY 300KPA. MOTOR NOT FUNCTIONING (PRESS OUT SHOULD BE 2000-2000KPA).
0.25	0445-0500 RIG SERVICE. FOR BTM BR'S: O/C - 5 SEC
0.50	0500-0530 CIRC AND SURVEY @ 1324M (7.75DEG, 55 AZM)
0.50	0530-0600 CIRC AND PUMP PILL AND PREPARE TO POOH
2.75	0600-0845 POOH W/ BIT #7 INTO THE CASING, FLOW CHECKING AS REQ'D.
2.50	0845-1115 RIG REPAIR. REPAIR HYDRAULIC HOSE ON TOP DRIVE AND TIGHTEN UNIT FOR MUD PUMPS
0.75	1115-1200 SLIP AND CUT
3.25	1200-1515 POOH AND L/D MOTOR AND STABS AND PREPARE TO P/U DIR. TOOLS
0.25	1515-1530 RIG SERVICE. FOR BR'S: O/C - 5 SECS
4.50	1530-2000 P/U DIR TOOLS AND MU UP AND TEST MWD TOOL
3.50	2000-2330 RIH W/ TOC RA AND DIR TOOLS, FLOW CHECKING AS REQ'D
0.25	2330-2345 WASH TO BTM. NO FILL.
0.25	2345-2400 RIG SERVICE. FOR MANIFOLD: O/C - 14 SECS
	-
	-
	-

Remarks:
FULL DAILY WALK AROUND AND INSPECTION WASH, LAVERNE, COLEMAN - SAFETY TAKE 6 230
OPERATIONS @ 0600: POOH FOR FAILED MWD
OBJECTIVES FOR NEXT 24 HRS: TRIP FOR NEW MWD. RIH AND DRILL AHEAD IN 311.1MM HOLE AND CORRECT DEVIATION

Daily Mud Cost: $ 454	Daily Tangible Cost:	Daily Well Cost: $ 54,732	Incidents: NONE
Cum Mud Cost: $ 212,991	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 2,942,120	Total Appr: $ 11,326,838
Drill Water:	Potable Water:	Fuel: 269.0	Bulk Weight: 247.0
Bulk Cement: 27.0	Blended:		
Country: CANADA	Rig: ARTEX 160	Rig Phone: 403-204-2119	Drilling Rep: MERRILL/LAFRAN
Field: ST. LIBRE	Lease: CHEVRON ST AL ST. LIBRE N-24	Well No: HID01816	Well ID: CH0008 -0

02/23/99

FROM : CHEVRON PHONE NO. : 403 204 2119 Feb. 24 1999 07:05AM P01

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 1183.0 m	TVD: 1183.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 29	DFS: 20	Spud Date: 02/03/99	Daily Footage: 138.0	Daily Rot Hrs: 9.8	Total Rot Hrs: 171.5
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: 42			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 36.8	Cum Rot Hrs On Casing Since Last Caliper: 36.8	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 930	FV: 71	PV: 18
YP: 7.0	Gel: 5 / 8				
WL API: 0.0 HTHP: 1.0	FC(mm) API: 0.0 HTHP: 0.0	Solids: 6.00	% Oil: 81.00	%Water: 19.00	% Sand:
MBT: 0.0	Ph: 0.00				
Pm: 0.000	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 0	Bent:
Solids %HG/LG: / 6.00	%DS/Bent: 0.0 / 0.0				

25 40KG BARITE 50 1M3 BASE OIL DF1

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
7	437	311.1	RTC	XL5158	EHP43H	22.2/22.2/22.0/ 0.0/	1154	1321.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
0.0	0.0	/	/									0.00
		/	/									

Total Length of BHA: 214.73 m BHA Description: BIT/MOTOR/DBL-PIN

SB/BIT-SUB/MONEL/9"DC/FG-STAB/9"DC/FG-STAB/3-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5" HWDP

Hrs On Jars: 30.0 Hours Since Last Inspection: 30.0

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
7	152 / 152 / 152	235.0/235.0/254.0	/ /		0.00	0.00	0.00	0.00	0.00	0.0	0.00
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
1219.0	5.00	56.00	N56.00E	1217.1	40.97 N	29.27 E	46.97	0.91
1248.0	5.50	59.00	N59.00E	1246.0	42.39 N	31.51 E	49.62	0.59
1286.0	7.00	57.00	N57.00E	1283.8	44.59 N	35.01 E	53.76	1.20

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
3.00	0000-0300 RIH TO 680M AND BREAK CIRC. RIH TO 1095M	
1.50	0300-0430 WASH TO BOTTOM @ 1183M FROM 1095M	
3.75	0430-0815 DRILL AHEAD IN 311MM HOLE W/ BIT #5 (PDC) FROM 1183M-1274 W/ 3-5DAN, 200RPM AND 3.5M3/MIN.	
0.25	0815-0830 RIG SERVICE. FCN BPR'S: O/C - 4 SECS	
0.50	0830-0900 SURVEY @ 1219 (5 DEG, 56 AZM)	
3.50	0900-1230 DRILL AHEAD IN 311MM HOLE FROM 1274-132M OPTIMIZING PARAMETERS TO HOLD DIRECTION AND MAXIMIZE PENETRATION RATE	
1.00	1230-1330 SURVEY @ 1248 (5.5DEG, 59 AZM), 1286M (7 DEG, 57 AZM)	
0.50	1330-1400 CIRC BTTMS UP SAMPLE AND PREPARE TO POOH	
0.25	1400-1415 RIG SERVICE. FCN TPR'S: O/C - 4 SECS	
6.25	1415-2030 POOH FLOW CHECKING AS REQUIRED AND L/D STABILIZED MOTOR AND PDC	
0.25	2030-2045 RIG SERVICE. FCN ANNULAR: O/C - 14 SECS	
3.25	2045-2400 P/U 95/8" SLICK BLACKMAX MOTOR AND BIT #7 EHP43H (RTC)	
	-	
	-	
	-	
	-	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, LIUTKUS, COLEMAN - SAFETY DAYS @ 234

OPERATIONS @ 0600: POOH @ 1349M W/ SLICK MOTOR AND BIT #7, EHP43A. (MOTOR NOT FCN PROPERLY: ONLY 300KPA DIFF PRESS.) ROP=3-9 M/HR

OBJECTIVES FOR NEXT 24 HRS:

Daily Mud Cost: $ 21,523	Daily Tangible Cost:	Daily Well Cost: $59,687	Incidents: NONE
Cum Mud Cost: $ 212,437	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 2,877,255	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 269.0	Bulk Weight: 247.0
Neat Cement: 27.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/LIUTKUS
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 22-FEB-99	Page: 1 Of 1

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 1183.0 m	TVD: 1183.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 28	DFS: 19	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 4.3	Total Rot Hrs: 161.7
Torque: 0	Drag: 2.0	Rot Weight: 77.0	P/U Weight: 79.0	Slack Off Weight: 75.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 42			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 36.8	Cum Rot Hrs On Casing Since Last Caliper: 36.8	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 930	FV: 75	PV: 18
YP: 7.0	Gel: 5 / 8				
WL API: 0.0	HTHP: 0.8	FC (mm) API: 0.0	HTHP: 0.0	Solids: 6.00	% Oil: 81.00
%Water: 19.00	% Sand:	MBT: 0.0	Ph: 0.0		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 0.0	Bent:
Solids %HG/LG: / 6.00	%DS/Bent: 0.0 / 0.0				

44	40KG BARITE	40	1M3 BASE OIL	29	40KG BENTONIT	3	22KG CAUSTIC	1	22KG DESCO		
1	19LTR DETERGEN	40	1KSX SAWDUST	2	22KG SODA ASH	2	208LTR VERSA HR	32	22KG VG-69		

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 RR-1	116	311.0	HC	Y79YK	GT1	20.0/20.0/16.0/ 0.0 /0.0	829	711.0 m	0.0	0.0
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
472.0	37.8	4.0/10.0	140 / 150									$ 201.84
		/	/									

Total Length of BHA: 269.9m BHA Description: BIT/BIT-SUB/MONEL/2-9"DC/FG-REAMER/9"DC/FG-STAB/8-9"DC/9"-JAR/4-9"DC/X/O-SUB/ 12-5" HWDP

Hrs On Jars: 21.0 | Hours Since Last Inspection: 21.0

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4 RR-1	152.0/152.0/152.0	/ /	115/ /115	15500	3.05	61.57	46.73	87.97	98.10	0.8	790.20
	/ /	/ /	/ /								

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
4.25	0000-0415 DRILL AHEAD IN 311MM HOLE FROM 1136-1183M W/ 5-10DAN, 150RPM AND 3.0M3/MIN.	
0.25	0415-0430 RIG SERVICE. FCN ANNULAR: O/C - 13 SECS.	
0.25	0430-0445 CIRC AND WORK PIPE PRIOR TO SURVEYING	
0.50	0445-0515 SURVEY @ 1159 (4.875 DEG, 35 AZM)	
2.75	0515-0800 POOH W/ BIT #4RR.	
9.75	0800-1745 DRILLER HIT CROWN. DRILLER ERRED IN HIS JT/STD COUNT WHILE POOH AND PULLED A 4 JOINT STAND. BUMPER BLOCKS	
	- DESTROYED BUT NO STRUCTURAL DAMAGE WAS INCURREDTO THE CROWN/DRILLING LINE. THE CROWN SAVER MALFUNCTIONED DUE	
	- TO A PARTIALLY PLUGGED NOT ALLOWING THE AIR TO BE DUMPED FROM THE DRUM CLUTCH. THE BRAKE HANDLE WAS PUSHED DOWN	
	- NEW BLOCKS WERE INSTALLED AND THE CROWN INSPECTED BY AN AKITA ENGINEER.	
0.25	1745-1800 RIG SERVICE. FCN LPR: O/C - 5 SECS.	
3.00	1800-2100 CONT'D TO POOH	
0.25	2100-2115 RIG SERVICE. FCN BLIND RAMS: O/C - 6 SECS	
0.50	2115-2145 PICK UP AND INSTALL AIR STRIPPER	
2.25	2145-2400 P/U BIT #6 (PDC) AND 311MM MOTOR AND RIH	
	-	
	- UPDATES MADE TO MUD USAGE LIST CAUSING INCREASE IN DAILY MUD COST	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 233

OPERATIONS @ 0600: DRILL AHEAD IN 311MM HOLE W/ 3-6DAN, 190-200 RPM AND 3.5M3/MIN. ROP=25-40M/HR

OBJECTIVES FOR NEXT 24 HRS: DRILL AHEAD IN 311.1MM HOLE W/ PDC BIT AND MOTOR, SURVEYING AS REQ'D

Daily Mud Cost: $ 28,343	Daily Tangible Cost:	Daily Well Cost: $ 83,478	Accidents: NONE
Cum Mud Cost: $ 190,914	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 2,817,568	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 269.0	Bulk Weight: 247.0	Neat Cement: 27.0 Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No:	Date: 21 Feb 99	Page: 3 Of 3	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 1136.0 m	TVD: 1136.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 27	DFS: 18	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 16.8	Total Rot Hrs: 157.5
Torque: 0	Drag: 2.0	Rot Weight: 77.0	P/U Weight: 79.0	Slack Off Weight: 75.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 42			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 33.5	Cum Rot Hrs On Casing Since Last Caliper: 33.5	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 920	FV: 56	PV: 16
YP: 5.0	Gel: 4 / 5				
WL API: 0.0	HTHP: 0.8	FC (mm) API: 0.0	HTHP: 0.0	Solids: 6.00	% Oil: 81.00
%Water: 19.00	% Sand:	MBT: 0.0	Ph: 0.0		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 0.0	Bent:
Solids %HG/LG: / 6.00	%DS/Bent: 0.0 / 0.0				
20 1M3 BASE OIL	10 25KG LIME	98 1LTRTRANSPOR	1 208LTRVERSA HR	12 22KG VG-69	

