

DAILY GEOLOGICAL REPORT

#REF!

WELL NAME			LOCATION		OPERATOR		RIG	
DEVLAN et al THUNDER RIVER N-73			SECTION 73 N67° 22' 52" W		DEVLAN EXPLORATION INC.		AKITA 14	
DATE	REPORT TIME	REPORTING TO		GEOLOGIST		RIG PHONE	MY CELL	TEMP
26-Feb-01	800	SCOTT PATTERSON		KEITH ROBERTSON		403 997 2529	SAME	-35°
K.B.(m)	G.L.(m)	K.B.-G.L. (m)	SPUD DATE	DAY No.	FORMATION		CURRENT CONDITIONS	
124.2	120.1	4.1	24 Feb, 2001	3	FORT CREEK		CLEAR, VERY COLD	

CURRENT DATA

DEPTHS:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600	310	173	137	2A	VAREL	L127	173	137	22
DRILLING FLUID	DEN (kg/m ³)	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)	HRS DRLG	AVG ROP (m/hr)		
GEL CHEM	1240	56	12.8	9	500	22	6.2		

OPERATIONS SUMMARY FOR PAST 24 HOURS

DRILL AHEAD WITH PILOT HOLE

OPERATIONS FORECAST

TRIP FOR BIT; REAM PILOT HOLE

SURVEYS

DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.
190	2.25°		247	2.°		305	2.°				
218	2.125°		276	2.25°							

GAS REPORT

BACKGROUND TOTAL GAS (UNITS, 100u = 1%)						GAS SHOWS (UNITS, 100u = 1%)					
FROM	TO	ROP	AVE	MAX	GROSS LITHOLOGY	FROM	TO	MAX	PREV.	LITHOLOGY	
174				500	TRIP GAS						
175	192	5\7min	200	320	shale with sandstone stringers						
192	245	4\8min	70	100	shale, siltstone, sandstone,						
245	279	6\12min	100	150	shale with siltstone stringers						
279	310	8\16min	70	90	shale, sandstone stringers,						
					siltstone stringers						

FORMATION/MARKER TOPS

FORMATION/MARKER	PROGNOSIS		SAMPLE		FORMATION/MARKER	PROGNOSIS		SAMPLE	
	MD	SS	MD	SS		MD	SS	MD	SS
FLUVIAL	1.0	123.2			#REF!		124.2		
#REF!		124.2			#REF!		124.2		
#REF!		124.2			FORT CREEK	70.5	53.7		
#REF!		124.2			RAMPARTS (HUME)		124.2		
#REF!		124.2			GOSSAGE		124.2		
#REF!		124.2			LONE MOUNTAIN		124.2		
#REF!		124.2			BEAR ROCK	0.0	124.2		
#REF!		124.2			LOWER LONE MTN	0.0	124.2		
#REF!		124.2			ORDOVICIAN	0.0	124.2		
#REF!		124.2			TD	0.0	124.2		
#REF!		124.2							

COMMENTS & REMARKS

we are at the surface csing point, but have to ream with 311 mm. bit.
These beds must be tipped at a good angle because we could not bring back the inclination, only hold it.

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WELL NAME			LOCATION		OPERATOR		RIG	
DEVLAN et al THUNDER RIVER N-73			SECTION 73 N67° 22' 52" W		DEVLAN EXPLORATION INC.		AKITA 14	
DATE	REPORT TIME	REPORTING TO		GEOLOGIST		RIG PHONE	MY CELL	TEMP
25-Feb-01	800	SCOTT PATTERSON		KEITH ROBERTSON		403 997 2529	SAME	-40°
K.B.(m)	G.L.(m)	K.B.-G.L. (m)		SPUD DATE	DAY No.	FORMATION	CURRENT CONDITIONS	
124.2	120.1	4.1		24 Feb, 2001	2	FORT CREEK	CLEAR, VERY COLD	

CURRENT DATA

DEPTHS:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600	173	23	150	1RR	VAREL	L127	28	145	13
DRILLING FLUID	DEN (kg/m ³)	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)	HRS DRLG	AVG ROP (m/hr)		
GEL CHEM	1260	42	16.8	9	600	13	11.5		

OPERATIONS SUMMARY FOR PAST 24 HOURS

DRILL OUT CEMENT. SPUD AT 0730, DRILL SURFACE HOLE, TRIP,

OPERATIONS FORECAST

DRILL AHEAD

SURVEYS

DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.
60	.75°		133	2.°							
95	.25°		161	2.25°							

