



XTO - Wellbore Diagram

Well Name: Hocker 03-35

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
05067098600000	1,216.0	FEL	1,000.0	FSL	T33N-R07W-S35	Ignacio Blanco	La Plata	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
Directional	67741	6,327.00	6,316.00	11.00	11/20/2011	Original Hole - 2994.0	3,046.0	Beam

Well Config: Directional - Original Hole, 6/7/2012 1:43:03 PM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zone		Top (ftKB)	Btm (ftKB)						
					Fruitland Coal		2,584.0	2,722.0						
				11	Casing Strings									
				11	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK..				
				15	Surface	8 5/8	24.00	J-55	STC	424.6				
				17	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK..				
				17	Production	5 1/2	17.00	J-55	LT&C	3,041.2				
				17	Cement									
					Description	Type	String							
					Surface Casing Cement	casing	Surface, 424.6ftKB							
					Comment									
					Ppd Lead w/300 sks Type G cmt (mixed @ 15.8 ppg & 1.17 cu ft/sx yield). Bumped plg @ 190 psig. Psig up to 980. Floats held. Circ 20 bbls cmt to surf.									
					Description	Type	String							
					Production Casing Cement	casing	Production, 3,041.2ftKB							
					Comment									
					Pumped Lead 300 sks @ 12.5#, Yld 2.28, 12.44 ppg, 121.8 bbls Pumped, Pumped Tail 100 sks @ 13.5#, Yld 1.84, 9.14 ppg, 32.7 bbls Pumped w/3 bbls of Good Cmt to Surface.									
					Perforations									
					Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status	Zone		
					5/11/2012	2,584.0	2,630.0	3.0	0.540	120		Fruitland Coal		
					5/11/2012	2,674.0	2,695.0	3.0	0.540	120		Fruitland Coal		
					4/30/2012	2,718.0	2,722.0	4.0	0.540	90		Fruitland Coal		
					Tubing Strings									
					Tubing Description	Run Date	Set Depth (ftKB)							
					Tubing - Production	5/17/2012	2,935.0							
					Tubing Components									
					Item Description	Jts	Model	OD (in)	Wt (lbs/...	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
					Tubing	76	T&C Upset	2 7/8	6.50	J-55		2,503.69	11.4	2,515.1
					5-1/2" x 2-7/8" Tbg	1		4 1/4				2.90	2,515.1	2,518.0
					Anchor Catcher									
					Tubing	9	T&C Upset	2 7/8	6.50	J-55		296.24	2,518.0	2,814.3
					Pump Seating Nipple	1		2 7/8				1.10	2,814.3	2,815.4
					Tubing Sub	1	T&C Upset	2 7/8	6.50	J-55		4.00	2,815.4	2,819.4
					Cavins Desander	1		2 7/8	6.50	J-55		19.75	2,819.4	2,839.1
					Tubing	1	T&C Upset	2 7/8	6.50	J-55		65.89	2,839.1	2,905.0
					Orange Peeled Mud Anchor Joint	1		2 7/8				30.00	2,905.0	2,935.0
					Rods									
					Rod Description	Run Date	String Length (ft)				Set Depth (ftKB)			
					Rod String	5/17/2012	2,797.70				2,815.0			
					Rod Components									
					Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
					Continuous Sucker Rod			13/...	620C	2,448.00	17.3	2,465.3		
					Stabilizer Rod	1		7/8	D	4.00	2,465.3	2,469.3		
					Sinker Bar	1		1 1/2	K	25.00	2,469.3	2,494.3		
					Stabilizer Rod	1		7/8	D	4.00	2,494.3	2,498.3		
					Sinker Bar	2		1 1/2	K	50.00	2,498.3	2,548.3		
					Stabilizer Rod	1		7/8	D	4.00	2,548.3	2,552.3		
					Sinker Bar	2		1 1/2	K	50.00	2,552.3	2,602.3		
					Stabilizer Rod	1		7/8	D	4.00	2,602.3	2,606.3		
					Sinker Bar	2		1 1/2	K	50.00	2,606.3	2,656.3		
					Stabilizer Rod	1		7/8	D	4.00	2,656.3	2,660.3		
					Sinker Bar	2		1 1/2	K	50.00	2,660.3	2,710.3		

