



Swift Energy Operating, LLC

Waters 34-12-32 #1H

Horizontal Schematic

RKB – MSL 6907'
RKB – GL 6921'

Field:	Wildcat
County:	La Plata
State:	Colorado
API #:	
Date:	July 2013

Depth	Hole Info	Casing Profile	Lithology	Fluid	Cmt
24" Hole to 60' MD	Pre-Set 20" x 0.5" wall to 60'	20", .5" Wall, 104 lb/ft Set at 60' MD		Gel Spud Mud	TOC = 0' Top out with 100 Sx
17-1/2" Hole to 600' MD	Drill out with Mill Tooth Bit. Trip out and run Surface Casing	13-3/8" 48 lb/ft H-40 STC Casing Set at 600' MD	Menefee @ 260' TVD	Prehydrated Gel Spud Mud 8.5 – 8.7 ppg	Tail Cmt 15.8 ppg (0' - 600') 100% Excess 720 Sx
12-1/4" Hole to 1,450'/1,450' MD/TVD	Drill out with PDC Bit. Trip out and run Surface Casing	9-5/8" 36 lb/ft J-55 BTC Set at 1,450' MD	Point Lookout @ 710' TVD	Flex Firm 8.5 – 8.7 ppg	TOC = 0' Top out with 100 Sx Tail Cmt 15.8 ppg (0' – 1,450') 100% Excess 780 Sx
8-3/4" Hole to 2,655'/2,237' MD/TVD	Shoe Test is to Leak Off KOP @ 1520' Bld Angle 8°/ 100' to ~90° @ 2,237' TVD. Hold AZ of 277° Drill Curve & Lateral with PDC Bit, LWD – GR/GVR-6	5-1/2" 20# N-80 DWC Set at 6,840' MD	Cement Kick Off Plug Smokey Hill Member @ 2,190' TVD Land Point 2,237' TVD M. Smokey Hill Upper Bentonite @ 2,247' TVD Smokey Hill Lower RES @ 2,441' TVD	8.5 – 8.6 ppg Evolution Mud	Set Open hole Cement kick off plug @ 1,350'-2,050' KOP 1,520'
8-1/2" Hole to 6,840'/2,180' MD/TVD	Drill Lateral and Build angle to 90.8° @ 2,745' TVD hold angle and AZ of 277° to 6840'/2180' MD/TVD		TD 6,840' MD 2180' TVD		5-1/2" will not be Cmt'd