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 RR-1	116	311.0	HC	Y79YK	GT1	20.0/20.0/16.0/0.0/0.0	829	711.0 m	0.0	0.0
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
416.0	33.5	4.0/10.0	140 / 150									$ 209.88
		/	/									

Total Length of BHA: 269.9m BHA Description: BIT/BIT-SUB/MONEL/2-9"DC/FG-REAMER/9"DC/FG-STAB/8-9"DC/9"-JAR/4-9"DC/X/O-SUB/ 12-5" HWDP

Hrs On Jars: 16.8 Hours Since Last Inspection: 16.8

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4RR-1	152.0/152.0/152.0	/ /	115/ /115	15500	3.05	61.57	46.73	87.93	98.10	0.8	790.20
	/ /	/ /	/ /								

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: 23.8
7.25	0000-0715 DRILL AHEAD IN 311.1MM HOLE W/ BIT #4RR FROM 909M-984M W/ 4-7DAN, 150RPM AND 3.0M3/MIN	
0.25	0715-0730 RIG SERVICE. FUNCTION ANNULAR. O/C - 14 SECS.	
1.00	0730-0830 SURVEY @ 914 (4DEG, 49AZM), 960M (3.9DEG, 41AZM)	
1.00	0830-0930 WORK ON KELLY HOSE	
9.50	0930-1900 DRILL AHEAD IN 311.1MM HOLE FROM 984-1098M	
0.25	1900-1915 RIG SERVICE. FCN TPR: O/C - 4 SECS	
0.50	1915-1945 SURVEY @ 1027M (4 DEG, 38 AZM)	
0.25	1945-2000 FCN ELECTRIC MOTOR KILLS. OKI	
3.25	2000-2315 DRILL AHEAD IN 311.1MM HOLE FROM 1098-1136M	
0.25	2315-2330 RIG SERVICE. FCN LPR: O/C - 4 SECS	
0.25	2330-2345 SURVEY @ 1103M (4DEG, 32 AZM)	
	-	
	-	
	-	
	-	
	-	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 232

OPERATIONS @ 0600: POOH W/ BIT #4RR

OBJECTIVES FOR NEXT 24 HRS: POOH W/ BIT #4RR AND P/U MOTOR AND PDC

Daily Mud Cost: $ 21,599	Daily Tangible Cost:	Daily Well Cost: $ 71,068	Accidents: NONE
Cum Mud Cost: $ 162,571	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 2,734,090	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 296.0	Bulk Weight: 247.0
Neat Cement: 27.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No:	Date: 20 Feb 99	Page: 2 Of 3

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 909.0 m	TVD: 909.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 26	DFS: 17	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 16.8	Total Rot Hrs: 140.7	
Torque: 0	Drag: 2.0	Rot Weight: 60.0	P/U Weight: 62.0	Slack Off Weight: 58.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 42
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y		
Cum Rot Hrs On Casing: 16.8	Cum Rot Hrs On Casing Since Last Caliper: 16.8	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 909	FV: 60	PV: 14	YP: 3.5	Gel: 4 / 5
WL API: 0.0	HTHP: 0.8	FC (mm) API: 0.0	HTHP: 0.0	Solids: 20.00	% Oil: 79.00	%Water: 21.00	% Sand:	MBT: 0.0	Ph: 0.0
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 350	Ca: 0.0	Bent:	Solids %HG/LG: / 0.00	%DS/Bent: 0.0 / 0.0
126 1 M3 BASE OIL							

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 RR-1	116	311.0	HC	Y79YK	GT1	20.0/20.0/16.0/ 0.0 /0.0	829	711.0 m	0.0	0.0
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
198.0	16.8	0.0/5.0	100 / 150									$ 282.32
		/	/									

Total Length of BHA: 269.9m BHA Description: BIT/BIT-SUB/MONEL/2-9"DC/FG-REAMER/9"DC/FG-STAB/8-9"DC/9"-JAR/4-9"DC/X/O-SUB/ 12-5" HWDP

Hrs On Jars: 16.8 | Hours Since Last Inspection: 16.8

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4 RR-1	152.0/152.0/152.0	235.0/235.0/254.0	115/ /115	15500	3.05	61.57	46.73	87.93	99.20	0.8	790.20
	/ /	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: 24.0
1.50	0000-0130 WORK DP AND CIRC CEMENT OUT OF THE HOLE AND CLEAN SHAKER SCREENS	
0.50	0130-0200 DRILL 311.1MM HOLE FROM 711-715M TO CONDUCT FORMATION INTEGRITY TEST	
1.00	0200-0300 CIRC AND CLEAN HOLE PRIOR TO F.I.T.	
0.25	0300-0315 RIG SERVICE. SERVICE TOP DRIVE	
0.50	0315-0345 FORMATION INTERGRITY TEST. LEAKOFF @ 12.92KPA/M EQUIVALENT. EMD=1317KG/M	
0.75	0345-0430 DRILL 715-716M. CIRC FILL.	
1.25	0430-0545 CLEAN SHAKER SCREENS. NEW INVERT BLINDING SCREENS.	
5.75	0545-1130 DRILL AHEAD W/ BIT #4RR (GT1) FROM 716-755M, W/ 0-5 DAN AND 60-100RPM. (100 RPM ONCE THE STABS BELOW THE SHOE)	
0.25	1130-1145 BOP DRILL W/ DAY CREW. WELL SECURE IN 90 SECS. ANNULAR CLOSED IN 14 SECS.	
1.25	1145-1300 SURVEY @ 742M. 2 MISRUNS W/ MONEL SENSOR CAMERA. USE TIMED SURVEY CAMERA. OK! (3.25DEG, 32 AZM)	
9.50	1300-2230 DRILL 311.1MM HOLE FROM 755-898M W/ 4-7DAN & 100-150RPM. (150 RPM ONCE DC'S BELOW THE SHOE)	
0.25	2230-2245 RIG SERVICE. FCN TPR: O/C - 5 SECS	
0.50	2245-2315 CIRC AND SURVEY @ 791M (3.25 DEG, 37 AZM)	
0.25	2315-2330 DRILL 311.1MM HOLE FROM 898-909M	
0.25	2330-2345 BOP DRILL W/ NIGHT CREW. WELL SECURE IN 82 SECS.	
0.25	2345-2400 RIG SERVICE. FCN LPR: O/C - 6 SECS	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 232

OPERATIONS @ 0600: DRILL AHEAD IN 311.1MM HOLE @ 976M W/ 3-8DAN,150RPM AND 3.1M3/MIN. ROP=15-20M/HR

OBJECTIVES FOR NEXT 24 HRS: DRILL AHEAD IN 311.1 MM HOLE SURVEYING AS REQUIRED

Daily Mud Cost: $ 53,550	Daily Tangible Cost:	Daily Well Cost: $ 108,017	Accidents: NONE
Cum Mud Cost: $ 140,972	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 2,663,022	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 296.0	Bulk Weight: 247.0	Neat Cement: 27.0 Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No: RWWNC-R8029-400	Date: 19 Feb 99	Page: 1 Of 3	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 1136.0 m	TVD: 1136.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 27	DFS: 18	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 16.8	Total Rot Hrs: 157.5

Torque: 0	Drag: 2.0	Rot Weight: 77.0	P/U Weight: 79.0	Slack Off Weight: 75.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 42

Last Casing Size: 339.7 mm Set At: 701.3m MD 701.3m TVD Shoe Test: 1317 EMW Leakoff? Y

Cum Rot Hrs On Casing: 33.5 | Cum Rot Hrs On Casing Since Last Caliper: 33.5 | 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: DIESEL OIL BASED	Sample From: FLOW	Wt: 920	FV: 56	PV: 16	YP: 5.0	Gel: 4 / 5	
WL API: 0.0	HTHP: 0.8	FC (mm) API: 0.0	HTHP: 0.0	Solids: 6.00	% Oil: 81.00	%Water: 19.00	% Sand:	MBT: 0.0	Ph: 0.0
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 0.0	Bent:	Solids %HG/LG: / 6.00	%DS/Bent: 0.0 / 0.0	

20 1M3 BASE OIL 10 25KG LIME 98 1LTRTRANSPOR 1 208LTRVERSA HR 12 22KG VG-69

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 RR-1	116	311.0	HC	Y79YK	GT1	20.0/20.0/16.0/0.0/0.0	829	711.0 m	0.0	0.0
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
416.0	33.5	4.0/10.0	140 / 150									$ 209.88
		/	/									

Total Length of BHA: 269.9m BHA Description: BIT/BIT-SUB/MONEL/2-9"DC/FG-REAMER/9"DC/FG-STAB/8-9"DC/9"-JAR/4-9"DC/X/O-SUB/ 12-5" HWDP

Hrs On Jars: 16.8 | Hours Since Last Inspection: 16.8

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4RR-1	152.0/152.0/152.0	/ /	115/ /115	15500	3.05	61.57	46.73	87.93	98.10	0.8	790.20
	/ /	/ /	/ /								

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: 23.8
7.25	0000-0715 DRILL AHEAD IN 311.1MM HOLE W/ BIT #4RR FROM 909M-984M W/ 4-7DAN, 150RPM AND 3.0M3/MIN	
0.25	0715-0730 RIG SERVICE. FUNCTION ANNULAR. O/C - 14 SECS.	
1.00	0730-0830 SURVEY @ 914 (4DEG, 49AZM), 960M (3.9DEG, 41AZM)	
1.00	0830-0930 WORK ON KELLY HOSE	
9.50	0930-1900 DRILL AHEAD IN 311.1MM HOLE FROM 984-1098M	
0.25	1900-1915 RIG SERVICE. FCN TPR: O/C - 4 SECS	
0.50	1915-1945 SURVEY @ 1027M (4 DEG, 38 AZM)	
0.25	1945-2000 FCN ELECTRIC MOTOR KILLS. OK!	
3.25	2000-2315 DRILL AHEAD IN 311.1MM HOLE FROM 1098-1136M	
0.25	2315-2330 RIG SERVICE. FCN LPR: O/C - 4 SECS	
0.25	2330-2345 SURVEY @ 1103M (4DEG, 32 AZM)	
	-	
	-	
	-	
	-	
	-	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 232

OPERATIONS @ 0600: POOH W/ BIT #4RR

OBJECTIVES FOR NEXT 24 HRS: POOH W/ BIT #4RR AND P/U MOTOR AND PDC

Daily Mud Cost: $ 21,599	Daily Tangible Cost:	Daily Well Cost: $ 71,068	Accidents: NONE
Cum Mud Cost: $ 162,571	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 2,734,090	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 296.0	Bulk Weight: 247.0	Neat Cement: 27.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
	API No:	AFE No:	Date: 20 Feb 99	Page: 2 Of 3	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 1183.0 m	TVD: 1183.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 28	DFS: 19	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 4.3	Total Rot Hrs: 161.7
Torque: 0	Drag: 2.0	Rot Weight: 77.0	P/U Weight: 79.0	Slack Off Weight: 75.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 42			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 1317 EMW	Leakoff? Y	
Cum Rot Hrs On Casing: 36.8	Cum Rot Hrs On Casing Since Last Caliper: 36.8	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: DIESEL OIL BASED	Sample From: FLOW	Wt: 930	FV: 75	PV: 18
YP: 7.0	Gel: 5 / 8				
WL API: 0.0	HTHP: 0.8	FC (mm) API: 0.0	HTHP: 0.0	Solids: 6.00	% Oil: 81.00
%Water: 19.00	% Sand:	MBT: 0.0	Ph: 0.0		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl: 650	Ca: 0.0	Bent:
Solids %HG/LG: / 6.00	%DS/Bent: 0.0 / 0.0				

44	40KG BARITE	40	1M3 BASE OIL	29	40KG BENTONIT	3	22KG CAUSTIC
1	22KG DESCO						
1	19LTR DETERGEN	40	1KSXSAWDUST	2	22KG SODA ASH	2	208LTR VERSA HR
32	22KG VG-69						

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 RR-1	116	311.0	HC	Y79YK	GT1	20.0/20.0/16.0/ 0.0 /0.0	829	711.0 m	0.0	0.0
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
472.0	37.8	4.0/10.0	140 / 150									$ 201.84
		/	/									

