

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 303246	Ship To #: 2757430	Quote #:	Sales Order #: 7050528
Customer: KEITH WALKER OIL & GAS CO LLC EBUS		Customer Rep: Jones, Barry	
Well Name: IDUN	Well #: 7-1	API/UWI #: 15-025-21491	
Field:	City (SAP): ASHLAND	County/Parish: Clark	State: Kansas
Legal Description: Section 7 Township 33S Range 25W			
Lat: N 37.185 deg. OR N 37 deg. 11 min. 7.764 secs.		Long: E 100.089 deg. OR E 100 deg. 5 min. 19.752 secs.	
Contractor: kenai	Rig/Platform Name/Num: 56		
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: HESTON, MYRON		Srvc Supervisor: BRINKMAN, BENNETT	MBU ID Emp #: 414024

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BRINKMAN, BENNETT Wade	10	414024	FITE, WESLEY	3	453585	LOPEZ, CARLOS	9	321975
MILLER, ELWOOD W	3	459317	NALL, CHAD Alan	9	426530	PARUZINSKI, JOHN Harrison	9	441380

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12-06-09	10	2.5						
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
				On Location	05 - Dec - 2009	17:15	CST
Form Type			BHST	Job Started	05 - Dec - 2009	20:45	CST
Job depth MD	1173.1 ft		Job Depth TVD	Job Started	06 - Dec - 2009	00:00	CST
Water Depth			Wk Ht Above Floor	Job Completed	06 - Dec - 2009	00:00	CST
			5. ft	Departed Loc	06 - Dec - 2009	00:00	CST
Perforation Depth (MD)	From		To				

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 Hole				12.25				92.	1100.		
Conductor	Unknown		20.	19.166	90.		Unknown	.	92.		
Surface Casing	Unknown		8.625	8.097	24.	8 RD (ST&C)	J-55	.	1100.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
SHOE,CSG,TIGER TOOTH,8 5/8 IN 8RD	1	EA		
VLVASSY,INSR FLOAT,8-5/8 8RD, 24 lbs/ft	1	EA		
FILLUP ASSY - 1.500 ID - 7 IN. - 8-5/8	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	10	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	3	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	3	EA		
KIT,HALL WELD-A	1	EA		

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Tools and Accessories														
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	
Guide Shoe	8 5/8	1	H	1173.10	Packer					Top Plug	8 5/8	1	H	
Float Shoe					Bridge Plug					Bottom Plug				
Float Collar	8 5/8	1	H	1131.4	Retainer					SSR plug set				
Insert Float										Plug Container	8 5/8	1	H	
Stage Tool										Centralizers	8 5/8	10	H	
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			
1	Water Pre-Flush				10.00	bbl	8.33	.0	.0	.0				
2	Halliburton Light Standard	HALLIBURTON LIGHT STANDARD - SBM (12313)			360.0	sacks	11.8	2.57	14.94	6.0	14.94			
	3 %	CALCIUM CHLORIDE, PELLETT, 50 LB (101509387)												
	0.25 lbm	POLY-E-FLAKE (101216940)												
	2 %	BENTONITE, BULK (100003682)												
	14.94 Gal	FRESH WATER												
3	Standard Cement	CMT - STANDARD CEMENT (100003684)			150.0	sacks	15.6	1.2	5.32		5.32			
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)												
	2 %	CALCIUM CHLORIDE, PELLETT, 50 LB (101509387)												
	0.125 lbm	POLY-E-FLAKE (101216940)												
	5.319 Gal	FRESH WATER												
4	Displacement				72.00	bbl	8.33	.0	.0	.0				
Calculated Values			Pressures			Volumes								
Displacement	72	Shut In: Instant			Lost Returns			Cement Slurry		196	Pad			
Top Of Cement	SURFACE	5 Min			Cement Returns			25	Actual Displacement		72	Treatment		
Frac Gradient		15 Min			Spacers			10	Load and Breakdown		Total Job 278			
Rates														
Circulating	5	Mixing			4	Displacement			4	Avg. Job			4	
Cement Left In Pipe	Amount	42 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									