EnCana Oil Gas (USA) Inc.
Gap Drilling Plan Prognosis

GAP Name:	Parachute GAP	**State:**	Colorado	
Well Name:	Federal 20-11	**County:**	Garfield	
Pad Name:	PN-20	**Location (SL)**	SE SW 20-7S-95W	1050 FSL 2163 FWL
Rig Name		**Location (BHL)**	NE SW 20-7S-95W	2150 FSL 1980 FWL
Elevation				
KB	13			

Geological Markers	MD	TVD	Comments
WASATCH FM	SURF	SURF	
WASATCH MARKER	2316	2245	
OHIO CREEK (Top Kmv)	3719	3580	
WILLIAMS FORK FM	4125	3970	
TOP GAS	4755	4595	
COAL RIDGE (Paludal)	6220	6060	
Rollins	6610	6450	
Anticipated TD	6810	6650	
Permit TD	6955	6795	

Casing and Cementing Program

DEPTH	HOLE SIZE	SIZE	WEIGHT	GRADE	CEMENT VOLUME
CONDUCTOR					
0-40'	± 24"	16"	0.25" Wall PE	X42	± 5 yds ready mix (to surface)
SURFACE CASING					
0' – 800'	12-1/4"	8-5/8"	24#	J-55, STC, New	512 sx, 15.8#, Class G Neat, 1.16 ft³/sk
					(80% excess)
PRODUCTION CASING					
0' to 6955'	7-7/8"	4-1/2"	11.6#	I80, LTC, New	Lead: 287 sx, 12, TXI, 1.79 cuft/sk, Tail: 456 sx, 13 TXI, 1.43 ft³/sk, (30% excess each)

MUD PROGRAM

DEPTH	MUD TYPE	DENSITY lbs/gal	VISCOSTIY (sec/qt)	LOSS (cc)
0' – 800'	**Fresh Water Gel**	8.8 - 8.9	28 – 35	NC
800' – TD	**LSND**	8.9 – 10.5	35 – 55	10 – 5

ABNORMAL PRESSURES / TEMPERATURES / POTENTIAL HAZARDS

Anticipated BHP	3499	psig	9.9	Anticipated MASP	2005	psig

LOGGING PROGRAM

Mud Logger	None Anticipated
Coring	None Anticipated
DST	None Anticipated
Cased Hole Logs	CBL/CCL/GR/VDL/ RST(in lieu of PEX) to be run in accordance with State Regulations
Open Hole Logs	PEX Optional- At Operator's Discretion
Directional Surveys	Once every 200' with MWD in hole. Once every 1000' while vertical.

EnCana Contacts

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Geologist (Secondary)	TJ Dewane		720.876.5495 / 303.518.3630
Engineer (Drilling)	Frank Fernandez		720.876.3442 / 303.250.7849
Engineer (Completions)	Ryan McGilvery		720.876.3631 / 303.358.8684

ADDITIONAL OPERATOR COMMENTS

EnCana requests permission to drill the discussed well in a "S" shaped well design.