1866

Chevron Canada Resources

Chevron

PRODUCTION TOUR REPORT

Well Name: Chevron et al McKay Lakes
WBSE#

LSD : O-80
Date : June 11, 2001
Day Number : 1

	CREW		FROM	TO	TIME SUMMARY
DAY CREW	Driller		8:00	8:55	Hold safety meeting and R/U equip.
	Derrick		8:55	9:35	Shut in well, finish R/U equipment
	Derrick		9:35	10:15	RIH PL tools, log base temp pass down, log spinner cal passes
	Motorman		10:15	12:20	Place well on injection, rate # 1, log well
	Floor		12:20	13:25	Log well on rate # 2
	Floor		13:25	15:00	Perform R/A trace log
	Lease		15:00	15:30	Shut in well and log press fall off
	Accum Press.		15:30	16:00	POOH and R/O equipment
	Air Shut Off		16:00	17:25	Place well on injection and cont to R/O equipment
	Stab Valve		17:25		Move off location
	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	Cumulative		
Tangible				
Intangible				
Total	$20,000			
	Lee Tool		Cody Green	
	RIG OR CONTRACTOR		CONTRACTOR REP.	

JOB OBJECTIVE: Perform An Injection Profile Log
DAILY OBJECTIVE: Log well

DETAILS:

Hold safety meeting with crews. Rig up the following equipment: Lee Tool Wireline Unit, picker, safety trailer and first aid unit. Spot and rig up equipment as per CCR/NEB requirements for sour electricline operations.

Shut in well at 08:55 hrs
Continue to rig up equipment.
Function test BOPs.

Make up and RIH with the following Injection Profile Logging Tools:

GR/CCL
Telemetry
R/A Ejector (55 cc Iodine)
Dual Spaced GR
PTF (press/ temp, flow 54 mm continuos spinner)
total length = 7.85 m , OD 42.86 mm

Log base temp / correlation pass from 400 m down to 700 m. Nothing tagged at 700m, decided to stop at this depth as to base temp log is following the geothermal gradient and shows no fluid injection below 630 m. Will confirm tag depth latter in logging program.

Correct depth to Schulmberger Compensated Neutron Log dated Sept. 4, 1999, made a 2.1 m depth correction.

Log spinner calibration passes at 10, 20, 30 m/min (up/down) in the openhole (520 - 550 m). Generate spinner crossplots, good point fits on slopes.
Good spinner overlays, no sign of crossflow.

Re-log base temp. pass down at 10 m/min from 475 m to 700 m.

Position tools at 550 mKB and log in time drive.

Rate # 1 (223m3/day)
Start injection at 223 m3/day: BHP after 35 mins injecting at 550 mKB =11.25 mpa, BHT= 6.58 C, WHP = 5.2 mpa
Log 3 up/down passes at 10, 20, 30 m/min from 475 - 565 mKB
Position tools at 545 mKB and log time drive and increase rate.
Spinner passes indicate > 95 % of fluid is being injected between 503 m(csg shoe) and 516 m and < 5% is being injected 516 m - 525 m.

Company Representative : BJ Kalsi

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	CREW		FROM	TO	TIME SUMMARY
DAY CREW	Driller				Logging Operations Summary:
	Derrick				- Tagged obstruction at 911.4 mKB (TD is at 1028 mKB), tagged obstruction last year at 560 mKB
	Derrick				- > 95 % flow is between 503 m - 516 m
	Motorman				- < 5% flow between 516m - 525 m
	Floor				- TSTM flow below 525 m observed only with RA Tracer shots
	Floor				- no flow upwards from casing shoe
	Lease				
	Accum Press.				
	Air Shut Off				
	Stab Valve				
	Fire Ext.				
	H2S				
NIGHT CREW	Driller				
	Derrick				
	Derrick				
	Motorman				
	Floor				
	Floor				
	BOP				
	Accum Press.				
	Air Shut Off				
	Stab Valve				
	Fire Ext.				

	Today	Cumulative		
Tangible				
Intangible				
Total				

Lee Tool	Cody Green
RIG OR CONTRACTOR	CONTRACTOR REP.

JOB OBJECTIVE: Perform An Injection Profile Log
DAILY OBJECTIVE: Log well

DETAILS:

Rate # 2 (134 m3/day)
Decrease injection rate to 134 m3/d : BHP after 35 mins injection at 2nd rate at 550 mKB = 10.81 mpa, BHT = 6.7 C, WHP = 5.1 mpa.
Log 3 up/down passes at 10, 20, 30 m/min from 475 - 565 mKB.
Spinner passes indicate 100% of fluid is being injected between 503 m(csg shoe) and 515 m.

R/A Trace Log (223 m3/d injection rate)

Position Ejector Tool and Dual Spaced GR at 500 m (~ 3 m inside casing shoe).
Shoot R/A tracer slug # 1 and log in time drive: GR detectors picked up RA slug moving down the hole, **no sign of upward flow up behind the casing shoe.** Log for 5 mins .
Shoot larger R/A tracer slug # 2 and log as above: **no sign of flow upwards behind casing shoe.**

Position tools as follows : CCL 501 m, top GR 502.4 m (inside csg shoe), ejector 503.5 m (in openhole), MGR 504 m, LGR 505 m.
Shoot R/A tracer slug # 3 and log as above: **no sign of flow upwards behind casing shoe.**

Position ejector at 525 m (in openhole, deepest spinner response achieved) to verify any fluid movement below this point.
Shoot R/A tracer slug # 4 and log in time drive for 5 min: **fluid velocity below 515 m = 0.9 m/min.**

Position ejector at 575 m
Shoot R/A tracer slug # 5 and repeat as in # 4 above : **fluid velocity below 575 m = 1.9 m/min.**

Position ejector at 630 m
Shoot R/A tracer slug # 6 and repeat as in # 4 above : **fluid velocity below 630 m = TSTM, no fluid movement.**

Position ejector at 600 m
Shoot R/A tracer slug # 7 and repeat as in # 4 above : **fluid velocity below 630 m = 2 m/min.**

Position ejector at 550 m
Shoot R/A tracer slug # 8 and repeat as in # 4 above : **fluid velocity below 630 m = 0.8 m/min.**

Finish R/A Tracer log, log flowing temp downwards and **tag obstruction at 911.4 mKB (TD is at 1028 mKB).**

Pull up into casing and dump the R/A tracer, log GR pass and position tools at 550 m and log in time drive.

Shut in well and log pressure fall off, shut in temp and GR/temp pass, 30 mins after shut in.
Injecting press = 11,04 mpa, shut in injection wait 30 mins pressure = 8.70 mpa

POOH with logging tools and R/O equipment.
Secure wellhead and place well back on injection.

Company Representative : *BJ Kalsi*