GAS REPORT

BACKGROUND TOTAL GAS (UNITS, 100u = 1%)						GAS SHOWS (UNITS, 100u = 1%)				
FROM	TO	ROP	AVE	MAX	GROSS LITHOLOGY	FROM	TO	MAX	PREV.	LITHOLOGY
24	70	1\3min	16	24	GRAVEL					
70	125	2\5min	120	220	SHALE					
125	145	2\5min	200	270	SHALE					
145	173	8\12min	150	250	SHALE					

FORMATION/MARKER TOPS

FORMATION/MARKER	PROGNOSIS		SAMPLE		FORMATION/MARKER	PROGNOSIS		SAMPLE	
	MD	SS	MD	SS		MD	SS	MD	SS
FLUVIAL	1.0	123.2			#REF!		124.2		
#REF!		124.2			#REF!		124.2		
#REF!		124.2			FORT CREEK	70.5	53.7		
#REF!		124.2			RAMPARTS (HUME)		124.2		
#REF!		124.2			GOSSAGE		124.2		
#REF!		124.2			LONE MOUNTAIN		124.2		
#REF!		124.2			BEAR ROCK	0.0	124.2		
#REF!		124.2			LOWER LONE MTN	0.0	124.2		
#REF!		124.2			ORDOVICIAN	0.0	124.2		
#REF!		124.2			TD	0.0	124.2		
#REF!		124.2							

COMMENTS & REMARKS

TRIP OUT OF HOLE TOOK 4 HOURS DUE TO SLOUGHING GRAVELS FROM ABV

DAILY GEOLOGICAL REPORT

#REF!

WELL NAME			LOCATION		OPERATOR		RIG	
DEVLAN et al THUNDER RIVER N-73			SECTION 73 N67° 22' 52" W		DEVLAN EXPLORATION INC.		AKITA 14	
DATE	REPORT TIME	REPORTING TO		GEOLOGIST		RIG PHONE	MY CELL	TEMP
24-Feb-01	800	SCOTT PATTERSON		KEITH ROBERTSON		403 997 2529	SAME	
K.B.(m)	G.L.(m)	K.B.-G.L. (m)	SPUD DATE	DAY No.	FORMATION		CURRENT CONDITIONS	
124.2	120.1	4.1	24 Feb, 2001	1			CLEAR, COLD	

CURRENT DATA

DEPTHS:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600	23	0	23	1RR	VAREL	TGC2791	28	-5	0
DRILLING FLUID	DEN (kg/m^3)	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)	HRS DRLG	AVG ROP (m/hr)		
GEL CHEM	1035	60	28	12	1200	0	#DIV/0!		

OPERATIONS SUMMARY FOR PAST 24 HOURS

CEMENT CONDUCTOR BARREL

OPERATIONS FORECAST

DRILL OUT CEMENT. SPUD AT 0730

SURVEYS

DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.

GAS REPORT

BACKGROUND TOTAL GAS (UNITS, 100u = 1%)						GAS SHOWS (UNITS, 100u = 1%)					
FROM	TO	ROP	MAX	AVG	GROSS LITHOLOGY	FROM	TO	MAX	PREV.	LITHOLOGY	

FORMATION/MARKER TOPS

FORMATION/MARKER	PROGNOSIS		SAMPLE		FORMATION/MARKER	PROGNOSIS		SAMPLE	
	MD	SS	MD	SS		MD	SS	MD	SS
FLUVIAL		124.2			#REF!		124.2		
#REF!		124.2			#REF!		124.2		
#REF!		124.2			FORT CREEK		124.2		
#REF!		124.2			RAMPARTS (HUME)		124.2		
#REF!		124.2			GOSSAGE		124.2		
#REF!		124.2			LONE MOUNTAIN		124.2		
#REF!		124.2			BEAR ROCK	0.0	124.2		
#REF!		124.2			LOWER LONE MTN	0.0	124.2		
#REF!		124.2			ORDOVICIAN	0.0	124.2		
#REF!		124.2			TD	0.0	124.2		
#REF!		124.2							

COMMENTS & REMARKS

DAILY GEOLOGICAL REPORT

#REF!

