

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

GAP Name: Parachute GAP
Well Name: Federal Gardner 20-6BB
Pad Name: PN-20
Rig Name
Elevation
KB 13

State: Colorado
County: Garfield
Location (SL) SE SW 20-7S-95W 1063 FSL 2163 FWL
Location (BHL) SE NW 20-7S-95W 2470 FNL 1980 FWL

Geological Markers	MD	TVD	Comments
WASATCH FM	SURF	SURF	
WASATCH MARKER	2388	2245	
OHIO CREEK (Top Kmv)	3938	3600	
WILLIAMS FORK FM	4392	4005	
TOP GAS	5038	4625	
COAL RIDGE (Paludal)	6505	6090	
Rollins	6895	6480	
Anticipated TD	7095	6680	
Permit TD	7310	6895	

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 ft ³ /sk (80% excess)
PRODUCTION CASING					
0' to 7310'	7-7/8"	4-1/2"	11.6#	180, LTC, New	Lead: 251 sx, 12, TXI, 1.79 cuft/sk, Tail: 529 sx, 13 TXI, 1.43 ft ³ /sk, (30% excess each)

MUD PROGRAM				
DEPTH	MUD TYPE	DENSITY	VISCOSITY	LOSS
		lbs/gal	(sec/qt)	(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	3620	psig	10.1	Anticipated MASP	2103 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			
Geologist (Primary)	Stacy Tincher	Office / Cell	720.876.5581 / 785.393.2447
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.