



Cement Details

Well Name: IONE 1B-2H

Depth (ftKB):

API # 05123361100000		Well Type Gas		Business Unit Southern Rockies		SBU DJ Basin		Area DJ Basin		Pad		State CO		County/Parish WELD			
Orig KB Elev (ft) 5,091.00		Gr Elev (ft) 5,078.00		KB-Grd (ft) 13.00		Total Depth (All) (ftKB) Original Hole - Initial Migration - 0.0		Total Depth (TVD) (ftKB)		Spud Date 12/07/2012 11:00		Final Rig Release D...		Latitude (decimal) (°) 40.17344000		Long (dec) (°) -104.73985000	

Casing Details

Casing Description Surface	Set Depth (ftKB) 1,046.0	Max OD (in) 9 5/8	Min ID (in) 8.8	Wellbore Original Hole - Initial Migration	AFE Number 12170100
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Cement Details

Description Surface Casing Cement	Type Casing	Cementing Start Date 12/07/2012 22:30	Cementing End Date 12/07/2012 23:30	Job New Drill, 12/07/2012 07:30, 12170100	String Surface, 1,046.0ftKB Proposed? <proposedrun>
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Cementing Company Not in List	Cementing Supervisor Kirk Kallhoff	Evaluation Method Returns to Surface
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Comment Safety Meeting w/ Cement Crew, R/U, Pump 20 bbls of H2O, 10 bbls of dyed H2O, 96.8 bbls (428 sx) of 15.2 # Cement, Drop Plug, Displace with 76.4 bbls of H2O. Bumped Plug at 23:20 hrs Held at 800 psi for 5 minutes. Floats held, Good Returns throughout Job and 22 bbls of Good Cement back.	Cement Evaluation Results
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Cement Stages

Stage # 1 , (0.0 ftKB- 1,046.0 ftKB)

Description Surface Casing Cement	Objective	Top Depth (ftKB) 0.0	Bottom Depth (ftKB) 1,046.0	Vol Cement Ret (bbl)	Pressure Held (psi) 800.0	Volume Lost (bbl)
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Wiper Plug Failed?	Float Failed?	Full Return?	Pipe Reciprocated?	Pipe Rotated?	Top Wiper Plug?	Bottom Wiper Plug?	Proposed Drill Out?
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Pump Start Date 12/07/2012	Pump End Date 12/07/2012	Q Pump Init (bbl/min)	Q Pump Final (bbl/...	Q Pump Avg (bbl/min)	P Pump Final (psi)	P Plug Bump (psi) 420.0	Stroke (ft)	Pipe RPM (rpm)
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Tag Cement Date	Tagged Depth (ftKB)	Tag Method	Drill Out Date	Depth Plug Drilled Out To (ftKB)	Drill Out Diameter (in)
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Comment Safety Meeting w/ Cement Crew, R/U, Pump 20 bbls of H2O, 10 bbls of dyed H2O, 96.8 bbls (428 sx) of 15.2 # Cement, Drop Plug, Displace with 76.4 bbls of H2O. Bumped Plug at 23:20 hrs Held at 800 psi for 5 minutes. Floats held, Good Returns throughout Job and 22 bbls of Good Cement back.
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Cement Fluids & Additives

Lead

Sequence Lead	Fluid Description	Estimated Top (ftKB) 0.0	Est Btm (ftKB) 1,046.0	Amount (sacks) 428	Class Type III	Volume Pumped (bbl) 96.8
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Yield (ft³/sack) 1.27	Mix H2O Ratio (gal/s...	Free Water (%)	Water Source	Density (lb/gal)	Plastic Viscosity (cp)	Thickening Time (hr)	CmprStr 1 (psi)
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Additives

Add	Type	Conc	Conc Unit	Amount	Amount Units
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Cement Fluid Viscometer Readings

RPM (rpm)	Reading (lb/100ft²)
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Attachments

Date	Description	Type 1	Type 2	Ref #	Comment
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