WELL NAME			LOCATION		OPERATOR		RIG		
DEVLAN et al THUNDER RIVER N-73			N67° 22' 52" W 131° 29' 16"		DEVLAN EXPLORATION INC.		AKITA 14		
DATE	REPORT TIME		REPORTING TO		GEOLOGIST		RIG PHONE	MY CELL	TEMP
23-Feb-01	800		SCOTT PATTERSON		KEITH ROBERTSON		403 997 2529	SAME	
K.B.(m)	G.L.(m)	K.B.-G.L. (m)	SPUD DATE		DAY No.	FORMATION		CURRENT CONDITIONS	
124.2	120.1	4.1	0-Jan-00						

CURRENT DATA

DEPTHS:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600			0					0	
DRILLING FLUID	DEN (kg/m ³)	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)	HRS DRLG	AVG ROP (m/hr)	#DIV/0!	

OPERATIONS SUMMARY FOR PAST 24 HOURS

SET UP EQUIPMENT,

OPERATIONS FORECAST

CEMENT CONDUCTOR BARREL, SPUD, DRILL SURFACE HOLE

SURVEYS

DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.

GAS REPORT

BACKGROUND TOTAL GAS (UNITS, 100u = 1%)						GAS SHOWS (UNITS, 100u = 1%)				
FROM	TO	ROP	MAX	AVG	GROSS LITHOLOGY	FROM	TO	MAX	PREV.	LITHOLOGY

FORMATION/MARKER TOPS

FORMATION/MARKER	PROGNOSIS		SAMPLE		FORMATION/MARKER	PROGNOSIS		SAMPLE	
	MD	SS	MD	SS		MD	SS	MD	SS
FLUVIAL		124.2			#REF!		124.2		
#REF!		124.2			#REF!		124.2		
#REF!		124.2			FORT CREEK		124.2		
#REF!		124.2			RAMPARTS (HUME)		124.2		
#REF!		124.2			GOSSAGE		124.2		
#REF!		124.2			LONE MOUNTAIN		124.2		
#REF!		124.2			BEAR ROCK	0.0	124.2		
#REF!		124.2			LOWER LONE MTN	0.0	124.2		
#REF!		124.2			ORDOVICIAN	0.0	124.2		
#REF!		124.2			TD	0.0	124.2		
#REF!		124.2							

COMMENTS & REMARKS

DAILY GEOLOGICAL REPORT

#REF!

WELL NAME DEVLAN et al THUNDER RIVER N-73			LOCATION 0		OPERATOR DEVLAN EXPLORATION INC.		RIG AKITA 14	
DATE 22-Feb-01	REPORT TIME 800	REPORTING TO SCOTT PATTERSON		GEOLOGIST KEITH ROBERTSON		RIG PHONE 403 997 2529	MY CELL SAME	TEMP
K.B.(m) 124.2	G.L.(m) 120.1	K.B.-G.L. (m) 4.1	SPUD DATE 0-Jan-00	DAY No.	FORMATION		CURRENT CONDITIONS	

CURRENT DATA

DEPTHS:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600			0					0	
DRILLING FLUID	DEN (kg/m ³)	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)			HRS DRLG	AVG ROP (m/hr) #DIV/0!

OPERATIONS SUMMARY FOR PAST 24 HOURS

SET UP EQUIPMENT, CEMENT CONDUCTOR BARREL, SPUD

OPERATIONS FORECAST

DRILL SURFACE HOLE

SURVEYS

DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.

GAS REPORT

BACKGROUND TOTAL GAS (UNITS, 100u = 1%)						GAS SHOWS (UNITS, 100u = 1%)					
FROM	TO	ROP	MAX	AVG	GROSS LITHOLOGY	FROM	TO	MAX	PREV.	LITHOLOGY	

FORMATION/MARKER TOPS

FORMATION/MARKER	PROGNOSIS		SAMPLE		FORMATION/MARKER	PROGNOSIS		SAMPLE	
	MD	SS	MD	SS		MD	SS	MD	SS
FLUVIAL		124.2			#REF!		124.2		
IMPERIAL		124.2			#REF!		124.2		
#REF!		124.2			FORT CREEK		124.2		
#REF!		124.2			RAMPARTS (HUME)		124.2		
#REF!		124.2			GOSSAGE		124.2		
#REF!		124.2			LONE MOUNTAIN		124.2		
#REF!		124.2			BEAR ROCK	0.0	124.2		
#REF!		124.2			LOWER LONE MTN	0.0	124.2		
#REF!		124.2			ORDOVICIAN	0.0	124.2		
#REF!		124.2			TD	0.0	124.2		
#REF!		124.2							

COMMENTS & REMARKS