

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:	9/8/2010
Version: 1	

Service Supervisor: Larry LaValley

Submitted by: Wes Aaron

HALLIBURTON

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)	Comments
08/27/2010 17:32		Start Job						WELL CIRCULATED 1 HOUR PRIOR TO CEMENTING
08/27/2010 17:44		Test Lines					2000.0	TEST LINES WITH RIG WATER
08/27/2010 17:46		Pump Spacer 1	1.5	10			40.0	RIG WATER
08/27/2010 17:56		Pump Lead Cement	1.5	6			45.0	30 SKS 15.8 # MIXED WITH RIG WATER
08/27/2010 17:59		Pump Displacement	2	15			102.0	BALANCED PLUG NO FLOWBACK WHEN PSI RELEASED
08/27/2010 18:07		Shutdown						RIG WATER
08/27/2010 18:07		Other						BROKE OFF WELL HEAD SO RIG COULD PULL 15 STANDS
08/27/2010 18:26		Other	1	2.5				LOADED HOLE WITH RIG WATER
08/27/2010 18:36		Other	1	4.5			1168.0	SQUEEZE CEMENT INTO PERFS HIT 1600PSI AND HELD FOR 15MIN, PSI DROPPED TO 850. 2ND SQUEEZE ATTEMPT PRESSURED UP TO 1210 PSI,SHUTDOWN PSI DROPPED TO 890,HELD FOR ANOTHER 15 MIN. 3RD SQUEEZE ATTEMPT PRESSURED UP TO 1168 SHUT IN
08/27/2010 19:04		End Job						

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 2800699	Quote #:	Sales Order #: 7600843
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: LAVALLEY, LARRY	MBU ID Emp #: 419296

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
LAVALLEY, LARRY P		419296	OZBUN, RYAN Jacob		475709	RAMOS, REFUGIO Castro		435413

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10719784	15 mile	11019824	15 mile	11488570C	15 mile		

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	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	4460. ft	4460. ft	6. ft		900.00 ft	901.00 ft		27 - Aug - 2010	15:00	MST
											On Location	27 - Aug - 2010	17:15	MST
											Job Started	27 - Aug - 2010	17:45	MST
											Job Completed	27 - Aug - 2010	19:15	MST
											Departed Loc	27 - Aug - 2010	19:45	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								4460.	4460.	.	.
Production Casing	Used		4.5	4.052	10.5			.	8009.	.	8009.
Tubing	Used		2.375	1.995	4.6			.	4460.	.	.

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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Squeeze Cement	POZ PREMIUM 50/50 - SBM (12302)	30.0	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							

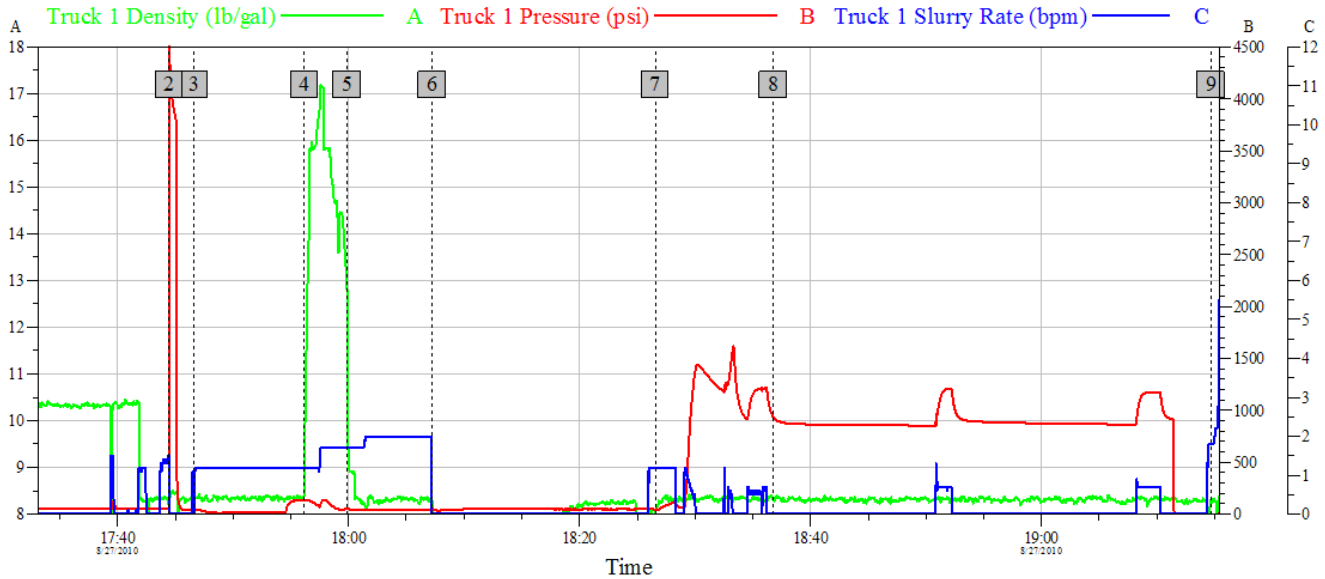
Calculated Values		Pressures		Volumes			
Displacement		Shut In: Instant		Lost Returns		Cement Slurry	
Top Of Cement		5 Min		Cement Returns		Actual Displacement	
Frac Gradient		15 Min		Spacers		Load and Breakdown	

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

ANADARKO UNIT #1 BALANCED PLUG



Global Event Log

Intersection		T1D	T1P	T1SR	Intersection		T1D	T1P	T1SR
1 Starting Job	17:32:47	10.31	53.00	0.000	2 Test Lines	17:44:28	8.232	4638	1.063
3 Pump Spacer 1	17:46:40	8.333	40.34	0.000	4 Pump Cement	17:56:10	8.490	133.0	1.200
5 Pump Displacement	17:59:51	13.13	47.00	1.700	6 Shutdown	18:07:14	8.300	64.56	0.000
7 Pump Spacer 1	18:26:33	8.024	45.00	1.200	8 Other	18:36:46	8.304	934.2	0.000
9 End Job	19:14:39	8.286	-13.00	1.800	10 Ending Job	19:15:45	8.590	54.00	5.500

Customer: ANADARKO
Well Description: PLUG

Job Date: 27-Aug-2010
UWI: 05-123-07851-00

Sales Order #: 7600843

HALLIBURTON
OptiCem v6.4.2
27-Aug-10 19:17