

**ANADARKO PETROLEUM CORP - EBUS
DO NOT MAIL - PO BOX 4995
THE WOODLANDS, Texas**

MCKINSTRY 7N-21HZ

Majors 29

Post Job Summary

Cement Surface Casing

Date Prepared: 2/6/2014
Version: 1

Service Supervisor: MCBRIDE, NATHAN

Submitted by: GROVES, COREY

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		Shoe Joint Length ft
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	1,015.00	45.00
Open Hole Section	13 1/2" Open Hole Section		13.500		0.00	1,025.00	0.00

HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	5.00	20.0 bbl	10.0 bbl
1	2	Spacer	Mud Flush	8.40	5.00	12.0 bbl	12.0 bbl
1	3	Cement Slurry	SwiftCem B2	14.20	5.00	386.0 sacks	386.0 sacks

HALLIBURTON

Data Acquisition

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/10/2014 11:00		Arrive at Location from Service Center					Rig still running pipe in hole
01/10/2014 11:05		Assessment Of Location Safety Meeting					Hazard Hunt and Discuss 3rd party activities
01/10/2014 11:10		Pre-Rig Up Safety Meeting					Review JSA and Discuss Rig up layout
01/10/2014 11:15		Rig-Up Equipment					
01/10/2014 11:55		Rig-Up Completed					
01/10/2014 12:30		Casing on Bottom					
01/10/2014 12:35		Circulate Well					
01/10/2014 13:00		Comment					Truck would not broadcast data. Discussed with customer and coordinators. Ok'd to go with out just document the density and pressures during the job. Got chart to read ahead of safety meeting. Signal dropped during the job and was unrecoverable.
01/10/2014 13:40		Pre-Job Safety Meeting					With Customer and 3rd Parties involved
01/10/2014 14:00		Start Job					
01/10/2014 14:02		Pump Water	2	2		50.0	Fill Lines
01/10/2014 14:04		Test Lines				2489.0	
01/10/2014 14:10		Pump Water	5	10		130.0	Fresh Water
01/10/2014 14:13		Pump Spacer	5	12		135.0	Mud Flush
01/10/2014 14:15		Pump Water	5	10		120.0	Fresh Water
01/10/2014 14:20		Comment					Bulk Truck Lost all pressure and would not build air. Diagnosed and fixed bulk truck. Back on line 1505
01/10/2014 15:05		Pump Cement	5	105.9		108.0	386sks @ 14.2ppg, 1.54yield, 7.66gal/sk
01/10/2014 15:29		Comment					Cement was scaled Prior to heading downhole @ 14.3 Was monitored and Density flucuated between 14.1 and 14.4 throughout mixing pressure stayed @ 108 to 115 during mixing rate was 5 bmp
01/10/2014 15:30		Shutdown					
01/10/2014 15:38		Drop Top Plug					
01/10/2014 15:40		Pump Displacement	5	75.8		280.0	Fresh Water
01/10/2014 16:00		Cement Returns to Surface					70 bbls Displaced 6 bbls to Pit
01/10/2014 16:03		Bump Plug				686.0	Final Pressure on Plug Final lift was 326
01/10/2014 16:08		Check Floats					Floats Good
01/10/2014 16:10		End Job					Thanks McBride and Crew

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3117150		Quote #:		Sales Order #: 901020707	
Customer: ANADARKO PETROLEUM CORP - EBUS				Customer Rep: Case, Randy			
Well Name: MCKINSTRY			Well #: 7N-21HZ		API/UWI #:		
Field: WATTENBERG		City (SAP): LONGMONT		County/Parish: Weld		State: Colorado	
Contractor: Majors			Rig/Platform Name/Num: Majors 29				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: GREGORY, JON			Srvc Supervisor: MCBRIDE, NATHAN		MBU ID Emp #: 313810		

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ALVARADO, JOSE Angel	6.3	505918	MCBRIDE, NATHAN Charles	6.3	313810			

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
TOTAL			<i>Total is the sum of each column separately</i>					

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Formation Depth (MD)			On Location	10 - Jan - 2014	07:00	MST
Form Type		BHST	On Location	10 - Jan - 2014	11:00	MST
Job depth MD	1025. ft	Job Depth TVD	Job Started	10 - Jan - 2014	14:00	MST
Water Depth		Wk Ht Above Floor	Job Completed	10 - Jan - 2014	16:10	MST
Perforation Depth (MD)	<i>From</i>	<i>To</i>	Departed Loc	10 - Jan - 2014	17:00	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
13 1/2" Open Hole Section				13.5				.	1025.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	1015.		

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
CMT CASING EQUIPMENT BOM	1	JOB		
MILEAGE FOR CEMENTING CREW,ZI	30	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	30	MI		
KIT,HALL WELD-A	1	EA		
CNTRLZR, 9 5/8"x13 3/4',#500-0963-1375	7	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		
Description	Qty	Qty uom	Depth	Supplier

COLLAR-STOP-9 5/8"-FRICTION-HINGED										2	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			Conc		Sand Type		Size	Qty	
Fluid Data														
Stage/Plug #: 1														
Fluid #	Stage Type	Fluid Name						Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer							10.00	bbl	8.33			5.0	
2	Mud Flush							12.00	bbl	8.4			5.0	
		3.5 lbm/bbl MUD FLUSH III, 40 LB SACK (101633304)												
		42 gal/bbl MUD FLUSH III - SBM (528788)												
3	SwiftCem B2	SWIFTCEM (TM) SYSTEM (452990)					386.0	sacks	14.2	1.54	7.66	5.0	7.66	
		7.66 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	45 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									