Total Length of BHA: 269.9m BHA Description: BIT/BIT-SUB/MONEL/2-9"DC/FG-REAMER/9"DC/FG-STAB/8-9"DC/9"-JAR/4-9"DC/X/O-SUB/ 12-5" HWDP

Hrs On Jars: 21.0 | Hours Since Last Inspection: 21.0

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4RR-1	152.0/152.0/152.0	/ /	115/ /115	15500	3.05	61.57	46.73	87.97	98.10	0.8	790.20
	/ /	/ /	/ /								

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
4.25	0000-0415 DRILL AHEAD IN 311MM HOLE FROM 1136-1183M W/ 5-10DAN, 150RPM AND 3.0M3/MIN.	
0.25	0415-0430 RIG SERVICE. FCN ANNULAR: O/C - 13 SECS.	
0.25	0430-0445 CIRC AND WORK PIPE PRIOR TO SURVEYING	
0.50	0445-0515 SURVEY @ 1159 (4.875 DEG, 35 AZM)	
2.75	0515-0800 POOH W/ BIT #4RR.	
9.75	0800-1745 DRILLER HIT CROWN. DRILLER ERRED IN HIS JT/STD COUNT WHILE POOH AND PULLED A 4 JOINT STAND. BUMPER BLOCKS	
	- DESTROYED BUT NO STRUCTURAL DAMAGE WAS INCURREDTO THE CROWN/DRILLING LINE. THE CROWN SAVER MALFUNCTIONED DUE	
	- TO A PARTIALLY PLUGGED NOT ALLOWING THE AIR TO BE DUMPED FROM THE DRUM CLUTCH. THE BRAKE HANDLE WAS PUSHED DOWN	
	- NEW BLOCKS WERE INSTALLED AND THE CROWN INSPECTED BY AN AKITA ENGINEER.	
0.25	1745-1800 RIG SERVICE. FCN LPR: O/C - 5 SECS.	
3.00	1800-2100 CONT'D TO POOH	
0.25	2100-2115 RIG SERVICE. FCN BLIND RAMS: O/C - 6 SECS	
0.50	2115-2145 PICK UP AND INSTALL AIR STRIPPER	
2.25	2145-2400 P/U BIT #6 (PDC) AND 311MM MOTOR AND RIH	
	-	
	- UPDATES MADE TO MUD USAGE LIST CAUSING INCREASE IN DAILY MUD COST	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 233

OPERATIONS @ 0600: DRILL AHEAD IN 311MM HOLE W/ 3-6DAN, 190-200 RPM AND 3.5M3/MIN. ROP=25-40M/HR

OBJECTIVES FOR NEXT 24 HRS: DRILL AHEAD IN 311.1MM HOLE W/ PDC BIT AND MOTOR, SURVEYING AS REQ'D

Daily Mud Cost: $ 28,343	Daily Tangible Cost:	Daily Well Cost: $ 83,478	Accidents: NONE
Cum Mud Cost: $ 190,914	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 2,817,568	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 269.0	Bulk Weight: 247.0
Neat Cement: 27.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No:	Date: 21 Feb 99	Page: 3 Of 3

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 711.0 m	TVD: 711.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 25	DFS: 16	Spud Date: 02/03/99	Daily Footage: 0.0	Daily Rot Hrs: 0.0	Total Rot Hrs: 124.0
Torq: 0	Drag: 2.0	Rot Wgt: 60.0	P/U Wgt: 62.0	Slack Off Wgt: 58.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 42			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 0 EMW	Leakoff?	
Cum Rot Hrs On Casing:	Cum Rot Hrs On Casing Since Last Caliper:	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:	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: /				

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 RR-1	116	311.0	HC	Y79YK	GT1	20.0/20.0/16.0/0.0/0.0	829	711.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
0.0	0.0	0.0/5.0	60 / 70									0.00
		/	/									

Total Length of BHA: 269.92 m BHA Description: BIT/BIT-SUB/MONEL/2-9"DC/REAMER/9"DC/STR-STAB/8-9"DC/9"-JAR/4-9"DC/X/O-SUB/5" -HWDP

Hrs On Jars: 0.0 Hours Since Last Inspection: 0.0

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4 RR-1	152 / 152 / 152	235.0/235.0/254.0	90/ /90	14000	2.39	48.16	36.55	68.79	47.40	0.4	558.50
	/ /	/ /	/ /								

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
10.00	0000-1000 PICK UP 5" DRILL PIPE AND RACK IN THE DERRICK.	
0.25	1000-1015 RIG SERVICE. SERVICE TOP DRIVE	
0.50	1015-1045 RIG OUT LAYDOWN TRUCK	
1.00	1045-1145 RACK PIPE IN THE DERRICK	
4.75	1145-1630 CALIPER AND M/U BHA	
1.75	1630-1815 RIH TO 527M.	
0.75	1815-1900 SLIP 36M AND CUT 18M	
0.50	1900-1930 RIG SERVICE. FIX TARP ON TOP DRIVE	
0.75	1930-2015 RIH AND TAG FLOAT COLLAR @ 687.5M	
1.75	2015-2200 DISPLACE HOLE TO INVERT	
2.00	2200-2400 DRILL OUT COLLAR, CEMENT AND SHOE AND RIH TO 711M.	
	-	
	-	
	-	
	-	
	-	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 28

OPERATIONS @ 0600: DRIL AHEAD IN 311.1MM HOLE W/ 60 RPM AND 0-5 DAN UNTIL STABS ARE BURRIED. SURVEY EVERY 30M AS REQ'D

OBJECTIVES FOR NEXT 24 HRS: DRILL AHEAD IN 311MM HOLE SURVEYING EVERY 30M AND MAINTAINING A STRAIGHT TRAJECTORY

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $35,295	Incidents: NONE
Cum Mud Cost: $87,422	Cum Tangible Cost: $14,502	Cum Well Cost: $2,555,005	Total Appr: $11,306,498
Drill Water:	Potable Water:	Fuel: 306.0	Bulk Weight: 247.0
Neat Cement: 27.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 18-FEB-99	Page: 1 Of 1

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 711.0 m	TVD: 711.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m			
DOL: 24	DFS: 15	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs: 124.0		
Torq:	Drag:	Rot Wgt:	P/U Wgt:	Slack Off Wgt:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 42
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 0 EMW	Leakoff?			
Cum Rot Hrs On Casing:	Cum Rot Hrs On Casing Since Last Caliper:	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:	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: /

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: 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: 24.0
15.00	0000-1500 PRESSURE TEST CHOKE MANIFOLD AND LINES, HCR, INSIDE AND OUTSIDE CHOKE LINE VALVES, INSIDE AND OUTSIDE KILL LINE	
	- VALVES, CHECK VALVES, UPR PR'S, LOWER PR'S, UPPER AND LOWER KELLY COCK, STABBING VALVE, INSIDE BOP, MUD LINES	
	- AND BR'S TO A LOW OF 1400KPA AND A HIGH OF 34500 KPA FOR 15 MINUTES EACH. PRESSURE TEST CSG AND CSG HEAD VALVES	
	- TO LOW OF 1500KPA AND HIGH OF 15000KPA FOR 15 MINUTES EACHPRESSURE TEST ANNULAR TO LOW OF 1400KPA AND HIGH OF	
	- OF 17500KPA FOR 15 MINUTES EACH	
0.25	1500-1515 RIG SERVICE. SERVICE TOP DRIVE	
0.75	1515-1600 INSTALL WEAR BUSHING	
0.50	1600-1630 ACCUMULATOR FCN TEST	
	- ACCUMULATOR: 20000KPA	
	- CLOSE BTTM PR: 18500KPA	
	- CLOSE BR: 16500KPA	
	- CLOSE ANNULAR: 12500KPA	
	- CLOSE TOP PR: 12100KPA	
	- CLOSE HCR: 12000 KPA RECHARGE TIME : 5 MIN 04 SECS	
5.50	1630-2200 L/D ALL 11" DC'S AND RIG UP LAY DOWN MACHINE TO P/U DRILL PIPE	
0.25	2200-2215 HOLD SAFETY MEETING W/ CREW AND LAY DOWN PERSONNEL	
0.25	2215-2230 RIG SERVICE. SERVICE TOP DRIVE	
1.50	2230-2400 P/U DP AND RACK IN THE DERRICK	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 27
OPERATIONS @ 0600: PICK UP DRILL PIPE AND RACK INTHE DERRICK
OBJECTIVES FOR NEXT 24 HRS: P/U DP, DISPLACE TO INVERT AND PREPARE TO DRILL OUT W/ 311.1MM BIT

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $45,969	Incidents: NONE
Cum Mud Cost: $87,422	Cum Tangible Cost: $14,502	Cum Well Cost: $2,519,710	Total Appr: $11,306,498

Drill Water:	Potable Water:	Fuel: 306.0	Bulk Weight: 247.0	Neat Cement: 27.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWNC-R8029-400	Date: 17-FEB-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 711.0 m	TVD: 711.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 23	DFS: 14	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs: 124.0
Torq:	Drag:	Rot Wgt:	P/U Wgt:	Slack Off Wgt:	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 42			
Last Casing Size: 339.7 mm	Set At: 701.3m MD	701.3m TVD	Shoe Test: 0 EMW	Leakoff?	
Cum Rot Hrs On Casing:	Cum Rot Hrs On Casing Since Last Caliper:	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:	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: /				

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: 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: 24.0
1.00	0000-0100 CONT'D TO NIPPLE DOWN DIVERTER	
0.25	0100-0115 RIG SERVICE. SERVICE TOP DRIVE	
7.25	0115-0830 WOC: CUT WINDOW IN THE CONDUCTOR BARREL, STRAP WELD CASING TO CONDUCTOR AND BACKOUT LANDING JOINT	
0.25	0830-0845 RIG SERVICE. SERVICE TOP DRIVE	
15.00	0845-2345 SCREW ON CASING BOWL AND NIPPLE UP BOP'S.	
0.25	2345-2400 RIG SERVICE. SERVICE TOP DRIVE	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, LIUTKUS, COLEMAN - SAFETY DAYS @ 26

OPERATIONS @ 0600: PRESSURE TEST BOP'S

OBJECTIVES FOR NEXT 24 HRS: NIPPLE UP AND PRESSURE TEST 34.5MPA BOP'S AND PREPARE TO DRILL OUT W/ 311.1MM BIT

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $35,306	Incidents: NONE
Cum Mud Cost: $87,422	Cum Tangible Cost: $14,502	Cum Well Cost: $2,473,741	Total Appr: $11,306,498

Drill Water:	Potable Water:	Fuel: 306.0	Bulk Weight: 247.0	Neat Cement: 27.0 Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/LIUTKUS	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No: 300K29603012	AFE No: RWMC-R8029-400	Date: 16-FEB-99	Page: 1 Of 1	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 711.0 m	TVD: 711.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 22	DFS: 13	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs: 124.0	
Torque: 0	Drag: 0.0	Rot Weight: 0.0	P/U Weight: 0.0	Slack Off Weight: 0.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 42
Last Casing Size: 508.0 mm	Set At: 20.0m MD 20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1140	FV: 40	PV: 11	YP: 6.0	Gel: 2 / 5
WL API: 5.6	HTHP:	FC (mm) API: 1.0	HTHP: 0.0	Solids: 9.00	% Oil: 0.00	%Water: 0.00	% Sand:	MBT: 85.0	Ph: 8.0
Pm: 0.00	Pf/Mf: 0.00 / 1.00	Carb:	Cl: 550	Ca: 24.4	Bent:	Solids %HG/LG: / 3.00	%DS/Bent: 0.0 / 4.0
9 22KG 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: 689.1 m BHA Description: STINGER/70-5" DP

