



Whiting Oil & Gas Corp
1700 Broadway, Suite 2300
Denver, CO 80290
(303) 837-1661

WOGC Well History Schematic Report

Well Name: RAZOR 27J-3409A

API Number 051233806400		WPC ID 1CO076892		Well Permit Number		Field Name Wildcat		County Weld		State CO																																					
Well Configuration Type Lateral/Horizontal		Orig KB Elev (ft) 4,785.00		Ground Elevation (ft) 4,764.00		Casing Flange Elevation (ft)		Tubing Head Elevation (ft)		Total Depth (ftKB) 13,113.0																																					
Original Spud Date 9/20/2014		Completion Date		Asset Group Redtail		Responsible Engineer Charles Ohlson		N/S Dist (ft) 2,320.0		N/S Ref FSL																																					
E/W Dist (ft) 2,013.0		E/W Ref FEL		Lot		Quarter 1 NW		Quarter 2 SE		Quarter 3																																					
Quarter 4		Section 27		Section Suffix		Section Type		Township 10N		Township N/S Dir N																																					
Range 58W		Range E/W Dir		Meridian		Lateral/Horizontal - Sidetrack 1, 10/6/2014 7:29:58 AM																																									
Jobs						Job Type						Start Date		Summary																																	
Drill & Complete						9/20/2014																																									
Perforations						Type of Hole						Date		Top (ftKB)		Btm (ftKB)																															
Stim/Treat Stages						Stage Type						Start Date		Top (ftKB)		Btm (ftKB)																															
Stim/Treat Fluid						Vol Clean Pump (bbl)																																									
Wellbore Sections						Section Des						Wellbore Name		Size (in)		Act Top (ftKB)		Act Btm (ftKB)		Start Date		End Date																									
Lateral						Sidetrack 1						6		8,167.0		8,333.0		10/5/2014																													
Conductor Pipe, 80.0ftKB						Comment						Run Date						2/18/2014																													
OD (in)						Wt (lb/ft)						Grade						Top (ftKB)						Btm (ftKB)						Len (ft)						Item Des											
16						65.00						H-40						21.0						80.0						59.00						Casing (black)											
Surface Csg, 1,589.5ftKB						Comment						Run Date						9/21/2014																													
12 Centralizers/ 1 Cement basket						OD (in)						Wt (lb/ft)						Grade						Top (ftKB)						Btm (ftKB)						Len (ft)						Item Des					
9 5/8						36.00						J-55						21.0						21.0						0.00						Landing Joint											
9 5/8						36.00						J-55						21.0						28.0						7.00						Well Head											
9 5/8						36.00						J-55						28.0						1,541.9						1,513.94						Casing Joints											
9 5/8						36.00						J-55						1,541.9						1,543.4						1.50						Float Collar											
9 5/8						36.00						J-55						1,543.4						1,587.5						44.06						Casing Joints											
9 5/8						36.00						J-55						1,587.5						1,589.5						2.00						Shoe											
Intermediate Csg, 6,153.7ftKB						Comment						Run Date						9/23/2014																													
15 Turbulizers / 22 bowsprings						OD (in)						Wt (lb/ft)						Grade						Top (ftKB)						Btm (ftKB)						Len (ft)						Item Des					
7						29.00						L-80						21.0						21.0						0.00						Landing Joint											
7						29.00						L-80						21.0						28.0						7.00						Hanger											
7						29.00						L-80						28.0						6,105.7						6,077.69						Casing Joints											
7						29.00						L-80						6,105.7						6,107.7						2.00						Float collar											
7						29.00						L-80						6,107.7						6,152.2						44.53						Casing Joints											
7						29.00						L-80						6,152.2						6,153.7						1.50						Float Shoe											
Liner, 13,100.0ftKB						Comment						Run Date						56 stand off bands																													
OD (in)						Wt (lb/ft)						Grade						Top (ftKB)						Btm (ftKB)						Len (ft)						Item Des											
4 1/2						11.60						P-110						4,947.0						4,963.3						16.34						PBR/tieback sleeve											
4 1/2						11.60						P-110						4,963.3						4,966.7						3.40						TSP Wt Set liner top packer											
4 1/2						11.60						P-110						4,966.7						4,972.5						5.71						CHT Hyd set liner hanger											
4 1/2						11.60						P-110						4,972.5						4,973.1						0.67						Cross Over											
4 1/2						11.60						P-110						4,973.1						13,079.6						8,106.51						Casing Joints											
4 1/2						11.60						P-110						13,079.6						13,084.7						5.10						Pup Joint											
4 1/2						11.60						P-110						13,084.7						13,089.7						5.01						WFT Gen 2 wet shoe											
4 1/2						11.60						P-110						13,089.7						13,094.8						5.10						Pup Joint											
4 1/2						11.60						P-110						13,094.8						13,096.4						1.58						PLB Landing collar											
4 1/2						11.60						P-110						13,096.4						13,098.4						2.00						WFT DBL valve float collar											
4 1/2						11.60						P-110						13,098.4						13,100.0						1.58						WFT Single vavieFloat Shoe											
Cement Stages						Des						Top (ftKB)						Btm (ftKB)						Top Meas Meth						Pump Start Date																	
Conductor Cement												21.0						80.0						Returns to Surface						2/18/2014																	
Surface Casing Cement												21.0						1,589.5						Returns to Surface						9/21/2014																	
Intermediate Casing Cement												21.0						6,153.7						Returns to Surface						9/23/2014																	
Other In Hole						Des						OD (in)						ID (in)						Run Date						Top (ftKB)						Btm (ftKB)											
<des> set at <depth>ftKB on <dtmrun>						Set Depth (ftKB)						Comment						Run Date						Pull Date																							
Item Des						OD (in)						Len (ft)						Top (ftKB)						Btm (ftKB)																							
<des> on <dtmrun>						Rod Description						Run Date																																			
Item Des						OD (in)						Len (ft)						Top (ftKB)						Btm (ftKB)																							