

The Road to Excellence Starts with Safety

Sold To #: 300496	Ship To #: 2847282	Quote #:	Sales Order #: 8099455
Customer: APACHE CORP		Customer Rep: STANLEY, JOSH	
Well Name: Deckard	Well #: 1-33	API/UWI #: 15-119-21286	
Field:	City (SAP): MEADE	County/Parish: Meade	State: Kansas
Legal Description: Section 33 Township 34S Range 26W			
Contractor: Duke		Rig/Platform Name/Num: #6	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: MEREDITH, JERRY		Srv 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 #
AGUILERA, FABIAN J	5	442123	CARRILLO, EDUARDO Carrillo	5	371263	RODRIGUEZ, EDGAR Alejandro	5	442125
SMITH, BOBBY Wayne	5	106036						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10714253C	45 mile	10744298C	45 mile	10988832	45 mile	10994449	45 mile
11133699	45 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4-13-2011	5	4						
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	6256. ft					13 - Apr - 2011	03:00	CST	
				148 degF						13 - Apr - 2011	06:30	CST	
										13 - Apr - 2011	08:54	CST	
										13 - Apr - 2011	10:24	CST	
										13 - Apr - 2011	12:00	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
7-7/8" Production Open Hole				7.875				1600.	6200.		
5-1/2" 17 ppf Production Casing	New		5.5	4.892	17.	8 RD (LT&C)	J-55		6200.		
8-5/8" Surface Casing	New		8.625	8.097	24.	8 RD (ST&C)	J-55		1600.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CTRZR ASSY, 5 1/2 CSG X 7 7/8 HOLE, HINGED	10	EA		
CLAMP - LIMIT - 5-1/2 - HINGED -	1	EA		
PLUG ASSY, 5 1/2 OMEGA/HWE, 4.38 MIN/5.09	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	5 1/2	1	h
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	5 1/2	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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Water Spacer			bbl	8.33	.0	.0	.0		
2	Superflush			bbl	9.3	.0	.0	.0		
68 lbm/bbl		HALLIBURTON SUPER FLUSH (100003639)								
3	Water Spacer			bbl	8.33	.0	.0	.0		
4	Lead Cement	POZ PREMIUM 50/50 - SBM (12302)		sacks	12.8	1.83	8.9		8.9	
8.896 Gal		FRESH WATER								
0.6 %		HALAD(R)-322, 50 LB (100003646)								
3 lbm		KOL-SEAL, BULK (100064233)								
5 %		CAL-SEAL 60, 50 LB BAG (101217146)								
10 %		SALT, 100 LB BAG (100003652)								
5	Tail Cement	POZ PREMIUM 50/50 - SBM (12302)		sacks	14.2	1.36	5.54		5.54	
5.535 Gal		FRESH WATER								
0.6 %		HALAD(R)-322, 50 LB (100003646)								
3 lbm		KOL-SEAL, BULK (100064233)								
5 %		CAL-SEAL 60, 50 LB BAG (101217146)								
10 %		SALT, 100 LB BAG (100003652)								
6	2% KCL Water Displacement			bbl	8.4	.0	.0	.0		
7 lbm/bbl		POTASSIUM CHLORIDE 7% (100001585)								
Calculated Values		Pressures			Volumes					
Displacement	144	Shut In: Instant		Lost Returns	0	Cement Slurry	98	Pad		
Top Of Cement	3144	5 Min		Cement Returns	0	Actual Displacement	144	Treatment		
Frac Gradient		15 Min		Spacers	60	Load and Breakdown		Total Job	302	
Rates										
Circulating	6	5	Mixing	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						
										

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Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Duke	Rig/Platform Name/Num: #6		
Job Purpose: Cement Production Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: MEREDITH, JERRY	Srvc Supervisor: CARRILLO, EDUARDO	MBU ID Emp #: 371263	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/13/2011 03:00							Dispach Called Cement Crew For Job On The Apache Corp Well Deckard # 1-33 5 1/2 Production
Other	04/13/2011 04:15							Loading Equipment And Chemicals For Job
Pre-Convoy Safety Meeting	04/13/2011 05:15							Discuss Route to take and Hazards on the road
Arrive At Loc	04/13/2011 06:15							
Assessment Of Location Safety Meeting	04/13/2011 06:25							Rig Runing Last Joint's Of Casing
Other	04/13/2011 06:30							Casing On Bottome Rig Circulating For One HR Per Customer Rep. He Said To Pump Rat And Mouse Hol Last.
Pre-Rig Up Safety Meeting	04/13/2011 06:35							Discused All Red Zones Went Over JSA.
Rig-Up Completed	04/13/2011 07:35							
Other	04/13/2011 08:20							Mixed Chemicals For Super Flush.
Pre-Job Safety Meeting	04/13/2011 08:45							Discussed Job Went Over Depths And Volumes Have Rig Crew Sing Saftey Sheet. Talked To Customer On How Fast To Pump And Pressers.
Start Job	04/13/2011 08:54							Ready for Halliburton

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Test Lines	04/13/2011 08:55						4000.0	Tested @ 4000 PSI Heald Relesed Presser On The Iron On Releas Line
Pump Spacer 1	04/13/2011 09:03		5	20	20		220.0	Pumped 20 bbls H2O Spacer
Pump Spacer 2	04/13/2011 09:08		5	20	40		280.0	Pumped 20 bbls Super Flush Spacer
Pump Spacer 1	04/13/2011 09:13		5	20	60		285.0	Pumped 20 bbls H2O Spacer
Pump Lead Cement	04/13/2011 09:17		5	49	109		250.0	Pumped 150 SKS CMT @ 12.8 ppg // 49 bbls CMT // 150 X 1.83 = 274 CU/FT
Pump Tail Cement	04/13/2011 09:28		5	49	158			Pumped 200 SKS CMT @ 14.2 ppg // 49 bbls CMT// 200 X 1.36 = 272 CU/FT
Shutdown	04/13/2011 09:40							
Drop Top Plug	04/13/2011 09:41							HWE
Pump Displacement	04/13/2011 09:51		6	144	301		200.0	Pumped 144 bbls Displacement KCL Water
Displ Reached Cmnt	04/13/2011 10:09		6	101	301		285.0	Displacement Reached CMT @ 101 bbls got 285 PSI.
Slow Rate	04/13/2011 10:18		2	134	301		850.0	Slowed Down Last 10 bbls @ 2 BPM .
Bump Plug	04/13/2011 10:19							Bumped Plug @ 1350Took To 1850 Heald For 5 min Per Customer Rep.
Check Floats	04/13/2011 10:23							Floats Heald Got 1 BBL Back
End Job	04/13/2011 10:25							
Pre-Rig Down Safety Meeting	04/13/2011 10:35							Discuss Pinchpoint and Triping Hazards
Rig-Down Completed	04/13/2011 11:45							
Other	04/13/2011 12:05							THANK YOU FOR CHOOSING HALLIBURTON
Crew Leave Location	04/13/2011 12:10							