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: 21.3
0.75	0000-0045 CIRC CASING DOWN FROM 689-701.3M USING FI FILLUP TOOL	
1.75	0045-0230 CIRC AND RECIPROCATE CASING PRIOR TO CEMENTING	
0.25	0230-0245 RIG SERVICE. SERVICE TOP DRIVE	
0.75	0245-0330 RIG OUT FI FILLUP TOOL AND RIG UP TOP DRIVE AND FALSE FLOOR TO RIH W/ 5" DP AND STINGER TO CEMENT CASING	
5.25	0615-1130 M/U STINGER AND RIH TO 687M AND STING INTO TOP OF FLOAT COLLAR	
0.25	1130-1145 RIG SERVICE. SERVICE TOP DRIVE	
2.50	1145-1415 CIRC CASING AND REDUCE YP TO 6 PRIOR TO CEMENTING CASING	
0.25	1415-1430 SAFETY MEETING W/ DOWELL, DAY CREW AND RIG SITE PERSONNEL	
2.50	1430-1700 CEMENT CASING W/ DOWELL	
	- CEMENT JOB	
	- PREFLUSH: 8M3 H20 + 3M3 CW100	
	- LEAD: 84.9 M3 1:1:2 + 0.5%D65+0.2%D46	
	- TAIL: 8.4M3 RFC + 1%S1+0.2%D46	
	- DISPLACE W/ 6.5M3 17M3 OF CEMENT RETURNS CIP @ 16:50	
5.50	1700-2230 POOH W/ 5" DP AND STINGER	
0.50	2230-2300 RIG OUT FALSE FLOOR	
0.25	2300-2315 RIG SERVICE. SERVICE TOP DRIVE	
0.75	2315-2400 NIPPLE DOWN DIVERTER	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, LIUTKUS, COLEMAN - SAFETY DAYS @ 25

OPERATIONS @ 0600: BACK OUT LANDING JOINT AND REMOVE DIVERTER SYSTEM

OBJECTIVES FOR NEXT 24 HRS: NIPPLE UP 34.5MPA BOP STACK AND PREPARE TO DRILL OUT W/ 311.1MM BIT

Daily Mud Cost: $ 549	Daily Tangible Cost: $ 14,502	Daily Well Cost: $ 162,146	Accidents: NONE	
Cum Mud Cost: $ 87,458	Cum Tangible Cost: $ 14,502	Cum Well Cost: $ 2,424,461	Total Appr: $ 11,306,498	
Drill Water:	Potable Water:	Fuel: 306.0	Bulk Weight: 247.0	Neat Cement: 82.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/J.N.,B.L.	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No:	Date: 15 Feb 99	Page: 4 Of 4	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 711.0 m	TVD: 711.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 21	DFS: 12	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs: 124.0
Torque: 0	Drag: 1.0	Rot Weight: 76.0	P/U Weight: 77.0	Slack Off Weight: 75.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 42			
Last Casing Size: 508.0 mm	Set At: 20.0m MD	20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1140	FV: 109	PV: 24
YP: 17.5	Gel: 7 / 17				
WL API: 5.2	HTHP:	FC (mm) API: 1.0	HTHP: 0.0	Solids: 9.00	% Oil: 0.00
%Water: 0.00	% Sand:	MBT: 96.0	Ph: 8.5		
Pm: 0.00	Pf/Mf: 1.00 / 5.00	Carb:	Cl: 500	Ca: 182.9	Bent:
Solids %HG/LG: / 3.00	%DS/Bent: 0.0 / 4.0				

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: 295.6m BHA Description: BIT/444.5HO/BIT-SUB/11'DC/STR-STAB/2-11'DC/X/O-SUB/MONEL/12-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5"-HWDP

Hrs On Jars: 44.0 Hours Since Last Inspection: 44.0

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	0000-0030 PICK UP DRILL PIPE AND CONTINUED TO RIH, HIT BRIDGE @ 687M	
1.00	0030-0130 BREAK CIRCULATION & WASH TO BOTTOM , TAGGED FILL 5M FROM BOTTOM	
1.50	0130-0300 CIRCULATE AND CONDITION HOLE	
0.25	0300-0315 RIG SERVICE, TOP DRIVE	
8.25	0315-1130 POOH LAY DOWN 444.5MM TOOLS AND HOLE OPENER	
3.50	1130-1500 RIG UP TO RUN 339.7MM CASING	
0.50	1500-1530 SAFETY MEETING WITH RIG CREW, LAYDOWN, TONG HANDS	
4.25	1530-1945 RUN 339.7MM 101.2KG/M K-55 BUTTRESS CASING	
0.25	1945-2000 RIG SERVICE	
0.25	2000-2015 SAFETY MEETING WITH NIGHT CREW, TONG & LAYDOWN OPERATORS	
0.25	2015-2030 RIG SERVICE	
3.50	2030-2400 RUN CASING 339.7MM 101.2KG/M K-55 BUTTRESS, 56 JTS, 693.6M	
	- SHOE 0.55 M	
	- 1 JT 13.03 M	
	- COLLAR 0.59 M	
	- 55 JTS 679.9M	
	- CASING LANDED @ 701.3M	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, LIUTKUS, COLEMAN - SAFETY DAYS @ 24

OPERATIONS @ 0600: RIH WITH 127MM DRILL PIPE/STINGER ASSEMBLY TO RUN CEMENT JOB

OBJECTIVES FOR NEXT 24 HRS: STAB INTO FLOAT COLLAR WITH DRILL PIPE/STINGER AND CEMENT SURFACE CASING

Daily Mud Cost: $ 3,873	Daily Tangible Cost:	Daily Well Cost: $ 40,041	Accidents: NONE
Cum Mud Cost: $ 86,909	Cum Tangible Cost:	Cum Well Cost: $ 2,262,315	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 306.0	Bulk Weight: 247.0
Neat Cement: 82.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/J.N.,B.L.
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No:	Date: 14 Feb 99	Page: 3 Of 4

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 711.0 m	TVD: 711.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 20	DFS: 11	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 12.5	Total Rot Hrs: 124.0	
Torque: 0	Drag: 1.0	Rot Weight: 76.0	P/U Weight: 77.0	Slack Off Weight: 75.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 42
Last Casing Size: 508.0 mm	Set At: 20.0m MD	20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1140	FV: 109	PV: 24	YP: 17.5	Gel: 7 / 17
WL API: 5.2	HTHP:	FC (mm) API: 1.0	HTHP: 0.0	Solids: 9.00	% Oil: 0.00	%Water: 0.00	% Sand:	MBT: 96.0	Ph: 8.5
Pm: 0.00	Pf/Mf: 1.00 / 5.00	Carb:	Cl: 500	Ca: 182.9	Bent:	Solids %HG/LG: / 3.00	%DS/Bent: 0.0 / 4.0

20 40KG BARITE 15 40KG BENTONIT

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: 295.6m BHA Description: BIT/444.5HO/BIT-SUB/11'DC/STR-STAB/2-11'DC/X/O-SUB/MONEL/12-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5"-HWDP

Hrs On Jars: 44.0 Hours Since Last Inspection: 44.0

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
12.75	0000-1245 OPEN HOLE FROM 311MM PILOT HOLE TO 444.5MM FROM 581-667M W/ 0-5 DAN & 80 RPM.	
0.25	1245-1300 RIG SERVICE. SERVICE TOP DRIVE	
1.75	1300-1445 CIRC AND WORK DRILL PIPE. PUMP AND HIGH VIS SWEEP AND PREPARE TO WIPER TRIP TO SURFACE.	
5.00	1445-1945 POOH, PUMPING OUT THE FIRST 2 STDS. PUMP PILL AND CONT'D POOH.	
0.25	1945-2000 RIG SERVICE. SERVICE TOP DRIVE.	
3.50	2000-2330 RIH TO 439M. RIG UP LAY DOWN TRUCK TO P/U AND STRAP 30 JTS OF E DP	
0.25	2330-2345 SAFETY MEETING W/ FI RE: P/U OF DP W/ LAY DOWN MACHINE	
0.25	2345-2400 RIG SERVICE. SERVICE TOP DRIVE	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, LIUTKUS, COLEMAN - SAFETY DAYS @ 23

OPERATIONS @ 0600: WIPER TRIP TO BOTTOM: 2M FILL ON BOTTOM. CONT'D POOH TO RUN CASING.

OBJECTIVES FOR NEXT 24 HRS: WIPER TRIP TO 711, CIRC AND RAISE VIS TO PREPARE TO RUN CASING. PREPARE TO CEMENT CASING W/ DOWELL

Daily Mud Cost: $ 3,873	Daily Tangible Cost:	Daily Well Cost: $ 43,231	Accidents: NONE	
Cum Mud Cost: $ 83,036	Cum Tangible Cost:	Cum Well Cost: $ 2,222,274	Total Appr: $ 11,306,498	
Drill Water:	Potable Water:	Fuel: 337.0	Bulk Weight: 247.0	Neat Cement: 82.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/J.N.,B.L.	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No:	Date: 13 Feb 99	Page: 2 Of 4	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 711.0 m	TVD: 711.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 19	DFS: 10	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 5.8	Total Rot Hrs: 111.5
Torque: 0	Drag: 1.0	Rot Weight: 76.0	P/U Weight: 77.0	Slack Off Weight: 75.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 28			
Last Casing Size: 508.0 mm	Set At: 20.0m MD 20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1146	FV: 61	PV: 18
YP: 12.5	Gel: 5 / 13				
WL API: 5.6	HTHP:	FC (mm) API: 1.0	HTHP: 0.0	Solids: 9.00	% Oil: 0.00
%Water: 0.00	% Sand:	MBT: 89.0	Ph: 8.5		
Pm: 0.00	Pf/Mf: 1.00 / 5.00	Carb:	Cl: 450	Ca: 30.5	Bent:
Solids %HG/LG: / 2.00	%DS/Bent: 0.0 / 3.0				
30 40KG BENTONIT	3 22KG CAUSTIC	1 19LTRDETERGEN	1 22KG SODA ASH	8 25KG 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	116	311.0	HC	Y79YK	TOOTH	20.0/20.0/20.0/ /	942	529.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
182.0	27.8	0.0/5.0	160 / 180									$ 598.16
		/	/									

Total Length of BHA: 295.6m BHA Description: BIT/444.5HO/BIT-SUB/11'DC/STR-STAB/2-11'DC/X/O-SUB/MONEL/12-9"DC/9"-JAR/3-9"DC/X/O-SUB/12-5"-HWDP

Hrs On Jars: 31.5 Hours Since Last Inspection: 31.5

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4	152.0/152.0/152.0	235.0/235.0/254.0	80/80/110	14600	3.56	63.19	56.33	102.11	149.80	1.3	868.00
	/ /	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: 24.0
2.00	0000-0200 DRILL 311MM PILOT HOLE FROM 706 TO 711M	
1.00	0200-0300 CIRULATE AND WORK PIPE PRIOR TO SURVEY	
0.25	0300-0315 SURVEY @ 702M (3 DEG, 30.69 AZM)	
0.25	0315-0330 RIG SERVICE	
7.00	0330-1030 POOH (PUMPING PILL/BLOWING KELLY) STRAP OUT - STRAP 710.72M, TALLEY 711M, DIFF 0.28M)	
4.00	1030-1430 MAKE UP HOLE OPENER ASSEMBLY (CALIPER/MEASURE/RECORD), WELD STRAPS ON BIT - HOLE OPENER/HOLE OPENER - BIT SUB	
4.25	1430-1845 RIH WITH HOLE OPENER ASSEMBLY	
1.00	1845-1945 WORK ON TOP DRIVE	
0.25	1945-2000 RIG SERVICE	
3.75	2000-2345 OPEN HOLE FROM 311MM HOLE TO 444.5MM FROM 529M TO 581M	
0.25	2345-2400 RIG SERVICE	
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	-	
	-	
	-	
	-	
	-	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, LIUTKUS, HODGE - SAFETY DAYS @ 22

