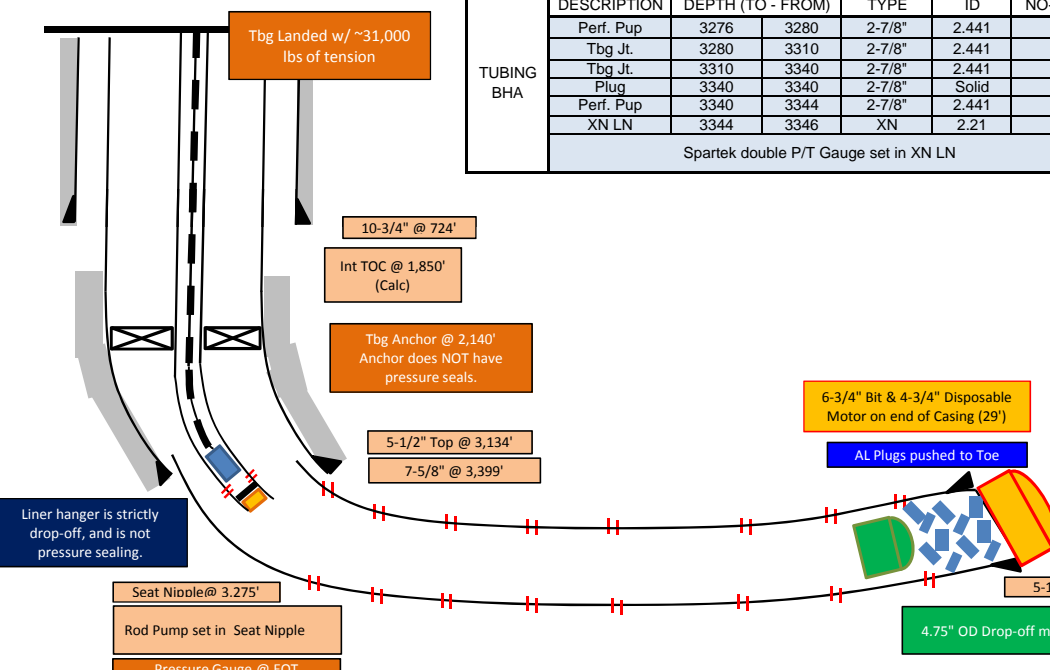


Surface Location:		Sec 31, T5N, R90W		Mechanical Well Sketch							Production Well							Revisions	
Elevation: 6,697' GL		KB : 12'		Durham 1-31														Engineer	Date
API #: 05-081-07622		Williams Fork Unit														MJS	12/22/2011		
Moffat County, Colorado																			
CSG. Info	Casing	Depth (From-To)	Size	Wt	Grade	Burst	Collapse	Collar	Drift	ID	bb/ft	Hole	Mud	Cement	TOC	Comments			
	Surf	11	724	10-3/4"	40.5#	J-55	3130	1580	ST&C	9.894	10.05	0.09812	13.5"	8.6	Surf	Water			
	Prot	11	3,134	7-5/8"	29.7#	P-110	9470	5340	LT&C	6.75	6.875	0.045916	9.875"	6.8	1850	Aerated Water			
	Liner	3,134	6,747	5-1/2"	17#	N-80	7,740	6,280	H511	4.767	4.892	0.023248	6-3/4"	6.5	N/A	Nitrified OBM			
OPEN HOLE Info	Depth (From - To)	Hole	WELL HEAD Info			Style	Valve Connections	Valves	Rating (psi)										
	3419	6750	6-3/4"				Comd.	5k Flange	2-1/16"	3,000									
PERF Info	Depth (From - To)	SPF	Depth (From - To)	SPF	Depth (From - To)	SPF	Depth (From - To)	SPF	Depth (From - To)	SPF	Depth (From - To)	SPF							
	Perforations consist of pre-perforated jt. of casing run every other joint. Perforations are 2' of 3spt @ 120 deg phasing in the middle of the perforated joint. Perforations were plugged with AL knock-out plugs, then knocked out after liner was run.				-	-	-	-	-	-	-	-	-	-					
					-	-	-	-	-	-	-	-	-	-					
					-	-	-	-	-	-	-	-	-	-					
					-	-	-	-	-	-	-	-	-	-					
					-	-	-	-	-	-	-	-	-	-					
					-	-	-	-	-	-	-	-	-	-					
TBG. Info.	Depth	Size	Wt.	Grade	Coupling	Drift	Burst	Collapse	ID	bb/ft									
	3351	2-7/8"	6.5	N-80	EUE	2.347	10570	11160	2.441	0.00579									
SEAT NIPPLE	Depth	Size	MFG	TYPE	Profile ID	PACKER DETAIL		Depth	TYPE	BORE	MFG								
	3275	2-7/8"	WFD	Seat	2.285			2,140			WFD								
																			
X-MAS TREE	Pump Tee	Make		Install Date															
		2-7/8" by 2-7/8" by 2" LP		1/1/2012															
	Rod BOP	Make	Install Date	Rubber Replaced															
		R&M 150H	1/1/2012																
ROTATOR	Stuffing Box	Make	Install Date	Rubber Replaced															
		Big Stuff DPSB	1/1/2012																
	ROD	Make																	
		Huber T-302																	
PUMP JACK	Unit Name	API Size	Max Stroke	Engine	Fuel	HP													
SUCKER ROD STRING																			
Polished Rod	Grade	Size	Coupling	Guides/Rod	Scrappers/Rod	Depth (From - To)													
	Piston	1-1/2"	SM	4		-8	14												
Date Installed: Jan. 2012																			
Taper #1	S-88	1"	SM/SH			14	964												
Date Installed: Jan. 2012 - Only bottom 32 rods are guided																			
Taper #2	S-88	.875"	SM			964	1839												
Date Installed: Jan. 2012																			
Taper #3	S-88	.75"	SM			1839	3014												
Date Installed: Jan. 2012 - Only bottom 29 rods are guided																			
Taper #4																			
Date Installed:																			
Sinker Bars	C	1.5"	SM			3014	3275												
Date Installed: Jan. 2012 3' x 1" guide bars between each sinker bar																			
DOWN HOLE PUMP																			
API Name		Type	Barrel	Seat Assembly	Hold-down														
25-175-RHAC-20-4-2		Rod	20'	Top	3 Cup														
Plunger Size		Plunger Stroke		Total Length		Replacement Date													
1-3/4" by 4"		16"																	
Manufacturer		Pump Screen		Depth															
Weatherford		12" Strainer		3275															
Material																			
Description		Spray Metal Solid Plunger																	
Gas Anchor																			
Description		Poor boy w/ perforated tubing pup																	

