

The Road to Excellence Starts with Safety

Sold To #: 300496	Ship To #: 2847282	Quote #:	Sales Order #: 8086008
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 Drilling		Rig/Platform Name/Num: 6	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MEREDITH, JERRY		Srvc Supervisor: SMITH, BOBBY	MBU ID Emp #: 106036

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
AGUILERA, FABIAN J	8	442123	GOMEZ, OSCAR	8	490448	LOPEZ, JUAN R	8	198514
MCJILTON, LANDON Kyle	8	489077	SMITH, BOBBY Wayne	8	106036			

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240239	45 mile	10240245	45 mile	10243558	45 mile	10744298C	45 mile
10866807	45 mile	10949718	45 mile	10998524	45 mile		

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
TOTAL			Total is the sum of each column separately					

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Date	Time	Time Zone
Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	07 - Apr - 2011	05:00 CST
Form Type	1623. ft	BHST	75 degF	On Location	07 - Apr - 2011	08:00 CST
Job depth MD	1623. ft	Job Depth TVD	1626. ft	Job Started	07 - Apr - 2011	12:29 CST
Water Depth		Wk Ht Above Floor	4. ft	Job Completed	07 - Apr - 2011	13:47 CST
Perforation Depth (MD)	From	To		Departed Loc	07 - Apr - 2011	15:30 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
12-1/4" Surface Open Hole				12.25				80.	1600.		
20" Pre-Set Conductor	New		20.	19.124	94.				80.		
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
SHOE,GID,8-5/8 8RD	1	EA		
CENTRALIZER ASSY - API - 8-5/8 CSG X	5	EA		
HALLIBURTON WELD-A KIT	1	EA		
CLAMP - LIMIT - 8-5/8 - HINGED -	2	EA		
BASKET - CEMENT - 8 5/8 CSG X 12 1/4	1	EA		
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA	1	EA		
CLR,FLT,TROPHY SEAL,8-5/8 8RD	1	EA		
AUTOFILL KIT,TROPHY SEAL	1	EA		

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		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	Lead Cement	MIDCON-2 CEMENT STANDARD - SBM (15078)	450.0	sacks	11.4	2.95	18.09	8.0	18.09
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	0.1 %	WG-17, 50 LB SK (100003623)							
	18.09 Gal	FRESH WATER							
2	Tail Cement	CMT - STANDARD CEMENT (100003684)	200.0	sacks	15.6	1.2	5.18	6.0	5.18
	94 lbm	CMT - STANDARD - CLASS A REG OR TYPE I, BULK (100003684)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.5 lbm	POLY-E-FLAKE (101216940)							
	5.177 Gal	FRESH WATER							
3	Mud Displacement		101.00	bbl	9.	.0	.0	8.0	

Calculated Values			Pressures			Volumes		
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad
Top Of Cement		5 Min		Cement Returns	50	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		

<p>The Information Stated Herein Is Correct</p>	<p>Customer Representative Signature</p> 
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Cementing Job Log

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Field:	City (SAP): MEADE	County/Parish: Meade	State: Kansas
Legal Description: Section 33 Township 34S Range 26W			
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 Drilling		Rig/Platform Name/Num: 6	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MEREDITH, JERRY		Srvc Supervisor: SMITH, BOBBY	MBU ID Emp #: 106036

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/07/2011 05:00							
Depart Location Safety Meeting	04/07/2011 06:30							
Arrive At Loc	04/07/2011 08:00							
Assessment Of Location Safety Meeting	04/07/2011 08:00							Rig pulling drill pipe
Pre-Rig Up Safety Meeting	04/07/2011 08:05							
Other	04/07/2011 08:55							drill pipe out of the hole casing crew rigging up.
Rig-Up Completed	04/07/2011 09:00							
Other	04/07/2011 09:30							casing going in the hole
Other	04/07/2011 12:00							casing on bottom rig is circulating.
Safety Meeting - Pre Job	04/07/2011 12:20							
Start Job	04/07/2011 12:29							
Test Lines	04/07/2011 12:30						3000.0	
Pump Lead Cement	04/07/2011 12:36		6	236.4 2			100.0	450 sx = 1327.5 ft3 = top of cement surface
Other	04/07/2011 12:37							mud returns
Pump Tail Cement	04/07/2011 13:12		6	42.74			100.0	200 sx = 240 ft3. top of cement 1081.04 ft
Drop Top Plug	04/07/2011 13:22							
Pump Displacement	04/07/2011 13:24		6	0			50.0	water
Bump Plug	04/07/2011 13:45		6	100.7 2		400.0	1300.0	

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	04/07/2011 13:46							float held.
End Job	04/07/2011 13:47							50 bbis of cement back to surface.
Safety Meeting - Pre Rig-Down	04/07/2011 13:50							
Rig-Down Completed	04/07/2011 15:00							
Safety Meeting - Departing Location	04/07/2011 15:15							
Depart Location for Service Center or Other Site	04/07/2011 15:30							Thank you for calling Halliburton. Bob and crew.