



PA Wellbore For State - Vertical

Well Name: Schrant 24-12

Original Hole [Land]		Well Header									
MD (ftK B)	Vertical schematic (actual)	Surface UWI 0512322291				Business Unit Rockies		Gov Auth Dist Evans		Prod Tree Loc Land	
		Orig. KB to Gnd (ft) 10.00		Original Spud Date 7/21/2004		Abandon Date		Well Sub-Status PR		High...	
										N	
		Comment									
Geologic Horizons											
Formation Name										Final Top MD (ftKB)	
Surface Location (Congressional)											
Qtr 3 SE		Qtr 4 SW		Section 12	Twnshp 6	Twnsh...	Range 64	Rng E/...	Latitude (°) 40.49486		Longitude (°) -104.50069
Wellbore Sections											
Section Des				Hole Size (in)			Top Depth (ftKB)		Btm Depth (ftKB)		
Surface				12 1/4			10.0		466.0		
Production				7 7/8			466.0		7,067.0		
Casing Strings											
Csg Des			Run Date		OD (in)	Wt/Len (lb/ft)	Grade	Top Depth (MD) (ftKB)		Set Depth (MD) (ftKB)	
Surface			7/22/2004		8 5/8	24.00	J-55	10		456	
Production			7/25/2004		4 1/2	10.50	M-65	10		7025	
Cement											
Des						Start Date		Top (ftKB)		Btm (ftKB)	
						7/22/2004		10.0		456.0	
						7/25/2004		2,730.0		7,025.0	
Stim/Frac Summary											
Min Top Depth (ftKB)							Max Btm Depth (ftKB)				
Perforations											
Linked Zone Niobrara, Original Hole				Date 8/9/2004 00:00			Top Depth (ftKB) 6,672.0		Bottom Depth (ftKB) 6,678.0		
Linked Zone Codell, Original Hole				Date 8/9/2004 00:00			Top Depth (ftKB) 6,834.0		Bottom Depth (ftKB) 6,840.0		
Linked Zone Codell, Original Hole				Date 11/4/2011 12:00			Top Depth (ftKB) 6,834.0		Bottom Depth (ftKB) 6,842.0		
Other In Hole											
Run Date		Des				Make		OD (in)	Top (ftKB)	Btm (ftKB)	
Logs											
Date		Type					Depth Top (MD) (ftKB)		Btm (ftKB)		
Wellbore Plug Back Total Depths											
Date		Type		Com						PBTD (ftKB)	
8/9/2004										6,976	

Surface Casing Cement, Casing, 7/22/2004 00:00; 10 -456; 2004-07-22; Cementer's Well Service and pumped 250 sacks of Class G cement + 2% CaCl2 + ¼# flake per sack. Plug down at 9 AM with good returns. Wait on cement and nipple up BOP. Production Casing Cement, Casing, 7/25/2004 00:00; 2730-7025; 2004-07-25; HES and pumped 20 bbls of Clayfix Water, 20 bbl mud push, 20 bbls of Clayfix water (had to shut down during pre-flush for about 30 minutes to change out collar on landing joint), 8.8 bbls of 50:50 POZ:G Cement as a marker slurry @ 14.6 ppg, 183.5 bbls (315 sacks) of Hali-Lite Cement @ 11.0 ppg, & 165 sacks of 50:50 POZ:G (48.2 bbls) as a tail slurry @ 14.6 ppg. Shut-down, wash up cement pump & lines to the pit through HES iron, released wiper plug and displaced with 111.8 bbls claytreat water. Plug down OK @ 1:50 p.m. Bumped plug with 2600 psi @ 2.5 bpm, shut down - watched psi stabilize at 2500 psi, released psi to HES inventory tanks and tested plug & lowered casing & slips. Released rig @ 3:00 pm. Calculated TOC approx. 500' above top of Parkman fm. Top of tail slurry approx. 500' above top of Niobrara fm. 6,672.0-6,678.0ftKB on 8/9/2004 00:00; 6672-6678; 2004-08-09 6,834.0-6,840.0ftKB on 8/9/2004 00:00; 6834-6840; 2004-08-09 6,834.0-6,842.0ftKB on 11/4/2011 12:00; 6834-6842; 2011-11-04 12:00

Surface Casing Cement, Casing, 7/22/2004 00:00; 10 -456; 2004-07-22; Cementer's Well Service and pumped 250 sacks of Class G cement + 2% CaCl₂ + 1/4# flake per sack. Plug down at 9 AM with good returns. Wait on cement and nipple up BOP. Production Casing Cement, Casing, 7/25/2004 00:00; 2730-7025; 2004-07-25; HES and pumped 20 bbls of Clayfix Water, 20 bbl mud push, 20 bbls of Clayfix water (had to shut down during pre-flush for about 30 minutes to change out collar on landing joint), 8.8 bbls of 50:50 POZ:G Cement as a marker slurry @ 14.6 ppg, 183.5 bbls (315 sacks) of Hali-Lite Cement @ 11.0 ppg, & 165 sacks of 50:50 POZ:G (48.2 bbls) as a tail slurry @ 14.6 ppg. Shut-down, wash up cement pump & lines to the pit through HES iron, released wiper plug and displaced with 111.8 bbls claytreat water. Plug down OK @ 1:50 p.m. Bumped plug with 2600 psi @ 2.5 bpm, shut down - watched psi stabilize at 2500 psi, released psi to HES inventory tanks and tested plug & lowered casing & slips. Released rig @ 3:00 pm. Calculated TOC approx. 500' above top of Parkman fm. Top of tail slurry approx. 500' above top of Niobrara fm. 6,672.0-6,678.0ftKB on 8/9/2004 00:00; 6672-6678; 2004-08-09 6,834.0-6,840.0ftKB on 8/9/2004 00:00; 6834-6840; 2004-08-09 6,834.0-6,842.0ftKB on 11/4/2011 12:00; 6834-6842; 2011-11-04 12:00