

SUNCOR INC. RESOURCES GROUP

DAILY DRILLING REPORT

Drilling Report At Midnight

D.F.S. 3

1. Date 99-02-09 Well Name Suncor Netla K-77-60-50-122-30 Contractor / Rig AKITA DRILLING LTD./58

2. Depth 540.00 (m) Operation Clean out for casing Progress 139.00 (m)

Ground Elevation 618.40 (m) KB to GL 5.80 (m) KB to CF 625.20 (m) KB Elev. 625.20 (m)

Mud Type	WL	Vis	WL	pH	PV	YP	Solids	Gels	Filter Cake	Polymer
K2SO4 Visplex	1,125.0		11.0	10.10	10.00	27.00	7.5	20.0 / 22.0	1.0	
Potassium Sulfat 27 ax	CAUSTIC 1 SX		VISPLEX 11 3 SX		FLOPLEX 8 SX					
Bit No	Size (mm)	Type	Serial No	Rate	Out (m)	Drilled (m)	Hours	ROP (m/Hr)	Force/RPM	Cond.
2	311.000	J1	87703	14.3 14.3 14.3		225.00	21.50	10.47	12,000 / 190	

6. Assembly: 311.00 Tri-Cone Bit, 228.00 Bit Sub, 3 228.00 Drill Collar, 1 228.00 Cross Over, 1 165.00 Cross Over, 1 157.00 Non-Mag Drill Collar, 1 157.00 Cross Over, 12 178.00 Drill Collar, 171.00 Cross Over, 9 127.00 Heavy Weight Drill Pipe.

7. Surveys: 418.00/1.000/0.000 448.00/0.500/0.000 477.00/0.750/0.000 505.00/0.100/0.000

S.P.M	Size	Stroke	Pressure	Annular Velocity	SPM
75	152.4	254.0	6,400	D.P.	32.7
75	152.4	254.0	6,400	R.S.P.P	
					m/min D.C. 58.9 m/min
					kPa @ SPM

9. B.O.P. Check 99-02-09 Last Drill Incident Last Rig Insp. 99-02-09

Personnel: Total 34 Rig 14 Service 17 Suncor 3 Other 0

10. Time Breakdowns - Hours

Drilling	15.5	Directional	0	Rig Service	.5	Running	0	Corrosion	0
Tripping	5	Conn. Mud	.75	Rig Repair	0	Rin. Casing	0	M.O.C.	0
Circulating	0	Surveys	2	BOP Drill	0	W.S.P.	0	Flowing	0
Logging	0	Slur. Co.	0	Cementing	0	Rig Up/Down	0	Other	0

11. Cost Day \$ 27,924 Cumulative \$ 712,594 AFE \$ 2,042,430 AFE # A9811680K77

12. Operation Summary

FROM	TO	HOURS	CODE	SUB	C	OPERATIONS
00:00	03:00	3.00	2	a	PP	Drill 311 mm from 401 m to 428 mKb
03:00	03:30	0.50	10	a	PP	Surveys as required
03:30	03:45	0.25	7		PP	Rig serviced
03:45	10:45	7.00	2	a	PP	Drilled 311 mm from 428 m to 487 mKb
10:45	11:00	0.25	7		PP	Rig serviced
11:00	11:45	0.75	10	a	PP	Surveys as required
11:45	17:15	5.50	2	a	PP	Drilled 311 mm from 487 m to 540 mKb
17:15	18:00	0.75	5	a	PP	Circulate hole clean prior to wiper trip
18:00	18:15	0.25	10	a	PP	Surveys as required
18:15	18:30	0.25	28		NU	Clean out plugged off flow line
18:30	23:30	5.00	6	h	PP	Wiper tripped to condition well bore. Well bore tight. Tripped in right to bottom.
23:30	00:00	0.50	10	b	PP	Directional surveys on wiper trip in

13. Foreman in Charge L.Brazel / P. Miller 220-9479

Weather Cold -35 -26

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SUNCOR INC. RESOURCES GROUP DAILY DRILLING REPORT

Drilling Report At Midnight

D.F.S. 2

1. Date 99-02-08 Well Name Suncor Netta K-77-60-50-122-30 Contractor / Rig AKITA DRILLING LTD/58

2. Depth 401.00 (m) Operation Drilling 311 mm surface hole Progress 164.00 (m)

Ground Elevation 618.40 (m) KB to GL 6.80 (m) KB to CF 625.20 (m) KB Elev. 625.20 (m)

3.	Mud Type	WL	Vis	W.L	pH	PV	YP	Solids	Gels	Filt. Cake	Polymer	
	K2SO4 Visplex	1,070.0		10.2	10.00	10.00	23.50	4.2	16.0 / 17.0	1.0		
4.	CELLOPHANE 1 SX	Potassium Sulfat 5 sx			FLOPLEX 15 SX			BENTONITE M1 10 SX				
5.	Bit No.	Size (mm)	Type	Serial No.	Jats		Out (m)	Drilled (m)	Hours	ROP (m/Hr)	Force/RPM	Cond
	2	311.000	J1	87703	20.0	15.0 15.0		86.00	6.00	14.33	10,000 / 150	
	1	311.000	HP11	431711	20.0	15.0 15.0	315.00	315.00	24.50	12.86	9,000 / 160	5 3 r

6. Assembly: 311.00 Tri-Cone Bit, 228.00 Bit Sub, 3 228.00 Drill Collar, 228.00 Cross Over, 12 178.00 Drill Collar, 171.00 Cross Over, 9 127.00 Heavy Weight Drill Pipe

7. Surveys: 256.00/0.250/0.000 286.00/0.750/0.000 315.00/0.000/0.000 333.00/0.750/0.000 362.00/0.250/0.000 391.00/0.750/0.000

8.	S.P.M.	Size	Stroke	Pressure	Annular Velocities						
	75	152.4	254.0	6,000	D.P.	32.7	m/min	D.C.	58.9	m/min	
	75	152.4	254.0	6,000	R.S.P.P		kPa	@		SPM	

9. B.O.P. Check 99-02-07 Last Drill Incident Last Rig Insp. 99-02-08

Personnel: Total 30 Rig 14 Service 13 Suncor 3 Other 0

10. Time Breakdowns - Hours

Drilling	13.25	Directional	0	Rig Service	.5	Reaming	2	Coring	0
Tripping	6.75	Cond. Mud	0	Rig Repairs	0	Run Casing	0	W.O.C	0
Circulate	0	Survey	.5	BOP Drill	0	D.S.T.	0	Fishing	0
Logging	0	Slip & Cut	0	Cementing	0	Rig up/down	0	Others	0

11. Cost Day \$ 50,055 Cumulative \$ 684,671 AFE \$ 2,042,430 AFE # A9811680K77

12. Operation Summary

FROM	TO	HOURS	CODE	SUB	C	OPERATIONS
00:00	02:00	2.00	2	a	PP	Drilled 311 mm surface hole from 237m to 255 m.
02:00	03:00	1.00	28		NU	Cleaned out pump suction
03:00	03:15	0.25	7		PP	Rig serviced
03:15	08:30	5.25	2	a	PP	Drilled 311 mm surface hole from 255m to 315m
08:30	13:45	5.25	6	h	PP	Tripped out to condition hole and change bit
13:45	14:00	0.25	7		PP	Rig serviced
14:00	16:00	2.00	3	a	PU	Reamed into hole from 20m to 100m
16:00	17:30	1.50	6	a	PP	Tripped into 315 m
17:30	23:30	6.00	2	a	PP	Drilled 311 mm from 315 m to 401 m
23:30	00:00	0.50	10	a	PP	Surveyed as required

13. Foreman in Charge L.Brazel / P. Miller 220-9479

Weather Snowing -32 -24 Celcius

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SUNCOR INC. RESOURCES GROUP DAILY DRILLING REPORT

Drilling Report At Midnight

D.F.S. 1

1. Date 99-02-07 Well Name Suncor Natta K-77-60-50-122-30 Contractor / Rig AKITA DRILLING LTD/58

2. Depth 237.00 (m) Operation Drill 311mm surface hole Progress 237.00 (m)

Ground Elevation 618.40 (m) KB to GL 6.80 (m) KB to CF 625.20 (m) KB Elev. 625.20 (m)