OPERATIONS @ 0600: CONTINUE TO REAM HOLE, CURRENT DEPTH 647M

OBJECTIVES FOR NEXT 24 HRS: OPEN HOLE TO 711M, WIPER TRIP, POOH W/ HO ASSEMBLY, RUN SURFACE CASING, CEMENT

Daily Mud Cost: $ 3,873	Daily Tangible Cost:	Daily Well Cost: $ 42,911	Accidents: NONE
Cum Mud Cost: $ 79,163	Cum Tangible Cost:	Cum Well Cost: $ 2,179,043	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 337.0	Bulk Weight: 247.0	Neat Cement: 82.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/J.N.,B.L.		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No:	AFE No: RWWNC-R8029-400	Date: 12 Feb 99	Page: 1 Of 4		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 583.0 m	TVD: 583.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 18	DFS: 9	Spud Date: 02/03/99	Daily Footage: 123.0	Daily Rot Hrs: 20.5	Total Rot Hrs: 105.7
Torq: 0	Drag: 1.0	Rot Wgt: 69.0	P/U Wgt: 70.0	Slack Off Wgt: 68.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 28			
Last Casing Size: 508.0 mm	Set At: 20.0m MD	20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1146	FV: 66	PV: 19
YP: 14.0	Gel: 5 / 14				
WL API: 7.0 HTHP:	FC (mm) API: 1.0 HTHP: 0.0	Solids: 9.00	% Oil: 0.00	%Water: 0.00	% Sand:
MBT: 92.0	Ph: 8.50				
Pm: 0.000	Pf/Mf: 1.00 / 5.00	Carb:	Cl: 500	Ca: 50	Bent:
Solids %HG/LG: / 2.00	%DS/Bent: 0.0 / 3.0				

1 22KG CAUSTIC 3 25KG XCD 20 40KG BENTONITE NT 150 1LTR TRANSPORTATION

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	116	311.0	HC	Y79YK	TOOTH	20.0/20.0/20.0/ / / / /	942	529.0 m		
							0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
177.0	25.8	1.0/5.0	150 / 180									$ 586.81
		/	/									

Total Length of BHA: 269.58 m BHA Description: BIT/BIT-SUB/MONEL/2-9"DC/STR-STAB/9"DC/STR-STAB/9-9"DC/JARS/3-9"DC/X/O-SUB/5" -HWDP

Hrs On Jars: 25.7 Hours Since Last Inspection: 25.7

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4	152 / 152 / 152	235.0/235.0/254.0	80/80/110	14800	3.56	63.19	56.33	102.11	149.20	1.3	879.90
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
573.0	4.10	47.69	N47.69E	572.4	14.31 N	17.99 E	7.67	0.33
611.0	4.50	42.69	N42.69E	610.3	16.32 N	20 E	8.32	0.43
642.0	4.00	41.79	N41.79E	641.2	18.02 N	21.55 E	8.72	0.49
676.0	3.50	30.80	N30.80E	675.1	19.8 N	22.87 E	8.91	0.77

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight — Total Hours Reported: 24.0
0.50	0000-0030 CIRC AND SURVEY @ 573M (41 DEG, 47.79AZM)
0.25	0030-0045 RIG SERVICE. SERVICE TOP DRIVE
3.75	0045-0430 DRILL AHEAD W/ BIT #4A IN 311.1MM PILOT HOLE FROM 583-620M W/ 1-3 DAN AND 180RPM.
0.50	0430-0500 CIRC AND WORK THE PIPE PRIOR TO SURVEYING
0.25	0500-0515 SURVEY @ 611M (45 DEG, 41.79 AZM)
6.50	0515-1145 DRILL AHEAD FROM 620-649M
0.50	1145-1215 CIRC PRIOR TO SURVEYING
0.50	1215-1245 SURVEY @ 642M (4 DEG, 41.79 AZM)
7.00	1245-1945 DRILL AHEAD FROM 649-688M
0.25	1945-2000 RIG SERVICE. SERVICE TOP DRIVE
0.25	2000-2015 CIRCULATE PRIOR TO SURVEY
0.25	2015-2030 SURVEY @ 676M (3.5 DEG, 30.69 AZM)
0.25	2030-2045 RIG SERVICE
3.25	2045-2400 DRILL 311MM HOLE TO 706M
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, LIUTKUS, HODGE - SAFETY DAYS @ 21

OPERATIONS @ 0600: POOH TO P/U 444.5MM HOLE OPENER ASSEMBLY. LAST SURVEY. 705 M (3 DEG, N 34.8 AZM)

OBJECTIVES FOR NEXT 24 HRS: RIH WITH 444.5MM HOLE OPENER AND OPEN HOLE TO TD, POOH AND RUN CASING

Daily Mud Cost: $ 16,506	Daily Tangible Cost:	Daily Well Cost: $ 63,059	Incidents: NONE
Cum Mud Cost: $ 75,290	Cum Tangible Cost:	Cum Well Cost: $ 2,136,132	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 337.0	Bulk Weight: 247.0
Neat Cement: 82.0	Blended:		
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/J.N.,B.L.
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 11-FEB-99	Page: 1 Of 1

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 583.0 m	TVD: 583.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m			
DOL: 17	DFS: 8	Spud Date: 02/03/99	Daily Footage: 54.0	Daily Rot Hrs: 5.3	Total Rot Hrs: 85.2		
Torq: 0	Drag: 1.0	Rot Wgt: 69.0	P/U Wgt: 70.0	Slack Off Wgt: 68.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 28
Last Casing Size: 508.0 mm	Set At: 20.0m MD	20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1155	FV: 73	PV: 21	YP: 14.5	Gel: 6 / 17
WL API: 7.0 HTHP:	FC (mm) API: 1.0 HTHP: 0.0	Solids: 9.00	% Oil: 0.00	%Water: 0.00	% Sand:	MBT: 99.0	Ph: 8.50
Pm: 0.000	Pf/Mf: 1.00 / 5.00	Carb:	Cl: 450	Ca: 60	Bent:	Solids %HG/LG: / 2.00	%DS/Bent: 0.0 / 3.0

1 22KG CAUSTIC 35 25KG XCD 20 40KG BENTONITE NT 1 1LTR TRANSPORTATION

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	116	311.0	HC	Y79YK	TOOTH	20.0/20.0/20.0/ /	942	529.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
54.0	5.3	3.0/5.0	160 / 170									$ 974.31
		/	/									

Total Length of BHA: 269.58 m BHA Description: BIT/BIT-SUB/MONEL/2-9"DC/STR-STAB/9"DC/STR-STAB/9-9"DC/JARS/3-9"DC/X/O-SUB/5" -HWDP

Hrs On Jars: 5.3 Hours Since Last Inspection: 5.3

Bit Num	Liner	Stroke	SPM	Press.	M3/Min	Jet Vel	DP Av	DC Av	Bit kW	BHHP/SQIN	Pump kW
4	152 / 152 / 152	229.0/229.0/254.0	80/80/100	13400	2.93	52.85	46.42	84.12	87.20	0.7	656.30
	/ /	/ /	/ /								

Survey MD	Angle	Azimuth	Direction	TVD	N/S Coordinates	E/W Coordinates	Vertical Section	DLS
0.0				0.0	0	0	0.00	0.00
538.0	4.35	51.70	N51.70E	537.5	12.65 N	16.02 E	6.88	0.25

Hours	(From - To) Operations Covering 24 Hours Ending at Midnight	Total Hours Reported: 24.0
4.50	0000-0430 CONT'D POOH, AND L/D SHOCK SUB AND 2 17.5" STRING STABILIZERS	
0.25	0430-0445 RIG SERVICE. SERVICE TOP DRIVE	
3.25	0445-0800 P/U MONEL AND 12.25" STABS AND M/U BHA #4 (90-120 PENDULUM)	
6.00	0800-1400 RIH W/ BIT #4A HC GT1 (116) TO 529M (WASHING THE LAST 10 M TO BOTTOM.)	
5.25	1400-1915 DRILL 311.1MM PILOT HOLE FROM 529-556M W/ 3-5DAN AND 170RPM.	
0.50	1915-1945 SURVEY @ 539M: 4.35 DEG, 51.7 AZM.	
0.25	1945-2000 RIG SERVICE- SERVICE TOP DRIVE	
3.75	2000-2345 DRILL 311.1MM PILOT FROM 556-583M	
0.25	2345-2400 RIG SERVICE. SERVICE TOP DRIVE	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MCNALLEY, NEWHOOK, LIUTKUS, HODGE - SAFETY DAYS @ 20

OPERATIONS @ 0600: DRILL AHEAD IN 311.1 PILOT HOLE @ 627M. SURVEYS (573M:4.1 DEG, 47.69AZM. 611M: 4.5 DEG,42.69AZM)

OBJECTIVES FOR NEXT 24 HRS: DRILL 311.1MM PILOT TO TD AND POOH TO PICK HOLE OPENER

Daily Mud Cost: $ 19,567	Daily Tangible Cost:	Daily Well Cost: $ 64,224	Incidents: NONE
Cum Mud Cost: $ 73,122	Cum Tangible Cost:	Cum Well Cost: $ 2,085,152	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 361.0	Bulk Weight: 247.0	Neat Cement: 82.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/J.N.,B.L.		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 10-FEB-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 529.0 m	TVD: 529.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m					
DOL: 16	DFS: 7	Spud Date: 02/03/99	Daily Footage: 60.0	Daily Rot Hrs: 14.5	Total Rot Hrs: 80.0				
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: 28	
Last Casing Size: 508.0 mm	Set At: 20.0m MD	20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1155	FV: 54	PV: 18	YP: 10.5	Gel: 2 / 15		
WL API: 8.0 HTHP:	FC (mm) API: 1.0 HTHP: 0.0	Solids: 9.00	% Oil: 0.00	%Water: 0.00	% Sand:	MBT: 89.0	Ph: 8.50		
Pm: 0.000	Pf/Mf: 1.00 / 4.00	Carb:	Cl: 400	Ca: 40	Bent:	Solids %HG/LG: / 2.00	%DS/Bent: 0.0 / 3.0		
1 1 LTR TRANSPORTATION									

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
3	517	444.5	HUGHES	T22CT	MAX-22GD	17.5/17.5/17.5/ /	722	459.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
70.0	15.3	10.0/20.0	120 / 180									$ 1382.45
		/	/									

Total Length of BHA: 317.64 m BHA Description: BIT/NB-STAB/SHK-SUB/STR-STAB/11'DC/STR-STAB/5-11"DC'S/BELL-SUB/9"DC/9"-JAR/14 -9"-DC/X/O-SUB/12-5"-HWD

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
3	152 / 152 / 152	229.0/229.0/254.0	80/ 80/100	13100	2.93	67.97	20.60	31.24	144.10	0.6	641.50
	/ /	/ /	/ /								

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
2.25	0000-0215 DRILL 444.5 MM HOLE FROM 469 TO 478M
0.25	0215-0230 RIG SERVICE - SERVICE TOP DRIVE
1.50	0230-0400 DRILL 444.5MM HOLE TO 488M
0.50	0400-0430 SURVEY @ 478M, 2.25 DEG
6.50	0430-1100 DRILL 444.5 MM HOLE TO 516
0.25	1100-1115 RIG SERVICE - SERVICE TOP DRIVE
0.50	1115-1145 CIRCULATE & SURVEY @ 506M, 3 DEG
4.25	1145-1600 DRILL 444.5 MM HOLE TO 529M
1.25	1600-1715 CIRCULATE AND CLEAN HOLE, WORK PIPE
0.25	1715-1730 SURVEY @ 516M, 4.5 DEG
0.50	1730-1800 CIRCULATE HOLE PRIOR TO TRIPPING
5.75	1800-2345 PULL OUT OF HOLE TO CHANGE OUT BHA AND RUN 311MM BIT & BHA TO DRILL PILOT HOLE
0.25	2345-2400 RIG SERVICE - SERVICE TOP DRIVE
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, HODGE, COLEMAN - SAFETY DAYS @ 19

