

# HALLIBURTON

# Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 2936581	Quote #:	Sales Order #: 9636809
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: Scotts, Steve	
Well Name: Jasper 12H 12V	Well #: 2 / 1	API/UWI #: 15-101-22381	
Field:	City (SAP): DIGHTON	County/Parish: Lane	State: Kansas
Legal Description: Section 12 Township 20S Range 29W			
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: DAIGLE, COLTER		Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263

### Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BERUMEN, EDUARDO	16.5	267804	CARRILLO, EDUARDO Carrillo	16.5	371263	LUNA, JOSE A	16.5	480456
REDFEARN, BRADY Tanner	16.5	497317						

### Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10744298C	165 mile	10988832	165 mile	11133699	165 mile		

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
7-05-2012	12	1	7-06-2012	4.5	3.5			

TOTAL Total is the sum of each column separately

Job				Job Times			
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type			BHST	On Location	05 - Jul - 2012	12:00	CST
Job depth MD	2123. ft		Job Depth TVD	Job Started	05 - Jul - 2012	00:23	CST
Water Depth			Wk Ht Above Floor	Job Completed	05 - Jul - 2012	02:07	GMT
Perforation Depth (MD)	From		To	Departed Loc	05 - Jul - 2012	04:45	CST

### 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
Surface Casing Open Hole				12.25				100.	2132.		
Preset Conductor	Unknown		14.	13.344	50.		J-55	100.			
Surface Casing	Unknown		9.625	8.921	36.			2132.			

### Sales/Rental/3<sup>rd</sup> Party (HES)

Description	Qty	Qty uom	Depth	Supplier
V ASSY, INSR FLOAT, 9 5/8 LG, 8RD, F/ USE	1	EA		
FILLUP ASSY - 1.500 ID - 9-5/8 &	1	EA		
CENTRALIZER-9-5/8"-CSG-12 1/4"-HINGED	15	EA		
COLLAR-STOP-9 5/8"-FRICTION-HINGED	1	EA		
KIT, HALL WELD-A	1	EA		
BASKET - CEMENT - 9-5/8 CSG X 12-1/4	1	EA		
PLUG, CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		
SUGAR - GRANULATED	100	LB		

### 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			

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Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	9 5/8	1	H
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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		
1	ExtendaCem	EXTENDACEM (TM) SYSTEM (452981)			480.0	sacks	12.4	2.1	11.61		11.61		
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)											
	0.25 lbm	POLY-E-FLAKE (101216940)											
	11.607 Gal	FRESH WATER											
2	HalCem	HALCEM (TM) SYSTEM (452986)			280.0	sacks	15.6	1.2	5.32		5.32		
	2 %	CALCIUM CHLORIDE, PELLET, 50 LB (101509387)											
	0.125 lbm	POLY-E-FLAKE (101216940)											
	5.319 Gal	FRESH WATER											
3	Top Out Cement	CMT - STANDARD CEMENT (100003684)			200.0	sacks	15.6	1.18	5.25		5.25		
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)											
	5.245 Gal	FRESH WATER											
Calculated Values			Pressures			Volumes							
Displacement	161	Shut In: Instant	950 psi	Lost Returns	0	Cement Slurry	240	Pad					
Top Of Cement	Surface	5 Min		Cement Returns	80	Actual Displacement	161	Treatment					
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	421				
Rates													
Circulating	6	Mixing	6	Displacement	6	Avg. Job	6						
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									