Top (MD):2,584,
Des:Fruitland Coal

PBTD,
2,994

TD, 3,046

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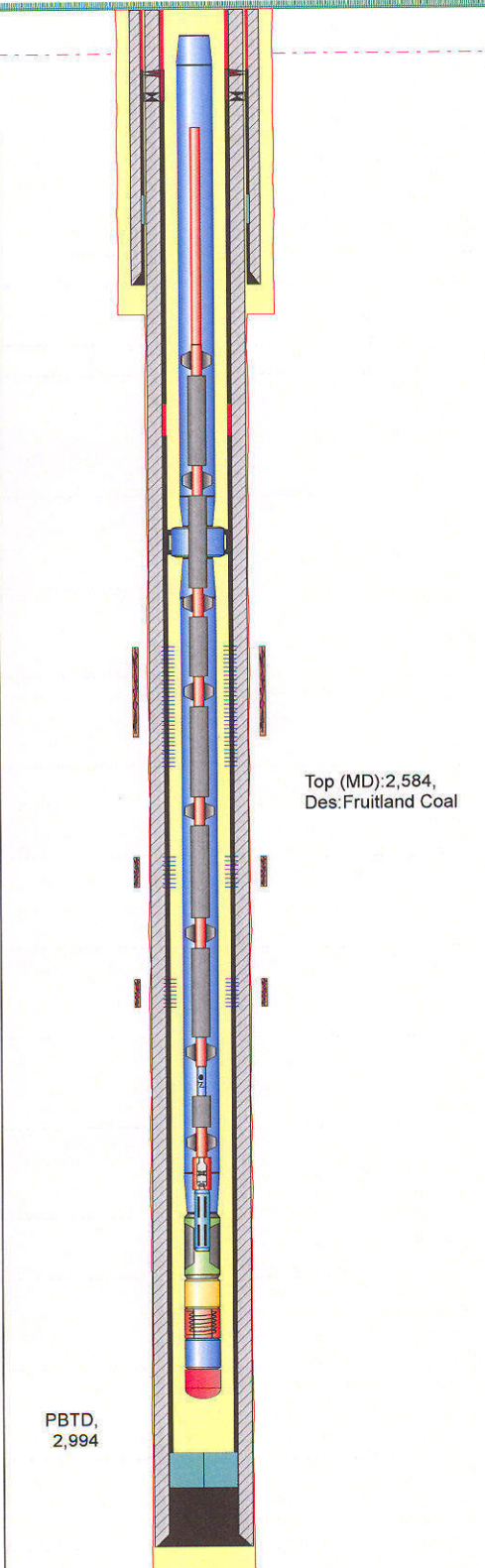


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Well Name: **Hocker 03-35**

API/UWI 05067098600000	E/W Dist (ft) 1,216.0	E/W Ref FEL	N/S Dist (ft) 1,000.0	N/S Ref FSL	Location T33N-R07W-S35	Field Name Ignacio Blanco	County La Plata	State Colorado
Well Configuration Type Directional	XTO ID B 67741	Orig KB Elev (ft) 6,327.00	Gr Elev (ft) 6,316.00	KB-Grd (ft) 11.00	Spud Date 11/20/2011	PBTD (All) (ftKB) Original Hole - 2994.0	Total Depth (ftKB) 3,046.0	Method Of Production Beam

Well Config: Directional - Original Hole, 6/7/2012 1:43:03 PM

Schematic - Actual			Incl	ftKB (TVD)	ftKB (MD)							
				11	Stabilizer Rod	1		7/8	D	4.00	2,710.3	2,714.3
				11	Sinker Bar	2		1 1/2	K	50.00	2,714.3	2,764.3
				15	Stabilizer Rod	1		7/8	D	4.00	2,764.3	2,768.3
				17	Shear Tool - 21K	1		3/4		0.70	2,768.3	2,769.0
				17	Sinker Bar	1		1 1/2	K	25.00	2,769.0	2,794.0
				17	Stabilizer Rod	1		7/8	D	4.00	2,794.0	2,798.0
					Rod Insert Pump	1	RWBC	1 1/2		16.00	2,798.0	2,814.0
					Strainer Nipple	1		1 1/4		1.00	2,814.0	2,815.0
	1.0	221	221	Stimulations & Treatments								
	6.6	375	376	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)
	6.6	377	378	5/2/2012	2,718	2,722		77,520.0	25	2,636.0	4,08...	
	7.6	422	423	Comment								
	7.6	424	425	Screened out on flush								
	7.8	434	435	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)
	10.6	2,203	2,465	5/11/2012	2,584	2,624		52,100.0	31	4,004.0	4,24...	3,476.0
	10.5	2,207	2,469	Comment								
	10.5	2,211	2,473	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)
	10.4	2,225	2,488	5/11/2012	2,674	2,695		132,20...	53	3,445.0	3,72...	2,978.0
	10.3	2,232	2,494	Comment								
	10.3	2,236	2,498									
	10.2	2,252	2,515									
	10.2	2,255	2,518									
	10.2	2,285	2,548									
	10.2	2,289	2,552									
	10.0	2,320	2,584									
	10.0	2,338	2,602									
	10.1	2,342	2,606									
	10.1	2,359	2,624									
	10.1	2,365	2,630									
	10.1	2,391	2,656									
	10.1	2,395	2,660									
	10.2	2,409	2,674									
	10.1	2,429	2,695									
	9.9	2,444	2,710									
	9.8	2,448	2,714									
	9.7	2,452	2,718									
	9.6	2,456	2,722									
	9.3	2,498	2,764									
	9.2	2,502	2,768									
	9.2	2,502	2,769									
	9.1	2,527	2,794									
	9.1	2,531	2,798									
	9.2	2,547	2,814									
	9.2	2,547	2,814									
	9.2	2,548	2,815									
	9.2	2,548	2,815									
	9.2	2,552	2,819									
	9.3	2,572	2,839									
	9.5	2,636	2,905									
	9.4	2,666	2,935									
	9.7	2,724	2,994									
	9.7	2,725	2,995									
	9.7	2,728	2,997									
	9.7	2,769	3,039									
	9.7	2,771	3,041									
9.7	2,775	3,046										

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