OPERATIONS @ 0600: MAKE UP 311MM PILOT HOLE BHA

OBJECTIVES FOR NEXT 24 HRS: BEGIN DRILLING 311MM PILOT HOLE TO CORRECT DEV. PROBLEM

Daily Mud Cost: $ 4,960	Daily Tangible Cost:	Daily Well Cost: $ 40,357	Incidents: NONE
Cum Mud Cost: $ 53,555	Cum Tangible Cost:	Cum Well Cost: $ 2,020,928	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 361.0	Bulk Weight: 247.0	Neat Cement: 82.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/J.N.,B.L.		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWNC-R8029-400	Date: 09-FEB-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 469.0 m	TVD: 469.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 15	DFS: 6	Spud Date: 02/03/99	Daily Footage: 10.0	Daily Rot Hrs: 0.8	Total Rot Hrs: 65.5
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: 32			

Last Casing Size: 508.0 mm Set At: 20.0m MD 20.0m TVD Shoe Test: 0 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: MI DRILLING FLUIDS Type: SPUD MUD Sample From: FLOW Wt: 1155 FV: 55 PV: 23 YP: 11.5 Gel: 3 / 15

WL API: 8.0 HTHP: FC(mm) API: 1.0 HTHP: 0.0 Solids: 9.00 % Oil: 0.00 %Water: 0.00 % Sand: MBT: 96.0 Ph: 8.50

Pm: 0.000 Pf/Mf: 1.00 / 3.00 Carb: Cl: 450 Ca: 20 Bent: Solids %HG/LG: / 2.00 %DS/Bent: 0.0 / 3.0

2 22KG CAUSTIC 1 19LTR DETERGENT 2 1LTR TRANSPORTATION 3 1OTH TRANSPORTATION

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
2	427	444.5	SEC	87700	SS81-J4	13.5/13.5/13.5/19.5/	728	57.0 m	459.0 m	459.0 m
3	517	444.5	HUGHES	T22CT	MAX-22GD	17.5/17.5/17.5/ /	722	459.0 m		

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
402.0	52.0	0.0/0.0	/	2	4	BT	H7	F	IN	WT	TQ	$ 306.79
10.0	0.8	14.0/18.0	130 / 150									$ 6655.94

Total Length of BHA: 317.64 m BHA Description: BIT/NB-STAB/SHK-SUB/STR-STAB/11'DC/STR-STAB/5-11"DC'S/BELL-SUB/9"DC/9"-JAR/14 -9"-DC/X/O-SUB/12-5"-HWD

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
2	152 / 152 / 0	229.0/229.0/254.0	115/115/	9800	2.43	55.81	17.07	25.88	80.50	0.3	397.50
3	152 / 152 / 152	229.0/229.0/254.0	70/70/100	12500	2.72	63.06	19.11	28.99	115.10	0.5	567.90

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
5.75 T	0000-0545 WAIT ON PARTS FOR SCR	
0.25 T	0545-0600 RIG SERVICE	
3.75 T	0600-0945 REPAIR SCR #1 & #2	
4.25	0945-1400 PULL OUT OF HOLE & CHANGE OUT BIT #2	
2.25	1400-1615 REPAIR ACTUATOR AND TOPDRIVE	
0.25	1615-1630 RIG SERVICE	
2.25	1630-1845 RUN IN HOLE	
0.75	1845-1930 BREAK CIRCULATION @ 230M AND CHECK PUMP #3	
3.50	1930-2300 RIH TO BOTTOM REAMING BRIDGES FROM 290-459M, 5M FILL ON BOTTOM	
0.75	2300-2345 DRILL 444.5MM HOLE FROM 459 TO 469M	
0.25	2345-2400 RIG SERVICE	
	- NOTE EXTRA COSTS	
	- WATERWELL DRILLING $40,000	
	- BIT #3 COSTS $40,000	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, HODGE, COLEMAN - SAFETY DAYS @ 18

OPERATIONS @ 0600: DRLG @501M IN 444MM HOLE @5.2 M/HR. SURVEY @ 479M = 2.25DEG

OBJECTIVES FOR NEXT 24 HRS: CONTINUE DRILLING AHEAD MAX PENETRATION RATE, MIN HOLE PROBLEMS

Daily Mud Cost: $ 19,941	Daily Tangible Cost:	Daily Well Cost: $ 135,231	Incidents: NONE
Cum Mud Cost: $ 48,595	Cum Tangible Cost:	Cum Well Cost: $ 1,980,571	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 378.0	Bulk Weight: 170.0	Neat Cement: 82.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 08-FEB-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 459.0 m	TVD: 458.9 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 14	DFS: 5	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 5.8	Total Rot Hrs: 64.7	
Torque: 0	Drag: 0.0	Rot Weight: 0.0	P/U Weight: 0.0	Slack Off Weight: 0.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 32
Last Casing Size: 508.0 mm	Set At: 20.0m MD 20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1155	FV: 58	PV: 23	YP: 11.5	Gel: 3 / 16
WL API: 6.3 HTHP:	FC (mm) API: 1.0 HTHP: 0.0	Solids: 9.00	% Oil: 0.00	%Water: 0.00	% Sand:	MBT: 96.0	Ph: 8.5
Pm: 0.00	Pf/Mf: 1.00 / 3.00	Carb:	Cl: 400	Ca: 6.1	Bent:	Solids %HG/LG: / 2.00	%DS/Bent: 0.0 / 3.0
2 22KG CAUSTIC 2 19LTRDETERGEN 2 1 OTHTRANSPOR							
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
2	427	444.5	SEC	87700	SS81-J4	13.5/13.5/13.5/19.5/	728	57.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
402.0	52.0	15.0/26.0	150 / 180									$ 294.36
		/	/									

Total Length of BHA: 317.6m BHA Description: BIT/NB-STAB/SHK-SUB/STR-STAB/11'DC/STR-STAB/5-11"DC'S/BELL-SUB/9"DC/9"-JAR/14 -9"-DC/X/O-SUB/12-5"-HWD

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
2	152.0/152.0/ 0.0	/ /	115/115/	9800	2.43	55.81	15.70	25.88	80.50	0.3	397.50
	/ /	/ /	/ /								

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
2.25	0000-0215 DRILL 444.5 MM HOLE FROM 411M TO 430M	
0.25	0215-0230 RIG SERVICE AND SERVICE TOP DRIVE	
3.50	0230-0600 DRILL 444.5MM HOLE TO 459M	
1.00	0600-0700 ACCUMULATED SURVEYS @ 430M 1.75 DEG , 449M 1.875 DEG	
1.50	0700-0830 TRIP BIT #2 PIMP OUT OF HOLE TO 370M	
0.50	0830-0900 REPAIR TOP DRIVE GRABER	
4.25	0900-1315 CONTINUE PULLING PIPE PUMPING AND WORKING PIPE. WORK TIGHT SPOT AT 160 M.	
0.25	1315-1330 RIG SERVICE	
10.50	1330-2400 2 SCRS DOWN. WAIT ON ELECTRIAN AND PARTS TO REPAIR SCR.	
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Remarks:
OBJECTIVES FOR NEXT 24 HRS: CHANGE BIT RIH WITH 444.5MM HUGHES MAX-22GD AND RESUME DRILLING

PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, HODGE, COLEMAN - SAFETY DAYS @ 17

OPERATIONS @ 0600: PIPE @ 194M WAITING ON REPAIRS TO SCR

Daily Mud Cost: $ 8,547	Daily Tangible Cost:	Daily Well Cost: $ 52,610	Accidents: NONE
Cum Mud Cost: $ 28,654	Cum Tangible Cost:	Cum Well Cost: $ 1,845,490	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel: 378.0	Bulk Weight: 170.0	Neat Cement: 82.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
	API No:	AFE No:	Date: 07 Feb 99	Page: 3 Of 3

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 411.0 m	TVD: 410.9 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m	
DOL: 13	DFS: 4	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 17.8	Total Rot Hrs: 59.0
Torque: 0	Drag: 0.0	Rot Weight: 0.0	P/U Weight: 0.0	Slack Off Weight: 0.0	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB: 26			
Last Casing Size: 508.0 mm	Set At: 20.0m MD	20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1135	FV: 81	PV: 31
YP: 18.0	Gel: 3 / 16				
WL API: 6.5	HTHP:	FC (mm) API: 1.0	HTHP: 0.0	Solids: 8.00	% Oil: 0.00
%Water: 0.00	% Sand:	MBT: 85.0	Ph: 8.5		
Pm: 0.00	Pf/Mf: 1.00 / 3.00	Carb:	Cl: 300	Ca: 6.1	Bent:
Solids %HG/LG: / 2.00	%DS/Bent: 0.0 / 3.0				
40 40KG BENTONIT	1 22KG CAUSTIC				

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
2	427	444.5	SEC	87700	SS81-J4	13.5/13.5/13.5/19.5/	728	57.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
354.0	46.3	18.0/26.0	130 / 180									$ 307.22
		/	/									

Total Length of BHA: 317.6m BHA Description: BIT/NB-STAB/SHK-SUB/STR-STAB/11'DC/STR-STAB/5-11"DC'S/BELL-SUB/9"DC/9"-JAR/14 -9"-DC/X/O-SUB/12-5"-HWD

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
2	152.0/152.0/ 0.0	/ /	110/110/	9500	2.32	53.40	15.00	24.75	69.00	0.3	368.70
	/ /	/ /	/ /								

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
2.75	0000-0245 DRILL 444.5 MM HOLE FROM 179 TO 217M	
0.50	0245-0315 CIRCULATE AND SURVEY @ 197M 0.25 DEG	
0.50	0315-0345 RIG SERVICE AND SERVICE TOP DRIVE	
1.25	0345-0500 DRILL 444.5 MM HOLE TO 235M	
0.50	0500-0530 WORK TO GET ROTARY WORKING ON TOP DRIVE	
0.50	0530-0600 SURVEY @ 226M 0.25 DEG	
6.25	0600-1215 DRILL 444.5 MM HOLE TO 317 M	
1.75	1215-1400 ACCUMULATED SURVEYS 251M 0.5DEG, 280M 1 DEG, 308M 1 DEG	
0.50	1400-1430 RIG SERVICE AND SERVICE TOP DRIVE	
7.50	1430-2200 DRILL 444.5MM HOLE TO 411M	
1.75	2200-2345 ACCUMULATED SURVEYS 345M 1.25DEG, 373M 1.5 DEG, 401M 1.75DEG	
0.25	2345-2400 RIG SERVICE	
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Remarks:
OBJECTIVES FOR NEXT 24 HRS: CHANGE BIT RIH WITH 444.5MM HUGHES MAX-22GD AND RESUME DRILLING
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, HODGE, - SAFETY DAYS @ 16
OPERATIONS @ 0600: HOLE DEPTH @ 459M, POOH TO CHANGE OUT BIT

Daily Mud Cost: $ 389	Daily Tangible Cost:	Daily Well Cost: $ 44,440	Accidents: NONE
Cum Mud Cost: $ 20,107	Cum Tangible Cost:	Cum Well Cost: $ 1,792,880	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel: 378.0	Bulk Weight: 170.0	Neat Cement: 82.0	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No:	AFE No:	Date: 06 Feb 99	Page: 2 Of 3		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 179.0 m	TVD: 179.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 12	DFS: 3	Spud Date: 02/03/99	Daily Footage:	Daily Rot Hrs: 19.8	Total Rot Hrs: 41.2	
Torque: 0	Drag: 0.0	Rot Weight: 0.0	P/U Weight: 0.0	Slack Off Weight: 0.0	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 26
Last Casing Size: 508.0 mm	Set At: 20.0m MD	20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1065	FV: 59	PV: 29	YP: 8.5	Gel: 2 / 3
WL API: 7.6	HTHP:	FC (mm) API: 1.0	HTHP: 0.0	Solids:	% Oil: 0.00	%Water: 0.00	% Sand:	MBT: 64.0	Ph: 8.5
Pm: 0.00	Pf/Mf: 1.00 / 3.00	Carb:	Cl: 250	Ca: 12.2	Bent:	Solids %HG/LG: /	%DS/Bent: /
120 40KG BENTONIT 1 22KG CAUSTIC												
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
2	427	444.5	SEC	87700	SS81-J4	13.5/13.5/13.5/19.5/	728	57.0 m		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
122.0	28.5	16.0/22.0	50 / 175									$ 648.92
		/	/									

