

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3752061		Quote #: 0022382247		Sales Order #: 0904479463					
Customer: ANADARKO PETROLEUM CORP-EBUS				Customer Rep: JOSH BARKELL							
Well Name: WAGNER			Well #: 27N-10HZ		API/UWI #: 05-123-43470-00						
Field: WATTENBERG		City (SAP): IONE		County/Parish: WELD		State: COLORADO					
Legal Description: SW NE-22-1N-67W-1722FNL-1529FEL											
Contractor: PRECISION DRLG				Rig/Platform Name/Num: PRECISION 464							
Job BOM: 7522 7522											
Well Type: HORIZONTAL GAS											
Sales Person: HALAMERICA\HX41066				Srv Supervisor: Vitali Neverdasov							
Job											
Formation Name											
Formation Depth (MD)		Top		Bottom							
Form Type				BHST							
Job depth MD		6018ft		Job Depth TVD		5902					
Water Depth				Wk Ht Above Floor							
Perforation Depth (MD)		From		To							
Well Data											
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft	
Casing		9.625	8.921	36		J-55	0	1897	0	0	
Casing	0	7	6.276	26	LTC	HCP110	0	6018	0	5902	
Open Hole Section			8.5				1897	6028	0	5902	
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	7					Top Plug	7	1	NA		
Float Shoe	7	1	NA	6018		Bottom Plug	7	1	NA		
Float Collar	7	1	NA	5971		SSR plug set	7				
Insert Float	7					Plug Container	7	1	HES		
Stage Tool	7					Centralizers	7	97	NA		
Fluid Data											
Stage/Plug #: 1											
Fluid #	Stage Type	Fluid Name			Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Tuned Spacer III	Tuned Spacer III			40	bbl	10.5	6.25		4	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	ElastiCem	ELASTICEM (TM) SYSTEM	400	sack	13.2	1.57		6	7.53
0.20 %		HR-5, 50 LB SK (100005050)							
7.53 Gal		FRESH WATER							
0.10 %		SUPER CBL, 50 LB PAIL (100003668)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement Fluid	Displacement Fluid	228	bbl	9.5			5	
Cement Left In Pipe		Amount	47 ft		Reason			Shoe Joint	
Comment: 10 BBLS OF SPACER BACK. ESTIMATED TOP OF CEMENT @ 1540'									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Comb Pump Total (bbl)	Comments
Event	1	Call Out	Call Out	12/4/2017	07:30:00	USER					ON LOCATION @ 13:30
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	12/4/2017	11:00:00	USER					HELD JSA PRIOR LEAVING THE YARD
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	12/4/2017	11:15:00	USER					CALLED JORNEY
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	12/4/2017	13:05:00	USER					6 MILES. DISCUSS NUMBERS AND PRCDURE WITH CUSTOMER. RIG IS RUNNING CASING
Event	5	Other	Other	12/4/2017	13:15:00	USER					SPOT TRUCKS
Event	6	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	12/4/2017	13:20:00	USER					HELD PRE RIG UP SAFETY MEETING
Event	7	Rig-up Lines	Rig-up Lines	12/4/2017	13:25:00	USER					RIG UP ALL SURFACE LINES TO THE BUFFER ZONE
Event	8	Casing on Bottom	Casing on Bottom	12/4/2017	15:30:00	USER					CASING ON BOTTOM
Event	9	Other	Other	12/4/2017	15:45:00	USER					RIG UP FLOOR FOR RIG TO CIRCULATE THRU CEMENT HEAD.
Event	10	Safety Meeting - Pre Job	Safety Meeting - Pre Job	12/4/2017	16:15:00	USER					PRE JOB SAFETY MEETING WITH ALL PERSONEL INVOLVED
Event	11	Start Job	Start Job	12/4/2017	16:57:06	COM4	8.39	0.00	-4.00	15.1	
Event	12	Pressure Test	Pressure Test	12/4/2017	17:17:51	USER	8.59	0.00	4724.00	0.0	LOAD LINE AND PRESSURE TEST TO 4610 PSI
Event	13	Drop Bottom Plug	Drop Bottom Plug	12/4/2017	17:20:00	USER	8.49	0.00	29.00	0.0	DROP BUTTOM PLUG

Event	14	Pump Spacer	Pump Spacer	12/4/2017	17:21:27	USER	8.46	1.50	37.00	0.4	BATCH/WEIGH/PUMP 40 BBLs OF TUNED SPACER III WITH SURFACTANS @ 10.5 PPG
Event	15	Pump Cement	Pump Cement	12/4/2017	17:41:52	USER	12.60	2.10	168.00	39.2	BATCH/ WEIGH/ PUMP 400 SKS (111.8 BBLs) OF ELASTICEM @ 13.2 PPG
Event	16	Shutdown	Shutdown	12/4/2017	18:06:50	USER	0.64	0.00	11.00	151.4	SHUT DOWN / DROP TOP PLUG
Event	17	Pump Displacement	Pump Displacement	12/4/2017	18:11:56	USER	0.56	0.80	7.00	151.4	MUD DISPLACEMENT. FIRST 10 BBLs FRESH WATER TO WASH UP ON TOP OF THE PLUG.
Event	18	Slow Rate	Slow Rate	12/4/2017	19:02:00	USER	8.49	2.00	1232.00	365.3	SLOW RATE
Event	19	Bump Plug	Bump Plug	12/4/2017	19:07:00	USER	8.47	2.50	1458.00	377.5	BUMP PLUG WITH 500 OVER FINAL CIRCULATING PRESSURE. PER CUSTOMER BRING PRESSURE TO 3000 PSI FOR CASING TEST FOR 15 MIN.10 BBLs OF SPACER BACK TO SURFACE
Event	20	Check Floats	Check Floats	12/4/2017	19:28:50	USER	8.62	0.00	114.00	381.6	FLOATS HELD
Event	21	End Job	End Job	12/4/2017	19:32:22	COM4	8.55	0.00	7.00	381.6	
Event	22	Other	Other	12/4/2017	19:35:00	USER	8.55	0.00	-1.00	381.6	CLEAN PUMP TRUCK
Event	23	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	12/4/2017	20:05:00	USER					HELD PRE RIG UP SAFETY MEETING
Event	24	Depart Location Safety Meeting	Depart Location Safety Meeting	12/4/2017	20:55:00	USER					HELD JSA PRIOR LEAVING LOCATION
Event	25	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	12/4/2017	21:05:00	USER					

3.0 Job Chart

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