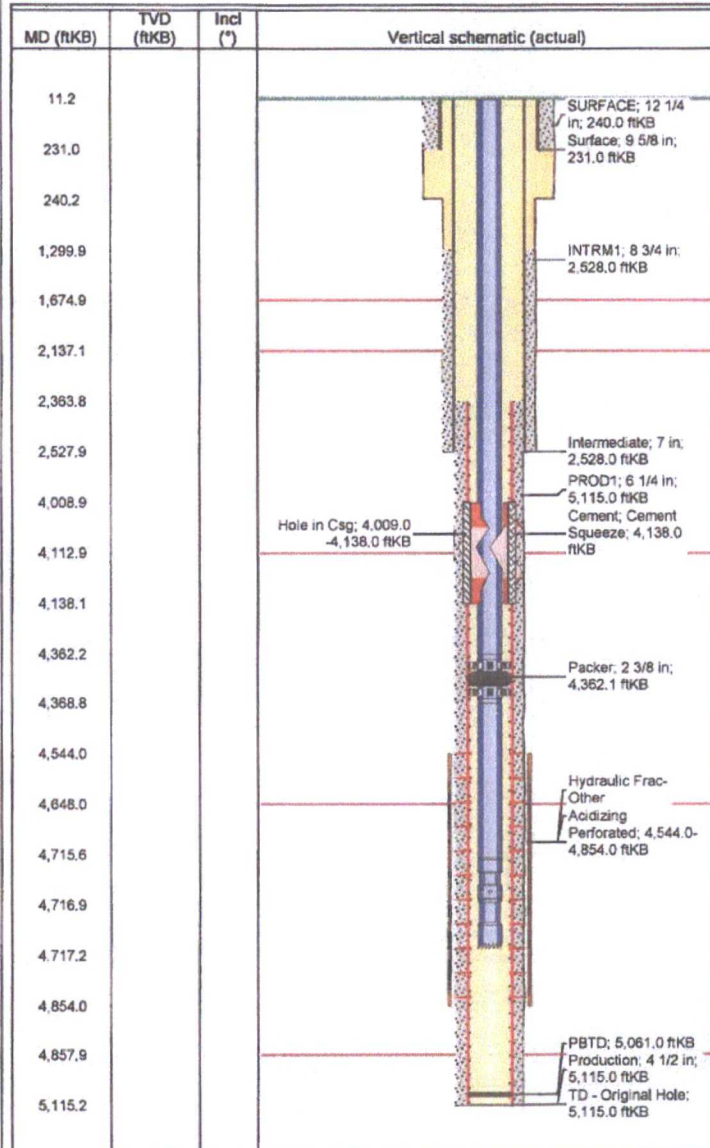




Downhole Well Profile - with Schematic

Well Name: Federal Gas Com 01-01A

API/UWI 30045239440000	Accounting ID 70254	Permit Number	State/Province New Mexico	County San Juan
Location T32N-R12W-S20	Spud Date 6/5/1980 12:45	Original KB Elevation (ft) 5,925.00	Gr Elev (ft) 5,914.00	KB-Ground Distance (ft) 11.00
Casing Flange Elevation (ft)				



Wellbores									
Wellbore Name Original Hole		Parent Wellbore Original Hole			Wellbore API/UWI 30045239440000				
Start Depth (ftKB)		Profile Type			Kick Off Depth (MD) (ftKB)				
11.0									
Section Des		Size (in)		Act Top (ftKB)		Act Btm (ftKB)			
SURFACE		12 1/4		11.0		240.0			
INTRM1		8 3/4		240.0		2,528.0			
PROD1		6 1/4		2,528.0		5,115.0			
Zones									
Zone Name		Top (ftKB)		Btm (ftKB)		Current Status			
Mesaverde		4,544.0		4,854.0					
Casing Strings									
Csg Des		Set Depth (ftKB)		OD (in)		Wt/Len (lb/ft) Grade			
Surface		231.0		9 5/8		32.30 H-40			
Intermediate		2,528.0		7		20.00 K-55			
Production		5,115.0		4 1/2		10.50 K-55			
Cement									
Des		Type			String				
Intermediate Casing Cement		Casing			Intermediate, 2,528.0ftKB				
Production Casing Cement		Casing							
Surface Casing Cement		Casing			Surface, 231.0ftKB				
Cement Squeeze		Squeeze			Production, 5,115.0ftKB				
Tubing Strings									
Tubing Description		Run Date			Set Depth (ftKB)				
Tubing - Production					4,717.2				
Item Des		OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB) Btm (ftKB)		
Tubing		2 3/8	4.70	J-55	135	4,351.06	11.0	4,362.1	
Packer		2 3/8			1	6.75	4,362.1	4,368.8	
Tubing		2 3/8	4.70	J-55	11	346.81	4,368.8	4,715.6	
Seat Nipple		2 3/8			1	1.10	4,715.6	4,716.7	
Notched Collar		2 3/8			1	0.43	4,716.7	4,717.2	
Rod Strings									
Rod Description		Run Date			Set Depth (ftKB)				
Item Des		OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	
Other In Hole									
Run Date		Des		OD (in)		Top (ftKB)		Btm (ftKB)	
		Hole in Csg		4 1/2		4,009.0		4,138.0	
Perforations									
Date		Top (ftKB)		Btm (ftKB)		Zone			
8/5/1980		4,544.0		4,854.0		Mesaverde, Original Hole			



Downhole Well Profile - with Schematic

Well Name: Federal Gas Com 01-01A

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Casing Flange Elevation (ft)				

MD (ftKB)	TVD (ftKB)	Incl (")	Vertical schematic (actual)
11.2			SURFACE: 12 1/4 in; 240.0 ftKB Surface: 9 5/8 in; 231.0 ftKB INTRM1; 8 3/4 in; 2,528.0 ftKB Intermediate; 7 in; 2,528.0 ftKB PROD1; 6 1/4 in; 5,115.0 ftKB Cement; Cement Squeeze; 4,138.0 ftKB Hole in Csg; 4,009.0 -4,138.0 ftKB Packer; 2 3/8 in; 4,362.1 ftKB Hydraulic Frac- Other Acidizing Perforated; 4,544.0-4,854.0 ftKB PBTD; 5,061.0 ftKB Production; 4 1/2 in; 5,115.0 ftKB TD - Original Hole; 5,115.0 ftKB
231.0			
240.2			
1,299.9			
1,674.9			
2,137.1			
2,363.8			
2,527.9			
4,008.9			
4,112.9			
4,138.1			
4,362.2			
4,368.8			
4,544.0			
4,648.0			
4,715.6			
4,716.9			
4,717.2			
4,854.0			
4,857.9			
5,115.2			

Stimulations & Treatments						
Frac #	Top Perf (ftKB)	Bottom Perf (ftKB)	AIR (bb/min)	MIR (bb/min)	TWP (bbf)	Total Proppant (lb)
4544	4544	4854				
4544	4544	4854				