

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
12-Mar-01	800	SCOTT PATTERSON		KEITH ROBERTSON		403 997 2529	SAME	-20°
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	17	ORDOVICIAN		COLD;LIGHT SNOW	

CURRENT DATA

DEPTHS:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600	1146	1131	15	8	VAREL	ETD17XG	949	197	68
DRILLING FLUID	DEN (kg/m ³)	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)	HRS DRLG	AVG ROP (m/hr)		
GEL CHEM	1060	72	7.6	9.5	600	6.25	2.4		

OPERATIONS SUMMARY FOR PAST 24 HOURS

DRILL AHEAD TO TD, CIRCULATE, DUMMY TRIP; HOLE SWABBING AND FLOWING SLIGHTLY
RUN TO BOTTOM; INCREASE WEIGHT; POOH TO LOG. LOG WELL

OPERATIONS FORECAST

RUN CASING

SURVEYS

DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.
1100	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	
1129	1146	20\30min	10	24	dolomite; shale						
1146				133	trip gas						

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	784.0	-659.8		
#REF!		124.2			BEAR ROCK	880.0	-755.8		
#REF!		124.2			LOWER LONE MTN	949.0	-824.8		
#REF!		124.2			ORDOVICIAN	1065.0	-940.8		
#REF!		124.2			TD	1146.0	-1021.8		
#REF!		124.2							

COMMENTS & REMARKS

the hole started to swab when pulling out then flowed slightly. We ran back to bottom and increased mud weight circulated and pooh to log.
taking mud while pooh.

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DATE	REPORT TIME	REPORTING TO		GEOLOGIST		RIG PHONE	MY CELL	TEMP
11-Mar-01	800	SCOTT PATTERSON		KEITH ROBERTSON		403 997 2529	SAME	-25°
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	16	ORDOVICIAN		COLD;SNOW; WINDY	

CURRENT DATA

DEPTHS:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600	1131	1057	74	8	VAREL	ETD17XG	949	182	61.75
DRILLING FLUID	DEN (kg/m^3)	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)	HRS DRLG	AVG ROP (m/hr)		
GEL CHEM	1050	47	8	9.5	600	23	3.2		

OPERATIONS SUMMARY FOR PAST 24 HOURS

DRILL AHEAD

OPERATIONS FORECAST

DRILL MAIN HOLE;

SURVEYS

DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.	DEPTH	INCL.	AZ.
1100	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	
1074	1105	12\24mir	5	10	dolomite;						
1105	1113	12\20mir	20	40	dolomite; limestone;						
1113	1129	12\21mir	5	10	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	784.0	-659.8		
#REF!		124.2			BEAR ROCK	880.0	-755.8		
#REF!		124.2			LOWER LONE MTN	949.0	-824.8		
#REF!		124.2			ORDOVICIAN	1065.0	-940.8		
#REF!		124.2			TD	0.0	124.2		
#REF!		124.2							

COMMENTS & REMARKS

Since entering the Ordovician we have been getting connection gases.

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DATE	REPORT TIME	REPORTING TO		GEOLOGIST		RIG PHONE	MY CELL	TEMP
10-Mar-01	800	SCOTT PATTERSON		KEITH ROBERTSON		403 997 2529	SAME	-25°
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	15	OWER LONE MOUNTAIN	COLD;CLEAR	

CURRENT DATA

DEPTHS:	CURRENT	LAST REPORT	PROG.	BIT#	MAKE	TYPE	IN AT	METERS	TOTAL BIT HRS
600	1057	1016	41	8	VAREL	ETD17XG	949	108	38.75
DRILLING FLUID	DEN (kg/m ³)	VISCOSITY	WATER LOSS	pH	CHLOR. (ppm)	HRS DRLG	AVG ROP (m/hr)		
GEL CHEM	1040	42	8.4	9.5	800	13	3.2		

OPERATIONS SUMMARY FOR PAST 24 HOURS

MIX LCM DUE TO LOST CIRCULATE AT 1019, DRILL AHEAD CONTINUED LOSSES, MIXING LCM, PLUGGED JET

OPERATIONS FORECAST

DRILL MAIN 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	AVE	MAX	GROSS LITHOLOGY	FROM	TO	MAX	PREV.	LITHOLOGY	
1015	1019	1min	20	30	dolomite; fracture						

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		
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#REF!		124.2			LOWER LONE MTN	949.0	-824.8		
#REF!		124.2			ORDOVICIAN	0.0	124.2		
#REF!		124.2			TD	0.0	124.2		
#REF!		124.2							

COMMENTS & REMARKS

The last samples I have contain varying amounts of light grey green, shale.
I think we are coming to the bottom of this and should be into the Ordovician soon.