Total Length of BHA: 37.74m BHA Description: BIT/NB-STAB/SHK-SUB/STR-STAB/11'DC/STR-STAB/2-11'DC/X/O-SUB/X/O-SUB

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
2	152.0/152.0/ 0.0	229.0/229.0/254.0	100/100/	5300	2.11	48.52	13.62	22.49	48.80	0.2	187.00
	/ /	229.0/229.0/254.0	/ /								

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: 24.0
2.00	0000-0200 DRILL 444.5MM HOLE FROM 67 - 71M	
0.50	0200-0230 RIG SERVICE & SERVICE TOP DRIVE	
6.50	0230-0900 DRILL AHEAD 444.5MM HOLE TO 87M	
0.25	0900-0915 RIG SERVICE - SERICE TOP DRIVE	
0.25	0915-0930 WORK ON AUXILLARY PUMP ON TOP DRIVE	
2.00	0930-1130 DRILL 444.5MM HOLE TO 96M	
0.25	1130-1145 DISCONNECT HYDRAULIC MUD SAVER VALVE ON TOP DRIVE	
0.50	1145-1215 CIRCULATE HOLE AND SURVEY @ 87M 0.75 DEG	
1.00	1215-1315 DRILL 444.5 MM HOLE TO 106M	
0.50	1315-1345 CIRCULATE HOLE AND MAKE CONNECTION	
2.25	1345-1600 DRILL 444.5MM HOLE TO 124M	
1.00	1600-1700 CONDITION HOLE AND SURVEY @ 115M, 0.5 DEG	
3.00	1700-2000 DRILL AHEAD 444.5MM HOLE TO 142M	
0.50	2000-2030 CONDITION HOLE AND SURVEY @ 142M, 0.5 DEG	
3.00	2030-2330 DRILL 444.5MM HOLE TO 179M	
0.50	2330-2400 CONDITION HOLE AND SURVEY @ 170M, 0.5 DEG	
	- NOTE: COSTS ADDED TODAY FOR - BULK SAWDUST $11,000	
	- - GRAVEL HAULING $43,500	

Remarks:
OPERATIONS @ 0600: DRILLING AHEAD 444.5MM HOLE @ 240M, 2 PUMPS @ 110 SPM, WOB @ 20 KDAN, ROTARY @ 150 RPM

OBJECTIVES FOR NEXT 24 HRS: CONTINUE DRILLING 444.5 MM HOLE MAXIMIZING ROP, MINIMIZING HOLE PROBLEMS

PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, HODGE, - SAFETY DAYS @ 15

Daily Mud Cost: $ 1,060	Daily Tangible Cost:	Daily Well Cost: $ 139,415	Accidents: NONE
Cum Mud Cost: $ 19,718	Cum Tangible Cost:	Cum Well Cost: $ 1,748,440	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel:	Bulk Weight: 170.0	Neat Cement:	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No:	AFE No: RWWNC-R8029-400	Date: 05 Feb 99	Page: 1 Of 3		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 67.0 m	TVD: 67.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 11	DFS: 2	Spud Date: 02/03/99	Daily Footage: 29.0	Daily Rot Hrs: 16.8	Total Rot Hrs: 21.5	
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: 26
Last Casing Size: 508.0 mm	Set At: 20.0m MD 20.0m TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1054	FV: 43	PV: 17	YP: 3.5	Gel: 2 / 3
WL API: 11.4 HTHP:	FC (mm) API: 1.0 HTHP: 0.0	Solids:	% Oil: 0.00	%Water: 0.00	% Sand:	MBT: 49.0	Ph: 9.10
Pm: 0.000	Pf/Mf: 1.00 / 3.00	Carb:	Cl: 200	Ca: 40	Bent:	Solids %HG/LG: /	%DS/Bent: /

59 40KG BENTONITE NT

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
1	135	444.5	SEC	485679	RR-S44G	17.5/17.5/17.5/ /	721.3	0.0	57.0 m	57.0 m
2	515	444.5	REED	87700	MS51A(RR	13.5/13.5/13.5/19.5/	728	57.0 m		

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
57.0	12.7	15.0/160.0	140 / 140	5	5	WT	A7	E	I	NO	PR	$ 692.98
10.0	8.8	20.0/21.0	50 / 80									$ 4624.77

Total Length of BHA: 37.74 m BHA Description: BIT/NB-STAB/SHK-SUB/STR-STAB/11'DC/STR-STAB/2-11'DC/X/O-SUB/X/O-SUB

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
1	152 / 152 / 0	229.0/229.0/254.0	80/80/	2100	1.69	39.20	10.91	17.98	25.20	0.1	59.30
2	152 / 152 /	229.0/229.0/254.0	100/100/	2400	2.11	48.52	13.62	22.49	48.30	0.2	84.60

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
2.75	0000-0245 DRILL 444.5MM HOLE F/38 M TO 50 M. BOULDERS FROM 42M TO 50 M.	
0.50	0245-0315 TIGHTEN BOLTS ON CLAMPS FOR TOP DRIVE.	
4.50	0315-0745 DRILL 444.5MM HOLE F/50M TO 54M. HARD DRILLING AND BOULDERS	
0.25	0745-0800 RIG SERVICE. FUNCTION TEST ANNULAR	
0.75	0800-0845 DRILL 444.5MM HOLE F/54M TO 57 M. HARD DRILLING.	
0.75	0845-0930 CIRC HOLE CLEAN AND CHANGE OUT TONGS.	
0.25	0930-0945 SURVEY @ 53M - .75DEG.	
0.25	0945-1000 WORK ON GRABBER ON TOP DRIVE.	
4.75	1000-1445 POOH W/ BIT #1. M/U BIT #2. RIH.	
0.25	1445-1500 RIG SERVICE	
8.75	1500-2345 DRILL AHEAD IN 444.5MM HOLE F/ 57 M TO 67 M. HARD FORMATION AND DRILLING BOULDERS	
0.25	2345-2400 RIG SERVICE.	
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Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, HODGE, - SAFETY DAYS @ 14

OPERATIONS @ 0600: DRILLING AHEAD @ 77M, 2 PUMPS @ 100SPM, WOB 20-22 KDAN, ROTARY 110RPM

OBJECTIVES FOR NEXT 24 HRS: CONTINUE TO DRILL AHEAD WITH 444.5MM BIT AND PACKED HOLE ASSEMBLY WATCHING HOLE CONDITIONS CAREFULLY. COMPLETE RIG UP INSPECTION AND GET DEFICIENCIES CORRECTED.

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 78,175	Incidents: NONE
Cum Mud Cost: $ 18,658	Cum Tangible Cost: $ 14,519	Cum Well Cost: $ 1,602,022	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel:	Bulk Weight: 170.0	Neat Cement:	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No: 300K29603012	AFE No: RWWNC-R8029-400	Date: 04-FEB-99	Page: 1 Of 1

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 38.0 m	TVD: 38.0 m	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m		
DOL: 10	DFS: 1	Spud Date: 02/03/99	Daily Footage: 38.0	Daily Rot Hrs: 4.7	Total Rot Hrs: 4.7	
Torq:	Drag:	Rot Wgt:	P/U Wgt:	Slack Off Wgt:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB: 30
Last Casing Size:	Set At: MD	TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: FLOW	Wt: 1054	FV: 42	PV: 16	YP: 2.0	Gel: 2 / 7
WL API: 12.8 HTHP:	FC (mm) API: 1.0 HTHP: 0.0	Solids:	% Oil: 0.00	%Water: 0.00	% Sand:	MBT: 53.0	Ph: 9.50
Pm: 0.000	Pf/Mf: 3.00 / 5.00	Carb:	Cl: 150	Ca: 40	Bent:	Solids %HG/LG: /	%DS/Bent: /

102 40KG BENTONITE NT 80 1N/A TRANSPORTATION

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
1	135	444.5	SEC	485679	RR-S44G	0.0/ / / /	721.3	0.0		
						/ / / /	0			

Meters	Hours	WOB	RPM	I-Row	O-Row	DC	Loc	B	G	Char	?Pull	Cost/m
38.0	4.7	/	140 / 140				•					$ 491.24
		/	/									

Total Length of BHA: 37.74 m BHA Description: BIT/NB-STAB/SHK-SUB/STR-STAB/11'DC/STR-STAB/2-11'DC/X/O-SUB/X/O-SUB

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
1	152 / 152 /	229.0/229.0/254.0	80/ 80/	2100	1.69	39.20	10.91	17.98	25.20	0.1	59.30
	/ /	/ /	/ /								

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
2.00	0000-0200 RIG TO SPUD	
4.00	0200-0600 M/U BHA #1.	
1.00	0600-0700 M/U S PIPE FOR SWIVEL AND RIG UP KELLY HOSE	
1.00	0700-0800 BREAK CIRCULATION, FILL CONDUCTOR, CHECK MUD LINES, AND PRESSURE TEST DIVERTER @ 1000 KPA	
1.25	0800-0915 SPUD @ 0800 AND DRILL OUT CEMENT TO 20M	
1.00	0915-1015 CENTRE TORQUE TUBE	
1.00	1015-1115 DRILL FROM 20 TO 30M	
0.50	1115-1145 WORK DRILL STRING THROUGH BOULDERS	
0.25	1145-1200 RIG SERVICE	
0.25	1200-1215 CHECK BOLTS AND SAFETY PINS ON TOP DRIVE	
2.50	1215-1445 DRILL AHEAD 444.5 MM SURFACE HOLE FROM 30 TO 38M BOULDERS 30-38M	
0.50	1445-1515 WORK HOLE THROUGH BOULDER SECTION PRIOR TO SURVEYING	
0.25	1515-1530 SURVEY @ 29M, DEVIATION 0.5 DEG	
4.50	1530-2000 PULL OUT AND PICK UP STABILIZERS	
2.50	2000-2230 MAKE UP 11" BHA #2	
0.50	2230-2300 BREAK CIRCULATION AND CLEAN TO BOTTOM	
1.00	2300-2400 MAKE UP STAND IN DERRICK	
	- NOTIFIED NEB OF SPUD @ 09:30	

Remarks:
PP&E DAILY WALK AROUND AND INSPECTION MARSH, NEWHOOK, HODGE, VIC - SAFETY DAYS @ 12

OPERATIONS @ 0600: DRILLING AHEAD @ 55M , RPM 40-50, WOB 14.5KDAN, 2 PUMPS @ 80 SPM.

OBJECTIVES FOR NEXT 24 HRS: CONTINUE TO DRILL AHEAD WITH 444.5MM BIT AND PACKED HOLE ASSEMBLY WATCHING HOLE CONDITIONS CAREFULLY.

COMPLETE RIG UP INSPECTION AND GET DEFICIENCIES CORRECTED.

Daily Mud Cost: $ 1,149	Daily Tangible Cost:	Daily Well Cost: $ 51,312	Incidents: NONE
Cum Mud Cost: $ 18,658	Cum Tangible Cost: $ 14,519	Cum Well Cost: $ 1,514,487	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement: Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No: 300K29603012	AFE No: RWNNC-R8029-400	Date: 03-FEB-99	Page: 1 Of 1	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 0.0	TVD: 0.0	PBTD: 0.0	Proposed MD: 2978.0 m	Proposed TVD: 2917.0 m			
DOL: 9	DFS:	Spud Date:	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs:		
Torq:	Drag:	Rot Wgt:	P/U Wgt:	Slack Off Wgt:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB:
Last Casing Size:	Set At: MD	TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type: SPUD MUD	Sample From: PIT	Wt: 1040	FV: 35	PV: 8	YP: 2.0	Gel: 1 / 4
WL API: 13.0 HTHP:	FC (mm) API: 1.0 HTHP: 0.0	Solids:	% Oil: 0.00	%Water: 0.00	% Sand:	MBT:	Ph: 9.00
Pm: 0.000	Pf/Mf: 2.00 /5.00	Carb:	Cl: 150	Ca: 20	Bent:	Solids %HG/LG: /	%DS/Bent: /

2 22KG CAUSTIC 2 22KG SODA ASH 119 40KG BENTONITE NT

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: 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: 24.0
8.00	0000-0800 TIGHTEN UP T BAR ON TORQUE TUBE. TORQUE UP TOP DRIVE & QUILL. NIPPLE UP DIVERTER.	
11.00	0800-1900 CONTINUE NIPPLING UP DIVERTER AND RIG IN FLOW LINE. RIG IN RELIEF LINE FROM DIVERTER TO FLARE PIT.	
0.50	1900-1930 HELD SAFETY MEETING WITH NEW RIG CREW	
4.50	1930-2400 ADJUST POWER CHORDS FOR TOPDRIVE. INSTALL TAP ON CHORDS AND HOSES. GO THROUGH # 3 PUMP RIG UP SHALE SLIDE.	
	- CENTRE DIVERTER ON HOLE	
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Remarks:
OPERATIONS @ 0600: RIG UP KELLY HOSE

OBJECTIVES FOR NEXT 24 HRS: COMEPELTE RIG UP AND SPUD 444.5MM HOLE WITH S44G BIT.

