



Cement Jobs by Well

Well Name: Apache Canyon 01-14

Surface Casing Cement

API/UWI 05071079440000	Location T34S-R68W-S01	Field Name Purgatoire River	Permit Number 20032383	State/Province Colorado	Well Configuration Type Vertical
Gr Elev (ft) 8,041.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Spud Date 1/26/2004 00:00	Rig Release Date 1/28/2004 00:00

Surface Casing Cement, 1/27/2004 00:00

Type Casing	Cementing Start Date 1/27/2004	Cementing End Date	Wellbore Original Hole	String Surface, 319.0ftKB
Cementing Company	Evaluation Method	Cement Evaluation Results		

Comment

CMTD CSG W/130 SX TYPE III CMT W/ADDS. CIRC 14 BBLs CMT TO SURF.

1, 0.0-319.0ftKB

Top Depth (ftKB) 0.0	Bottom Depth (ftKB) 319.0	Full Return? No	Vol Cement Ret (bbl)	Top Plug? No	Bottom Plug? No
Initial Pump Rate (bbl/min)	Final Pump Rate (bbl/min)	Avg Pump Rate (bbl/min)		Final Pump Pressure (psi)	Plug Bump Pressure (psi)
Pipe Reciprocated? No	Reciprocation Stroke Length (ft)	Reciprocation Rate (spm)		Pipe Rotated? No	Pipe RPM (rpm)
Tagged Depth (ftKB)	Tag Method	Depth Plug Drilled Out To (ftKB)		Drill Out Diameter (in)	Drill Out Date

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Fluid Type	Fluid Description	Amount (sacks)	Class	Volume Pumped (bbl)
Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Mix H2O Ratio (gal/sack)
Free Water (%)	Density (lb/gal)	Plastic Viscosity (cP)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc

Production Casing Cement, 1/28/2004 00:00

Type Casing	Cementing Start Date 1/28/2004	Cementing End Date	Wellbore Original Hole	String Production, 2,077.0ftKB
Cementing Company	Evaluation Method	Cement Evaluation Results		

Comment

CMTD CSG W/290 SX PREMIUM LITE HS CMT W/ADDS. CIRC 28 BBLs CM TO SURF.

1, 245.0-2,077.0ftKB

Top Depth (ftKB) 245.0	Bottom Depth (ftKB) 2,077.0	Full Return? No	Vol Cement Ret (bbl)	Top Plug? No	Bottom Plug? No
Initial Pump Rate (bbl/min)	Final Pump Rate (bbl/min)	Avg Pump Rate (bbl/min)		Final Pump Pressure (psi)	Plug Bump Pressure (psi)
Pipe Reciprocated? No	Reciprocation Stroke Length (ft)	Reciprocation Rate (spm)		Pipe Rotated? No	Pipe RPM (rpm)
Tagged Depth (ftKB)	Tag Method	Depth Plug Drilled Out To (ftKB)		Drill Out Diameter (in)	Drill Out Date

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Fluid Type	Fluid Description	Amount (sacks)	Class	Volume Pumped (bbl)
Estimated Top (ftKB)	Estimated Bottom Depth (ftKB)	Percent Excess Pumped (%)	Yield (ft³/sack)	Mix H2O Ratio (gal/sack)
Free Water (%)	Density (lb/gal)	Plastic Viscosity (cP)	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc