

# 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 5-Mar-01	REPORT TIME 800	REPORTING TO SCOTT PATTERSON	GEOLOGIST KEITH ROBERTSON		RIG PHONE 403 997 2529		MY CELL SAME	TEMP -14°
K.B.(m) 124.2	G.L.(m) 120.1	K.B.-G.L. (m) 4.1	SPUD DATE 24 Feb, 2001	DAY No. 10	FORMATION GOSSAGE	CURRENT CONDITIONS SLIGHTLY COLD; CLOUDY		

## CURRENT DATA

DEPTH:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600	752	665	87	6	VAREL	ETD09XG	435	317	69
DRILLING FLUID	DEN (kg/m <sup>3</sup> )	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)			HRS DRLG	AVG ROP (m/hr)
GEL CHEM	1050	42	7	9.5	500			23	3.8

## OPERATIONS SUMMARY FOR PAST 24 HOURS

DRILL MAIN HOLE;

## OPERATIONS FORECAST

DRILL MAIN HOLE; POSSIBLE TRIP

## SURVEYS

DEPTH	INCL.	AZ.									
704	1.°										

## 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
665	695	12\20min	40	55	limestone					
695	730	8\12min	40	55	limestone					
730	750	12\20min	20	30	limestone					

## 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)		498.0	-373.8	
#REF!		124.2			GOSSAGE		586.0	-461.8	
#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

No gas at all in this formation. We should be very close to the Lone Mountain Top.

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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
4-Mar-01	800	SCOTT PATTERSON		KEITH ROBERTSON	403 997 2529	SAME	-15°
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	9	GOSSAGE	SLIGHTLY COLD; CLOUDY	

## CURRENT DATA

DEPTH:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600	665	568	97	6	VAREL	ETD09XG	435	230	46
DRILLING FLUID	DEN (kg/m <sup>3</sup> )	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)			HRS DRLG	AVG ROP (m/hr)
GEL CHEM	1050	45	7.5	9.5	400			23	4.2

## OPERATIONS SUMMARY FOR PAST 24 HOURS

DRILL MAIN HOLE;

## OPERATIONS FORECAST

DRILL MAIN HOLE; POSSIBLE TRIP

## SURVEYS

DEPTH	INCL.	AZ.									
598	1.25°										

## 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
565	586	6\12min	40	50	limestone, shale,					
586	650	15\21min	40	50	limestone					
650	653	14\16min	60	80	dolomite					
653	665	12\18min	40	50	limestone					

## 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)		498.0	-373.8	
#REF!		124.2			GOSSAGE		586.0	-461.8	
#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

the dolomite stringer gave indications of gas but there was no gas increase in readings to any extent.

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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	
3-Mar-01	800	SCOTT PATTERSON		KEITH ROBERTSON		403 997 2529	
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	8	HUME		SLIGHTLY COLD, LIGHT SNOW

## CURRENT DATA

DEPTH:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600	568	435	133	6	VAREL	ETD09XG	435	133	23
DRILLING FLUID	DEN (kg/m^3)	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)			HRS DRLG	AVG ROP (m/hr)
GEL CHEM	1060	43	8	9.5	400			23	5.8

## OPERATIONS SUMMARY FOR PAST 24 HOURS

DRILL MAIN HOLE;

## OPERATIONS FORECAST

DRILL MAIN HOLE

## SURVEYS

DEPTH	INCL.	AZ.									
452	2.°										

## 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
435	455	5\8min	75	140	shale					
455	485	5\16min	100	250	shale, fractures,					
485	498	5\7min	50	100	shale					
498	507	4\16min	100	250	shale, limestone, Hume top					
507	565	8\20min	20	50	limestone, shale 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)		498.0	-373.8	
#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

The Hume is low to prog by 25 metres, we should be just on top of the Gossage now.