

The Road to Excellence Starts with Safety

Sold To #: 305440		Ship To #: UNKNOWN		Quote #:		Sales Order #: 7640083	
Customer: SLAWSON COMPANIES				Customer Rep: CHAPMAN, TERRY			
Well Name: Smuggler			Well #: 16-10-62		API/UWI #:		
Field: WILDCAT		City (SAP): UNKNOWN		County/Parish: Weld		State: Colorado	
Contractor: ?			Rig/Platform Name/Num: 3D				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: FLING, MATTHEW			Srvc Supervisor: KELEHER, JASON		MBU ID Emp #: 437348		

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COPELAND, GEORGE Willard		429242	HELNEY, LEE		469472	KELEHER, JASON E		437348

Equipment

HES Unit #	Distance-1 way						
10822531C	78 mile	10824253C	78 mile	10829456	78 mile	10866493C	78 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					16 - Sep - 2010	11:00	MST
Form Type		BHST		On Location	16 - Sep - 2010	15:00	MST
Job depth MD	1001. ft	Job Depth TVD		Job Started	16 - Sep - 2010	16:32	MST
Water Depth		Wk Ht Above Floor		Job Completed	16 - Sep - 2010	18:51	MST
Perforation Depth (MD)	From	To		Departed Loc	16 - Sep - 2010	19:30	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				12.25				.	1005.	.	
Surface Casing	New		9.625	8.921	36.		J-55	.	1001.	.	

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	

Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Dyed Water Spacer		30.00	bbl	8.4	.0	42.0	5.0		
	1.9 lbm/Mgal	RHODAMINE RED LIQUID DYE # 2 (101201084)								
2	Tail Cement 15.8#	CMT - STANDARD TYPE I / II CEMENT (101439798)	370.0	sacks	15.8	1.15	5.0	5.0	5.0	
	94 lbm	TYPE I / II CEMENT, BULK (101439798)								
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)								
	0.125 lbm	POLY-E-FLAKE (101216940)								
	5 Gal	FRESH WATER								
Calculated Values			Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement			Avg. Job			
Cement Left In Pipe		Amount	40 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						

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Well Name: Smuggler		Well #: 16-10-62	API/UWI #:
Field: WILDCAT	City (SAP): UNKNOWN	County/Parish: Weld	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: ?		Rig/Platform Name/Num: 3D	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: FLING, MATTHEW		Srv Supervisor: KELEHER, JASON	MBU ID Emp #: 437348

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	09/16/2010 15:00							
Assessment Of Location Safety Meeting	09/16/2010 15:10							
Test Lines	09/16/2010 16:32							PRESSURE TEST 1500 PSI
Pump Spacer 1	09/16/2010 16:34		5	232			70.0	PUMPED 232 BBLS OF WATER TO GAIN CIRCULATION OF WELL
Pump Spacer 2	09/16/2010 17:48		5	30			70.0	RIG WATER WITH DYE
Pump Cement	09/16/2010 17:54		5	75			112.0	370 SKS CEMENT WITH CALCIUM CHLORIDE AND POLY MIXED AT 15.8 PPG WITH RIG WATER
Shutdown	09/16/2010 18:11							
Drop Plug	09/16/2010 18:11							
Pump Displacement	09/16/2010 18:12		0.5	64			1000.0	PUMPED PLUG UNTIL REACHED 1000 PSI AND UNABLE TO PUMP INTO WELL. WAS UNABLE TO FINISH ALL OF CALCULATED DISPLACEMENT OF 74 BBLS.
Shut In Well	09/16/2010 18:51						425.0	SHUT IN WELL
End Job	09/16/2010 18:52							