Daily Mud Cost: $ 1,149	Daily Tangible Cost:	Daily Well Cost: $ 27,246	Incidents: NONE
Cum Mud Cost: $ 17,509	Cum Tangible Cost: $ 14,519	Cum Well Cost: $ 1,462,175	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement:	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MARSH/NEWHOOK		
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0		
API No: K29603012330	AFE No: RWWNC-R8029-400	Date: 02-FEB-99	Page: 1 Of 1		

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 0.0	TVD: 0.0	PBTD: 0.0	Proposed MD: 3065.0 m	Proposed TVD: 3000.0 m		
DOL: 8	DFS:	Spud Date:	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs:	
Torque:	Drag:	Rot Weight:	P/U Weight:	Slack Off Weight:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB:
Last Casing Size:	Set At:	MD	TVD	Shoe Test: 0 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: /		

60 1 N/A TRANSPOR

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: 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: 24.0
8.00	0000-0800 RIG UP TOP DRIVE	
12.00	0800-2000 RIG UP DC POWER CHORDS TO TOP DRIVE & HYDRAULIC LINES. CHANGE FITTINGS TO MAKE HOSES FIT.	
	- RIG UP BAILS & ELEVATORS.	
4.00	2000-2400 TIGHTEN TURN BUCKLES ON TORQUE TUBE & TROUBLE SHOOT FLOW PROBLEM WITH TOP DRIVE.	
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Remarks:

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 32,987	Accidents: NONE
Cum Mud Cost: $ 16,360	Cum Tangible Cost:	Cum Well Cost: $ 1,036,364	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement:	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/MARSH
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No:	Date: 01 Feb 99	Page: 8 Of 8

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 0.0	TVD: 0.0	PBTD: 0.0	Proposed MD: 3065.0 m	Proposed TVD: 3000.0 m		
DOL: 7	DFS:	Spud Date:	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs:	
Torque:	Drag:	Rot Weight:	P/U Weight:	Slack Off Weight:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB:
Last Casing Size:	Set At:	MD	TVD	Shoe Test: 0 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: /

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: 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: 24.0
8.00	0000-0800 RIG UP TORQUE TUBE	
16.00	0800-2400 RIG UP TOP DRIVE	
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Remarks:

Daily Mud Cost: $ 8,800	Daily Tangible Cost:	Daily Well Cost: $ 34,037	Accidents: NONE
Cum Mud Cost: $ 8,800	Cum Tangible Cost:	Cum Well Cost: $ 1,003,377	Total Appr: $ 11,306,498

Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement: Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/MARSH	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
	API No:	AFE No:	Date: 31 Jan 99	Page: 7 Of 8

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 0.0	TVD: 0.0	PBTD: 0.0	Proposed MD: 3065.0 m	Proposed TVD: 3000.0 m		
DOL: 6	DFS:	Spud Date:	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs:	
Torque:	Drag:	Rot Weight:	P/U Weight:	Slack Off Weight:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB:
Last Casing Size:	Set At: MD	TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	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: /

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: 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: 24.0
8.00	0000-0800 RIG UP WATER LINES AND GET WATER CIRCULATING	
9.00	0800-1700 UNBRIDLE BLOCKS, RIG UP ROTARY TABLE CHAIN, PICK UP SWIVEL, RIG UP FLOOR	
1.00	1700-1800 HELD PRESPUD MEETING WITH BOTH CREWS AND MI REP.	
6.00	1800-2400 RUN POWER CHORDS FROM SCR TO TOP DRIVE	
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Remarks:

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 24,928	Accidents: NONE
Cum Mud Cost: $ 8,800	Cum Tangible Cost:	Cum Well Cost: $ 969,340	Total Appr: $ 11,306,498
Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement:	Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/MARSH
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0
API No:	AFE No:	Date: 30 Jan 99	Page: 6 Of 8

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 0.0	TVD: 0.0	PBTD: 0.0	Proposed MD: 3065.0 m	Proposed TVD: 3000.0 m	
DOL: 5	DFS:	Spud Date:	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs:
Torque:	Drag:	Rot Weight:	P/U Weight:	Slack Off Weight:	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB:			
Last Casing Size:	Set At: MD	TVD	Shoe Test: 0 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: MI DRILLING FLUIDS	Type:	Sample From: FLOW	Wt: 0	FV: 0	PV: 0
YP: 0.0	Gel: 0 / 0				
WL API: 0.0	HTHP:	FC (mm) API: 0.0	HTHP: 0.0	Solids:	% Oil: 0.00
%Water: 0.00	% Sand:	MBT:	Ph:		
Pm: 0.00	Pf/Mf: 0.00 / 0.00	Carb:	Cl:	Ca:	Bent:
Solids %HG/LG: /	%DS/Bent: /				

1 1 N/A TRANSPOR

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
		/	/									
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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: 16.0
12.00	0800-2000 PREPARE AND INSPECT DERRICK TO RAISE. RAISE DERRICK @ 13:00 HRS. RIG UP FLOOR PLATES & FLOOR TARPS.	
	- RIG UP SHOP AND TARPS. REMOVE CENTRIFUGES, SHALE BIN & MATTING. POSITION MATTING ON PILES AND RIG BACK UP.	
4.00	2000-2400 RESET MATS ON PILES AND REPOSITION BARITE BULK BINS & PREMIX TANKS.	
	- DROVE PILES FOR PIPE RACKS AND CATWALK AND PLACED THE SAME. MUD MAN AND SOLIDS CONTROL REP ON LOC	
	- BOILER FIRED TODAY, BREAK TOWER TODAY	
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Remarks:

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 31,465	Accidents: NONE	
Cum Mud Cost: $ 8,800	Cum Tangible Cost:	Cum Well Cost: $ 944,412	Total Appr: $ 11,306,498	
Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement: Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/MARSH	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No:	Date: 29 Jan 99	Page: 5 Of 8	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 0.0	TVD: 0.0	PBTD: 0.0	Proposed MD: 3065.0 m	Proposed TVD: 3000.0 m			
DOL: 4	DFS:	Spud Date:	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs:		
Torque:	Drag:	Rot Weight:	P/U Weight:	Slack Off Weight:	Wind:	Seas: 0.0 / 0.0	Bar: 0	POB:
Last Casing Size:	Set At:	MD	TVD	Shoe Test: 0 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: /		

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: 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	0700-1900 CONTINUED RIGGING IN PLACED P1000 PUMP, BOILER, SHALE SLOOP, CENTRIFUGES, CATWALK	
	- AND STARTED PLACING 400BBL TANKS IN TANK FARM. FINISHED DRIVING PILES FOR BULK CEMENT	
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Remarks:

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 26,053	Accidents: NONE	
Cum Mud Cost:	Cum Tangible Cost:	Cum Well Cost: $ 912,947	Total Appr: $ 11,306,498	
Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement: Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/MARSH	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No:	Date: 28 Jan 99	Page: 4 Of 8	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 0.0	TVD: 0.0	PBTD: 0.0	Proposed MD: 3065.0 m	Proposed TVD: 3000.0 m		
DOL: 3	DFS:	Spud Date:	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs:	
Torque:	Drag:	Rot Weight:	P/U Weight:	Slack Off Weight:	Wind:	Seas: 0.0 / 0.0
Bar: 0	POB:					
Last Casing Size:	Set At:	MD	TVD	Shoe Test: 0 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: /						

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: 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	0700-1900 CONTINUE RIGGING IN, GET MUD TANKS, MIXING BUILDINGS, AND RIG BUILINGS IN PLACE.	
	- MATS IN PLACE FOR TANK FARM, BEGIN DRIVING PILES FOR TOOL STORAGE AREA, AND FOR CEMENT	
	- AND WATER TANKS. DRILLED A SUCCESSFUL WATERWELL BELOW LOCATION.	
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Remarks:

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 24,127	Accidents: NONE	
Cum Mud Cost:	Cum Tangible Cost:	Cum Well Cost: $ 886,894	Total Appr: $ 11,306,498	
Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement: Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/MARSH	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No:	Date: 27 Jan 99	Page: 3 Of 8	

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth: 0.0	TVD: 0.0	PBTD: 0.0	Proposed MD: 3065.0 m	Proposed TVD: 3000.0 m	
DOL: 2	DFS:	Spud Date:	Daily Footage:	Daily Rot Hrs:	Total Rot Hrs:
Torque:	Drag:	Rot Weight:	P/U Weight:	Slack Off Weight:	Wind:
Seas: 0.0 / 0.0	Bar: 0	POB:			
Last Casing Size:	Set At: MD	TVD	Shoe Test: 0 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: /				
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: 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	0700-1900 BEGIN RIGGING UP RIG. GET SUBSTRUCTURE IN PLACE AND DERRICK STOOD ON CROWN STAND.	
	- PILES AND MATTING IN PLACE FOR MUD TANKS AND RIG BUILDINGS. PILES DRIVEN FOR TANK FARM.	
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Remarks:

Daily Mud Cost: $ 7,560	Daily Tangible Cost:	Daily Well Cost: $ 20,329	Accidents: NONE	
Cum Mud Cost:	Cum Tangible Cost:	Cum Well Cost: $ 862,767	Total Appr: $ 11,306,498	
Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement: Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY/MARSH	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
	API No:	AFE No:	Date: 26 Jan 99	Page: 2 Of 8

CHEVRON (Metric) **Drilling Activity Report**

Measured Depth:	TVD:	PBTD:	Proposed MD: 3065.0 m	Proposed TVD: 3000.0 m				
DOL: 1	DFS:	Spud Date:	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	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: /		

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: 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
	/ /	229.0/229.0/	/ /								
	/ /	229.0/229.0/	/ /								

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	0700-1900 BEGIN MOVING MATTS ONTO LOCATION, CONTINUE DRIVING PILES AND LAYING MATTS FOR SUBSTRUCTURE.	
	-	
	- NOTE: G&A COST FOR ENTIRE WELL ADDED TODAY $498068	
	- JV OVERHEAD COST FOR ENTIRE WELL $ 116900	
	- TRUE TRAINING COST ADDED $17000	
	- ALL RIG & CREW COSTS ADDED SINCE JAN 22	
	- STAND BY COST FOR DEC/JAN @ $ 64600	
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Remarks:

Daily Mud Cost:	Daily Tangible Cost:	Daily Well Cost: $ 842,438	Accidents: NONE	
Cum Mud Cost:	Cum Tangible Cost:	Cum Well Cost: $ 842,438	Total Appr: $ 11,306,498	
Drill Water:	Potable Water:	Fuel:	Bulk Weight:	Neat Cement: Blended:
Country: CANADA	Rig: AKITA #48	Rig Phone: 403-204-2119	Drilling Rep: MCNALLEY	
Field: FT. LIARD	Lease: CHEVRON ET AL FT. LIARD K-29	Well No: WID#1816	Well ID: CR0008 -0	
API No:	AFE No: RWWNC-RB029-400	Date: 25 Jan 99	Page: 1 Of 8	