



XTO - Wellbore Diagram

Well Name: Hill Ranch 26-11-02

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
05071092060000	2,120.0	FWL	1,401.0	FSL	T34S-R67W-S26	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	94995	7,912.00	7,912.00	0.00	4/4/2007	Original Hole - 2445.0	2,550.0	PCP

Well Config: Vertical - Original Hole, 2/7/2012 3:37:34 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones							
					Zone	Top (ftKB)		Btm (ftKB)				
				-15	Vermejo							
				-2	1,965.5		2,254.0					
				0	Casing Strings							
				1	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)		
				3	Conductor	13 3/8	54.50	J-55	ST&C	49.5		
				7	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)		
				13	Surface	8 5/8	24.00	J-55	ST&C	480.7		
				49	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)		
				50	Production	5 1/2	15.50	J-55	LT&C	2,491.0		
				52	Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)		
				98	Stage Collar	5 1/2	15.50	J-55	1,828.9	1,831.0		
				435	Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)		
		480	External Casing Packer	5 1/2	15.50	J-55	1,831.0	1,837.9				
		481	Cement									
		486	Description	Type		String						
		1,821	Conductor Casing Cement	casing		Conductor, 49.5ftKB						
		1,829	Comment									
		1,831	Cmt'd w/ 78 sks MIDCON II Trinidad Surface Blend mixed @ 14.0 ppg & circ 14 bbls to pit.									
		1,838	Description	Type		String						
		1,966	Surface Casing Cement	casing		Surface, 480.7ftKB						
		1,967	Comment									
		1,971	Cmt'd w/ 220 sks MIDCON II Trinidad Surf Blend mixed @ 14.0 ppg & circ 34 bbls cmt to pit									
		1,972	Description	Type		String						
		2,031	Production Casing Cement	casing		Production, 2,491.0ftKB						
		2,032	Comment									
		2,099	Cmt'd 1st STAGE w/ 125 sks MIDCON II Trinidad Prod Blend mixed @ 13.0 ppg & 2nd STAGE Lead w/ 200 sks mixed @ 12.0 ppg f/b 90 sks Tail mixed @ 13.0 ppg. Circ 10 bbls 1st stage & 46 bbls 2nd stage cmt to pit @ 07:27 hrs 04/07/2007									
		2,101	Perforations									
		2,104	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone		
		2,105	5/4/2007	1,965.5	1,966.5			120		Vermejo		
		2,185	5/4/2007	1,971.0	1,972.0			120		Vermejo		
		2,186	5/4/2007	2,031.5	2,032.5			120		Vermejo		
		2,253	5/4/2007	2,099.5	2,101.5			120		Vermejo		
		2,254	5/4/2007	2,104.0	2,105.0			120		Vermejo		
		2,334	5/4/2007	2,185.0	2,186.0			120		Vermejo		
		2,338	5/4/2007	2,253.0	2,254.0			120		Vermejo		
		2,338	Tubing Strings									
		2,345	Tubing Description	Run Date		Set Depth (ftKB)						
		2,346	Tubing - Production	6/11/2008		2,346.9						
		2,347	Tubing Components									
		2,445	Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
		2,445	2335741-3	74	T&C Upset	2 7/8	6.50	J-55	8RD EUE	2,333.52	0.0	2,333.5
		2,447	Tubing Sub	1		2 7/8	6.50	J-55	8RD EUE	4.10	2,333.5	2,337.6
		2,490	Stator	1	30S0...	2 3/4			8RD EUE	7.83	2,337.6	2,345.5
		2,491	No Turn Tool	1		5 1/2				1.05	2,345.5	2,346.5
		2,550	Notched Collar	1		2 7/8			8RD EUE	0.44	2,346.5	2,346.9
			Rods									
			Rod Description	Run Date		String Length (ft)		Set Depth (ftKB)				
			Rod - Rotor	6/11/2008		2,360.25		2,345.2				
			Rod Components									
			Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
			Polished Rod	1		1 1/4		16.00	-15.1	0.9		
			Rod Sub	1		7/8	D	2.00	0.9	2.9		
			Rod Sub	1		7/8	D	4.00	2.9	6.9		

