

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

Helen E. Karich Unit #1

Basic

Post Job Summary **Squeeze Perfs**

Prepared for:	John Strahan
Date Prepared:	8/27/2010
Version: 1	

Service Supervisor: Justin Wheeler

Submitted by: Wes Aaron

HALLIBURTON

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
08/25/2010 11:45		Arrive At Loc							
08/25/2010 11:50		Safety Huddle							
08/25/2010 12:00		Safety Meeting							
08/25/2010 12:15		Start Job							
08/25/2010 12:15		Test Lines							TEST PUMPS AND LINES
08/25/2010 12:16		Pump Water	2	10			140.0		PUMP WATER SPACER
08/25/2010 12:21		Pump Cement	2	6.1			415.0		Mix and Pump 30 sks Cement @ 15.8 lb/gal
08/25/2010 12:24		Pump Displacement - Start	3	0			730.0		Pump Fresh Water Displacement
08/25/2010 12:28		Pump Displacement - End	3	14.4			.0		
08/25/2010 12:29		Shutdown							
08/25/2010 12:30		Other							POOH W/ Tubing, 10 stands
08/25/2010 12:42		Load Casing	2	2.5					
08/25/2010 12:44		Start Squeeze							Close Pipe Rams, Start Squeeze
08/25/2010 12:45		Pressure Up Tubing							
08/25/2010 12:45		Shutdown	1	0.25			1400.0		
08/25/2010 12:49		Pressure Up Tubing					1030.0		
08/25/2010 12:49		Shutdown	1	0.15			1540.0		
08/25/2010 12:58		Pressure Up Tubing					1305.0		
08/25/2010 12:59		Shutdown	1	0.6			1535.0		
08/25/2010 13:02		Shut In Well					1497.0		
08/25/2010 13:10		Safety Meeting - Pre Rig-Down							
08/25/2010 14:00		Safety Meeting - Departing Location							

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 2800699	Quote #:	Sales Order #: 7594204
Customer: ANADARKO PETROLEUM CORP - EBUS		Customer Rep: Webb, Larry	
Well Name: Helen E. Karich		Well #: Unit #1	API/UWI #: 05-123-07851-00
Field: WATTENBERG	City (SAP): PLATTEVILLE	County/Parish: Weld	State: Colorado
Legal Description: Section NENE32 Township 3N Range 66W			
Lat: N 40.185 deg. OR N 40 deg. 11 min. 7.548 secs.		Long: W 104.796 deg. OR W -105 deg. 12 min. 14.58 secs.	
Contractor: Basic		Rig/Platform Name/Num: .	
Job Purpose: Squeeze Perfs			
Well Type: Producing Well		Job Type: Squeeze Perfs	
Sales Person: FLING, MATTHEW		Srvc Supervisor: WHEELER, JUSTIN	MBU ID Emp #: 196470

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
OZBUN, RYAN Jacob		475709	WHEELER, JUSTIN W		196470	WILEY, JAMES A		440080

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10824253C	12 mile	10948694	12 mile	11036301	12 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							
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Job**Job Times**

Formation Name						Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom			Called Out	25 - Aug - 2010	09:30 MST
Form Type		BHST				On Location	25 - Aug - 2010	11:45 MST
Job depth MD	4160. ft	Job Depth TVD	4160. ft			Job Started	25 - Aug - 2010	12:02 MST
Water Depth		Wk Ht Above Floor				Job Completed	25 - Aug - 2010	13:06 MST
Perforation Depth (MD)	From	900.00 ft	To	901.00 ft		Departed Loc	25 - Aug - 2010	14:00 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
Perforation Interval								4430.	4430.	.	.
Production Casing	Used		4.5	4.052	10.5			.	8009.	.	8009.
Tubing	Used		2.375	1.995	4.6			.	4160.	.	.
Perforation Interval								4150.	4151.	.	.

Tools and Accessories

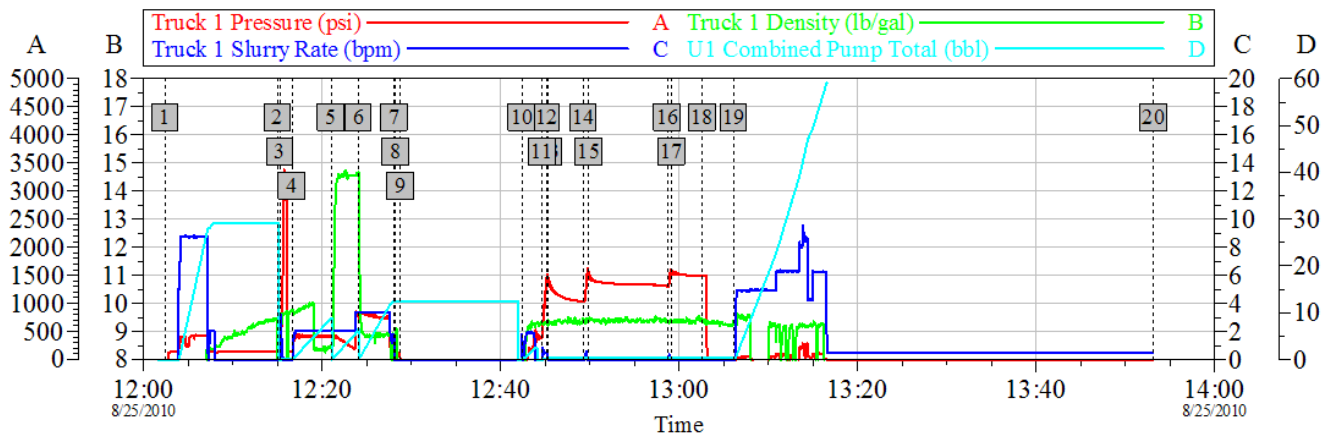
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

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	Squeeze Cement	POZ PREMIUM 50/50 - SBM (12302)				sacks	15.8	1.15	5.0	3.0	5.0	
	0.2 %	HALAD(R)-322, 50 LB (100003646)										
	0.3 %	HALAD(R)-344, 50 LB (100003670)										
	5 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	66 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							

HALLIBURTON

Company Name Job Type

Well Name Well Number



Global Event Log

1 Starting Job	12:02:27	2 Start Job	12:15:03
3 Test Lines	12:15:19	4 Pump Spacer 1	12:16:41
5 Pump Cement	12:21:03	6 Pump Displacement	12:24:06
7 End Displacement	12:28:05	8 Shut-Down	12:28:16
9 POOH W/ Tubing, 10 stands	12:28:48	10 Load Casing	12:42:24
11 Close Pipe Rams, Begin Squeeze	12:44:40	12 Pressure Up	12:45:12
13 Shut-Down	12:45:23	14 Pressure Up	12:49:18
15 Shut-Down	12:49:54	16 Pressure Up	12:58:44
17 Shut-Down	12:59:11	18 Shut-in Well	13:02:36
19 End Job	13:06:09	20 Ending Job	13:53:10

Customer:

Well Description:

Job Date: 25-Aug-2010

UWI:

Sales Order #: 7594204

OptiCem v6.4.2
25-Aug-10 14:00