3. Mud Type	WT	Vis	W.L	pH	PV	YP	Solids	Gels	Filt. Cake	Polymer
K2SO4 Visplex	1,040.0		11.0	11.10	11.00	26.00	2.4	15.0 / 16.0	1.0	
4. Potassium Sulfat 80 sx	VISPLEX 11 20 SX		SODA ASH 10 SX		FLOPLEX 47 SX		BENTONITE M1 40 SX			
5. Bit No.	Size (mm)	Type	Serial No.	Jets	Out (m)	Drilled (m)	Hours	ROP (m/Hr)	Force/RPM	Cond.
1	311.000	HP11	431711	20.0 15.0 15.0		237.00	16.00	14.81	10,000 / 150	

6. Assembly: 311.00 Tri-Cone Bit, 228.00 Bit Sub, 3 228.00 Drill Collar, 228.00 Cross Over, 12 178.00 Drill Collar, 171.00 Cross Over, 9 127.00 Heavy Weight Drill Pipe

7. Surveys: 30.00/0.250/0.000 58.00/0.500/0.000 89.00/0.750/0.000 115.00/0.750/0.000 155.00/0.760/0.000 182.00/0.600/0.000 209.00/1.000/0.000

8. S.P.M.	Size	Stroke	Pressure	Annular Velocities
100	152.4	254.0	2,900	D.P. 21.8 m/min D.C. 39.3 m/min
100	152.0	254.0	2,050	R.S.P.P. kPa @ SPM

9. B.O.P. Check 99-02-07 Last Drill Incident Last Rig Insp. 99-02-07

Personnel: Total 31 Rig 14 Service 14 Suncor 3 Other 0

10. Time Breakdowns - Hours

Drilling	16	Directional	0	Rig Service	.25	Reaming	0	Coring	0
Tipping	0	Cond. Mud	.75	Rig Repairs	0	Run Casing	0	W.O.C.	0
Circulate	0	Survey	2	BOP Drill	0	D.S.T.	0	Fishing	0
Logging	0	Slip & Cut	0	Cementing	0	Rig up/down	2.5	Others	0

11. Cost Day \$ 181,318 Cumulative \$ 634,616 AFE \$ 2,042,430 AFE # A9811680K77

12. Operation Summary

FROM	TO	HOURS	CODE	SUB	C	OPERATIONS
00:00	02:30	2.50	1	a	PP	Pick up 228 mm dc to spud with 311 mm
02:30	03:00	0.50	2	b	PP	Drill out cement in conductor barrel Spud well @ 02:30 hrs 99-02-07
03:00	03:45	0.75	28		PU	Change out shaker screens to 140's
03:45	04:00	0.25	2	b	PP	Drill out cement in conductor barrel
04:00	04:15	0.25	5	a	PP	Displace cement water to drill mud
04:15	05:15	1.00	2	a	PP	Drill 311 mm 31 m to 40 m
05:15	05:30	0.25	10	a	PP	Survey as required
05:30	05:45	0.25	7	a	PP	Rig service
05:45	06:00	0.25	2	a	PP	Drill 311 mm 40 m to 47 m
06:00	07:30	1.50	28		PU	Change out shaker screens to 84's
07:30	08:00	0.50	5	a	PU	Circulate and treat drill mud
08:00	08:30	0.50	2	a	PP	Drill 311 mm 47 m to 55 m
08:30	08:45	0.25	7		PP	Rig serviced
08:45	22:15	13.50	2	a	PP	Drilled 311 mm 55 m to 237 m
22:15	00:00	1.75	10	a	PP	Surveys as required Direction to Location. North of Fort Liard on hwy #7 to Maker post Km 92, Right for 40 km on existing seismic line to location.

13. Foreman in Charge L. Brazel / P. Miller 220-9479

Weather Breezy - 28 -20 Celcius

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