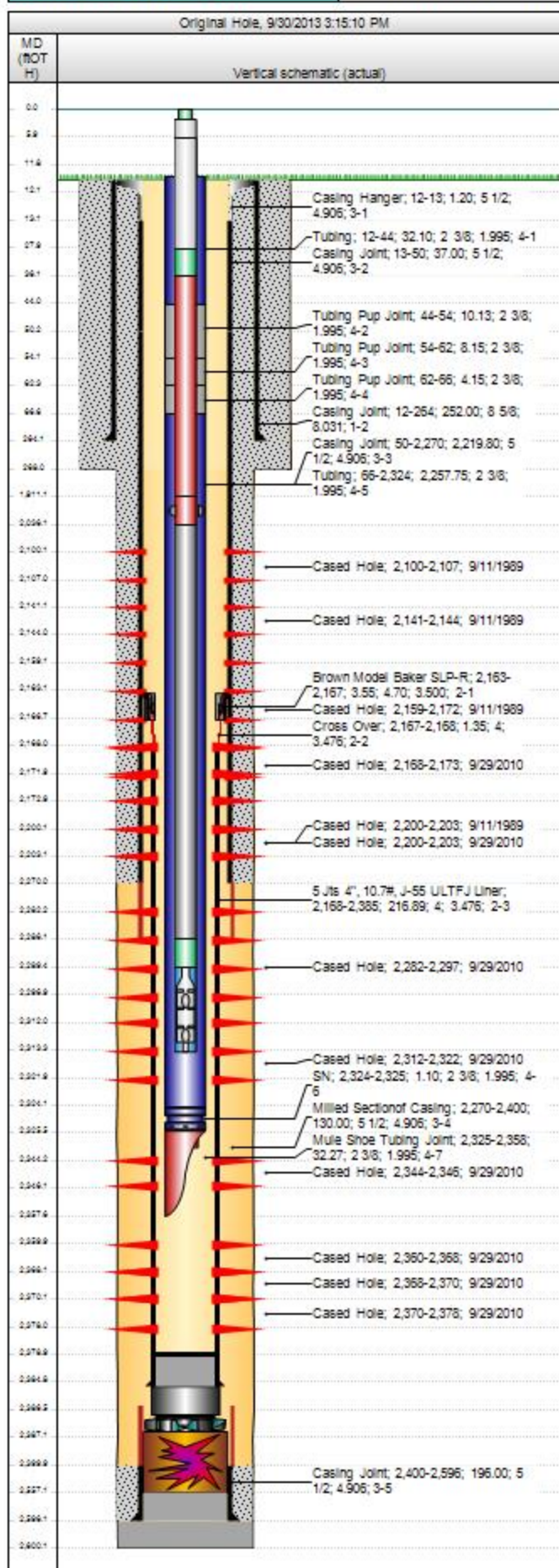




# Wellbore Schematic

Well Name West Animas Isgar GU A-1	Lease West Animas Isgar Gas Unit	Field Name Ignacio-Blanco	Business Unit Mid-Continent
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Job Details						
Job Category			Start Date		Release Date	
Major Rig Work Over (MRWO)						
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftOTH)	
Surface	8 5/8	28.00	H-40		264	
Production Liner 1	4	10.70	J-55		2,385	
Production Casing	5 1/2	17.00	K-55		2,596	
Tubing Strings						
Tubing - Production set at 2,357.6ftOTH on 9/23/2013 16:30						
Tubing Description		Run Date		String Length (ft)		Set Depth (MD) (ftOTH)
Tubing - Production		9/23/2013		2,345.65		2,357.6
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Stm (ftOTH)
Tubing		2 3/8	4.70	L-80	32.10	44.1
Tubing Pup Joint		2 3/8	4.70	L-80	10.13	54.2
Tubing Pup Joint		2 3/8	4.70	L-80	8.15	62.3
Tubing Pup Joint		2 3/8	4.70	L-80	4.15	66.5
Tubing		2 3/8	4.70	L-80	2,257.75	2,324.2
SN		2 3/8	4.70	L-80	1.10	2,325.3
Mule Shoe Tubing Joint		2 3/8	4.70	L-80	32.27	2,357.6
Rod Strings						
<des> on 9/25/2013 14:00						
Rod Description		Run Date		String Length (ft)		Set Depth (ftOTH)
		9/25/2013		2,307.40		2,313.4
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Stm (ftOTH)
Polished Rod	1	1 1/4			22.00	28.0
Pony Rod	1	1 1/4			8.00	36.0
Rods	75	1 1/4			1,875.00	1,911.0
Guided Rods	5	1 1/4			125.00	2,036.0
Sinker Bars	10	1 1/4			250.00	2,286.0
Stabilizer Bar	1	1 1/4			3.40	2,289.4
Rod Pump	1	1 1/4			24.00	2,313.4
Perforations						
Date	Top (ftOTH)	Stm (ftOTH)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion	
9/11/1989	2,100.0	2,107.0	4.0	28	Fruitland Coal, Original Hole	
9/11/1989	2,141.0	2,144.0	4.0	12	Fruitland Coal, Original Hole	
9/11/1989	2,159.0	2,172.0	4.0	52	Fruitland Coal, Original Hole	
9/29/2010	2,168.0	2,173.0	4.0	20	Fruitland Coal, Original Hole	
9/11/1989	2,200.0	2,203.0	4.0	12	Fruitland Coal, Original Hole	
9/29/2010	2,200.0	2,203.0	4.0	12	Fruitland Coal, Original Hole	
9/29/2010	2,282.0	2,297.0	4.0	60	Fruitland Coal, Original Hole	
9/29/2010	2,312.0	2,322.0	4.0	40	Fruitland Coal, Original Hole	
9/29/2010	2,344.0	2,346.0	4.0	8	Fruitland Coal, Original Hole	
9/29/2010	2,360.0	2,368.0	4.0	32	Fruitland Coal, Original Hole	
9/29/2010	2,368.0	2,370.0	8.0	16	Fruitland Coal, Original Hole	
9/29/2010	2,370.0	2,378.0	4.0	32	Fruitland Coal, Original Hole	
Other Strings						
Run Date	Pull Date	Set Depth (ftOTH)		Com		
10/4/2010		400.0		1/4" CAPPILLARY STRING		
Other In Hole						
Des	Top (ftOTH)	Stm (ftOTH)	Run Date	Pull Date	Com	
Cement - PBTD	2,379.0	2,385.0	10/4/2010			
Bit Sub	2,385.0	2,386.6				
Blade Bit	2,386.6	2,387.0				
Fill (Sand / Mud / Debris)	2,387.0	2,557.0				
Cement	2,557.0	2,596.0	8/1/1989			
Cement	2,596.0	2,600.0	8/1/1989			