



# XTO - Wellbore Diagram

Well Name: Hill Ranch 10-15V

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
05071073000000	1,905.0	FEL	1,203.0	FNL	T35S-R67W-S10	Purgatoire River	Las Animas	Colorado
Well Configuration Type	XTO ID B	Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Vertical	94677	8,122.00	8,122.00	0.00	6/7/2001	Original Hole - 2480.0	2,545.0	Beam

Well Config: Vertical - Original Hole, 7/16/2012 1:58:54 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zone	Top (ftKB)		Btm (ftKB)	
				-4	Raton	749.5	1,941.0		
				0	Vermejo	2,122.0	2,364.0		
<b>Casing Strings</b>									
Casing Description		OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)			
Surface		8 5/8	24.00	J-55		212.0			
Casing Description		OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)			
Production		5 1/2		J-55		2,510.0			
<b>Cement</b>									
Description		Type			String				
Surface Casing Cement		casing			Surface, 212.0ftKB				
Comment									
Circ 5 bbls cmt to surf									
Description		Type			String				
Production Casing Cement		casing			Production, 2,510.0ftKB				
Comment									
Circ 30 bbl cmt to surf									
<b>Perforations</b>									
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone		
6/6/2012	749.5	751.5	3.0	0.420	120		Raton		
6/6/2012	797.5	798.5	4.0	0.420	120		Raton		
6/6/2012	842.5	843.5	4.0	0.420	120		Raton		
6/6/2012	1,160.0	1,162.0	3.0	0.420	120		Raton		
6/6/2012	1,307.0	1,308.0	3.0	0.420	120		Raton		
6/6/2012	1,328.0	1,330.0	4.0	0.420	120		Raton		
6/6/2012	1,369.0	1,370.0	3.0	0.420	120		Raton		
6/6/2012	1,458.0	1,459.0	4.0	0.420	120		Raton		
6/6/2012	1,940.0	1,941.0	3.0	0.420	120		Raton		
7/24/2002	2,112.0	2,115.0	4.0				Vermejo		
7/24/2002	2,122.0	2,125.0	4.0				Vermejo		
6/24/2001	2,122.0	2,125.0	4.0				Vermejo		
6/24/2001	2,206.0	2,209.0	4.0				Vermejo		
6/24/2001	2,295.0	2,298.0	4.0				Vermejo		
7/24/2002	2,295.0	2,298.0	4.0				Vermejo		
7/24/2002	2,307.0	2,312.0	4.0				Vermejo		
6/24/2001	2,307.0	2,312.0	4.0				Vermejo		
7/23/2002	2,349.0	2,352.0	4.0				Vermejo		
6/24/2001	2,349.0	2,352.0	4.0				Vermejo		
6/24/2001	2,355.0	2,364.0	4.0				Vermejo		
7/23/2002	2,355.0	2,364.0	4.0				Vermejo		
<b>Tubing Strings</b>									
Tubing Description		Run Date			Set Depth (ftKB)				
Tubing - Production		6/13/2012			2,401.3				
<b>Tubing Components</b>									
Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	73		2 7/8	6.50	J-55	8RD EUE	2,370.20	0.0	2,370.2
Seat Nipple	1		2 7/8		J-55	8RD EUE	1.10	2,370.2	2,371.3
OEMA	1		2 7/8	6.50	J-55	8RD EUE	30.00	2,371.3	2,401.3
<b>Rods</b>									
Rod Description		Run Date			String Length (ft)		Set Depth (ftKB)		
Rod String		6/13/2012			2,384.00		2,380.0		
<b>Rod Components</b>									
Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
Polished Rod	1		1 1/4		16.00	-4.0	12.0		
Rod Sub	1		3/4	D	4.00	12.0	16.0		
Rod Sub	1		3/4	D	4.00	16.0	20.0		



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