

The Road to Excellence Starts with Safety

Sold To #: 372073	Ship To #: 3607707	Quote #: 0021981213	Sales Order #: 0902012287
Customer: TAPSTONE ENERGY LLC		Customer Rep:	
Well Name: SCHUPBACH 3410	Well #: 33-2H	API/UWI #: 15-007-24242-01	
Field: HAZELTON	City (SAP): KIOWA	County/Parish: BARBER	State: KANSAS
Legal Description: NE NW NE NE-4-35S-10W-220FNL-850FEL			
Contractor: NOMAC		Rig/Platform Name/Num: NOMAC 07	
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HX25353		Srcv Supervisor: Brian Dobbs	

### Job

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	822ft Job Depth TVD
Water Depth	Wk Ht Above Floor
Perforation Depth (MD)	From To

### Well Data

Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole Section			12.25				0	822		0
Casing	3	9.625	8.921	36	LTC	J-55	0	822		0

### Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625			822	Top Plug	9.625		HES
Float Shoe	9.625				Bottom Plug	9.625		HES
Float Collar	9.625				SSR plug set	9.625		HES
Insert Float	9.625				Plug Container	9.625		HES
Stage Tool	9.625				Centralizers	9.625		HES

### Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty

### Fluid Data

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Water Spacer	Water Spacer	10	bbl	8.33					
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	Tail Cement	SWIFTCM (TM) SYSTEM	490	sack	15	1.319		4	6.25	

94 lbm		CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
2 %		CALCIUM CHLORIDE, PELLET, 50 LB (101509387)							
0.1250 lbm		POLY-E-FLAKE (101216940)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	Displacement	Displacement	60.0	bbl	8.34				
<b>Cement Left In Pipe</b>	<b>Amount</b>	42 ft			<b>Reason</b>			Shoe Joint	
<b>Mix Water:</b>	pH 7	<b>Mix Water Chloride:</b> ## ppm			<b>Mix Water Temperature:</b>			51 °F °C	
<b>Cement Temperature:</b>	54 °F °C	<b>Plug Displaced by:</b> ## lb/gal kg/m <sup>3</sup> XXXX			<b>Disp. Temperature:</b>			## °F °C	
<b>Plug Bumped?</b>	Yes	<b>Bump Pressure:</b> 880 psi MPa			<b>Floats Held?</b>			Yes	
<b>Cement Returns:</b>	40 bbl m <sup>3</sup>	<b>Returns Density:</b> ## lb/gal kg/m <sup>3</sup>			<b>Returns Temperature:</b>			## °F °C	
<b>Comment</b>									