Top (MD):1,966,
Des:Vermejo

PBTD,
2,445

TD, 2,550

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Des:Vermejo

PBTD,
2,445

TD, 2,550

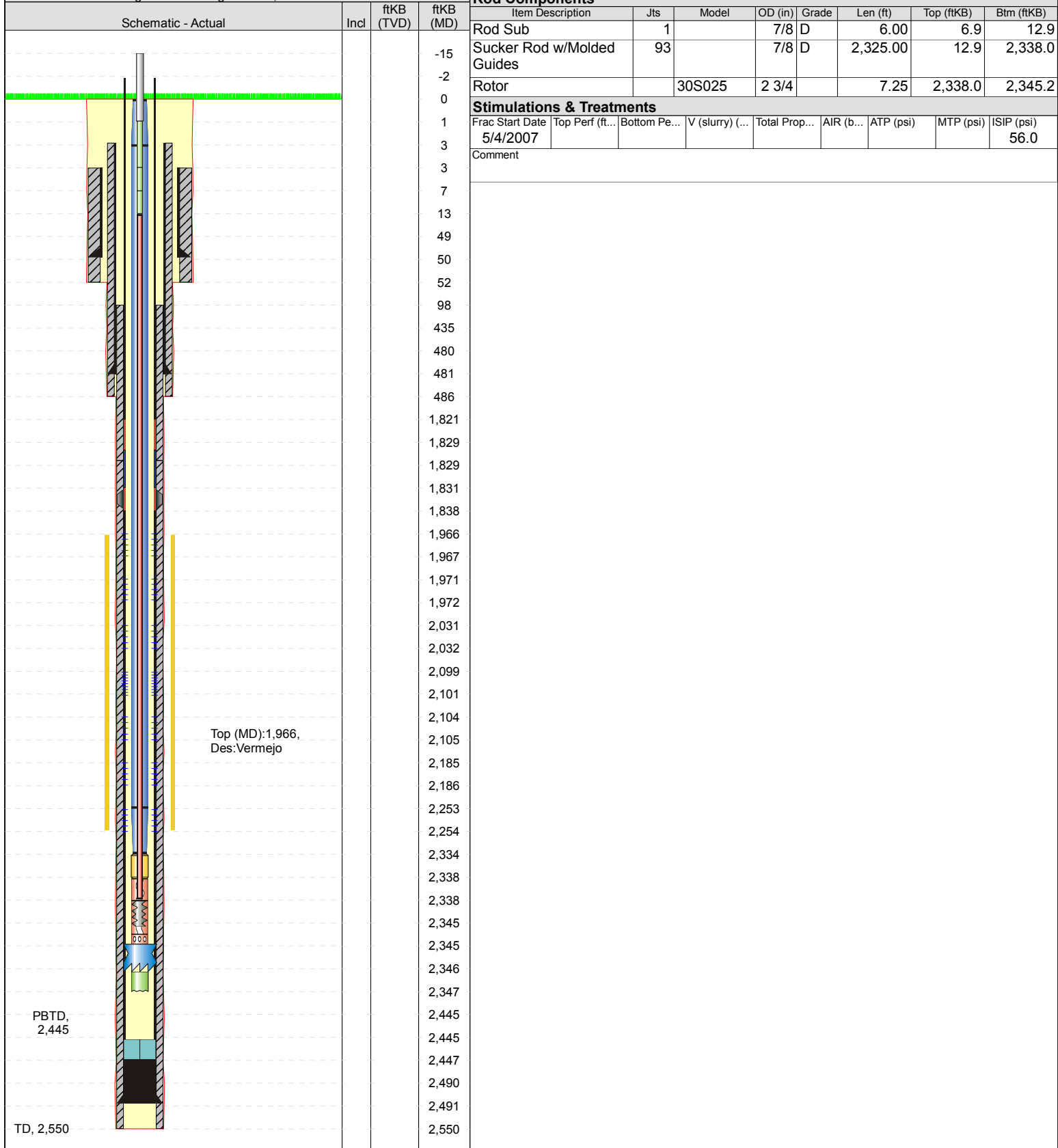


XTO - Wellbore Diagram

Well Name: Hill Ranch 26-11-02

API/UWI 05071092060000	E/W Dist (ft) 2,120.0	E/W Ref FWL	N/S Dist (ft) 1,401.0	N/S Ref FSL	Location T34S-R67W-S26	Field Name Purgatoire River	County Las Animas	State Colorado
Well Configuration Type Vertical	XTO ID B 94995	Orig KB Elev (ft) 7,912.00	Gr Elev (ft) 7,912.00	KB-Grd (ft) 0.00	Spud Date 4/4/2007	PBTD (All) (ftKB) Original Hole - 2445.0	Total Depth (ftKB) 2,550.0	Method Of Production PCP

Well Config: Vertical - Original Hole, 2/7/2012 3:37:34 PM



Rod Components

Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Rod Sub	1		7/8	D	6.00	6.9	12.9
Sucker Rod w/Molded Guides	93		7/8	D	2,325.00	12.9	2,338.0
Rotor		30S025	2 3/4		7.25	2,338.0	2,345.2

Stimulations & Treatments

Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)
5/4/2007								56.0

Comment