

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3794513	Quote #: 0022334695	Sales Order #: 0904198128
Customer: ANADARKO PETROLEUM CORP-EBUS		Customer Rep:	
Well Name: RW		Well #: 30N-29HZ	API/UWI #: 05-123-44621-00
Field: WATTENBERG	City (SAP): HUDSON	County/Parish: WELD	State: COLORADO
Legal Description: SE SW-29-3N-65W-442FSL-1629FWL			
Contractor: Xtreme		Rig/Platform Name/Num: Xtreme 22	
Job BOM: 7523 7523			
Well Type: HORIZONTAL GAS			
Sales Person: HALAMERICA\HX41066		Srvc Supervisor:	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type	BHST		
Job depth MD	12783ft	Job Depth TVD	1858ft
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	1858	0	1858
Casing		5.5	4.778	20	LTC	HCP110	0	12773	0	7124
Open Hole Section			7.875				1858	12783	1858	7124

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make	
Guide Shoe					Top Plug	5.5	1	Weatherford	
Float Shoe	5.5			12773	Bottom Plug	5.5	1	Weatherford	
Float Collar	5.5			12723	SSR plug set				
Insert Float					Plug Container	5.5	1	HES	
Stage Tool					Centralizers	5.5		HES	

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	60	bbl	10.5	6.25		4		

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	ElastiCem - Cap Cement	ELASTICEM	150	sack	13.2	1.57		6	7.52
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	ElastiCem	ELASTICEM	400	sack	13.2	1.57		8	7.53
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
4	EconoCem	ECONOCEM	740	sack	13.5	1.68		8	7.99
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
5	Biocide Water and MMCR	Biocide Water and MMCR	281	bbl	8.34			10	
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
6	Biocide Water	Biocide Water	0	bbl	8.34				
Cement Left In Pipe	Amount	49 ft			Reason			Shoe Joint	
<p>Comment Full returns throughout the job. Got 8 bbls. of spacer back to surface. Estimated top of cap cement is 1,088', top of lead is 2,022', and top of tail is 5,642'. Floats held. Got 3 bbls. of fluid back to the truck.</p>									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate <i>(bbl/min)</i>	DS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	DH Density <i>(ppg)</i>	Comments
Event	1	Call Out	Call Out	7/30/2017	09:30:00	USER					Crew was called out at 09:00 for an on location time of 14:30
Event	2	Safety Meeting - Departing Location	Safety Meeting - Departing Location	7/30/2017	13:00:00	USER					Held a pre journey safety meeting and JSA.
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	7/30/2017	13:15:00	USER					Started journey management with dispatch and the crew left the yard.
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	7/30/2017	13:50:00	USER					Performed a hazard hunt and site assessment. Checked in with the customer and discussed numbers needed to calculate the job and rig up. Rig was running casing. Surface Casing: 9.625" 36# set at 1,858'. Production Casing: 5.5" 20# set at 12,773'. Float Collar: 12,724'. MD: 12,783'. TVD: 7,124'. OH: 7.875" Mud#: 9.5ppg. Water test, Temp: 77 degrees F. PH: 7 Chlorids: 60 ppm.
Event	5	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	7/30/2017	13:55:00	USER					Held pre rig up safety meeting and JSA.
Event	6	Rig-Up Equipment	Rig-Up Equipment	7/30/2017	14:00:00	USER					Spotted trucks in and rigged up all iron and hoses for the job.
Event	7	Safety Meeting	Safety Meeting	7/30/2017	18:00:00	USER	0.00	-180.00	17.50	8.35	Held pre job safety meeting

											and JSA with all personnel on location.
Event	8	Start Job	Start Job	7/30/2017	18:17:01	COM4	0.00	-178.00	17.50	8.40	Pumped 3 bbls. of fresh water to fill lines.
Event	9	Test Lines	Test Lines	7/30/2017	18:20:46	COM4	0.00	-31.00	20.70	8.32	Pressure tested lines to 4,350 psi. with a 500 psi. electronic kick out test.
Event	10	Pump Spacer 1	Pump Spacer 1	7/30/2017	18:30:40	COM4	0.00	141.00	0.00	8.38	Pumped 60 bbls. of Tuned Spacer III mixed at 10.5 ppg. Density was verified by pressurized scales.
Event	11	Drop Bottom Plug	Drop Bottom Plug	7/30/2017	18:51:24	COM4	0.00	18.00	53.20	10.45	Dropped the bottom plug witnessed by the customer.
Event	12	Pump Cap Cement	Pump Cap Cement	7/30/2017	18:54:13	USER	0.00	18.00	0.00	10.46	Pumped 42 bbls. (150 sks.) of Elasticem with out SCBL mixed at 13.2 ppg. Density was verified by pressurized scales.
Event	13	Pump Lead Cement	Pump Lead Cement	7/30/2017	19:02:29	COM4	0.00	-7.00	40.50	0.30	Pumped 111 bbls. (400 sks.) of Elasticem with SCBL mixed at 13.2 ppg. Density was verified by pressurized scales.
Event	14	Pump Tail Cement	Pump Tail Cement	7/30/2017	19:22:53	COM4	0.00	-3.00	173.40	22.45	Pumped 221 bbls. (740 sks.) of Econcem mixed at 13.5 ppg. Density was verified by pressurized scales.
Event	15	Check Weight	Check Weight	7/30/2017	19:32:27	COM4					Cement weight up at 13.5 ppg.
Event	16	Shutdown	Shutdown	7/30/2017	19:52:03	COM4					Rig blew down the iron.
Event	17	Clean Lines	Clean Lines	7/30/2017	20:01:04	COM4	0.00	0.00	193.80	16.35	Washed pumps and lines until clean.
Event	18	Drop Top Plug	Drop Top Plug	7/30/2017	20:09:09	COM4	0.00	-1.00	214.30	8.20	Dropped the top plug witnessed by the customer.

Event	19	Pump Displacement	Pump Displacement	7/30/2017	20:11:04	COM4	0.00	49.00	0.00	8.29	Pumped 281 bbls. of fresh water with MMCR in the first 20 bbls. and Biocide throughout the rest of displacment. Got 8 bbls. of spacer to surface. Estimated top of cap cement is 1,088', top of lead cement is 2,022', and top of tail is 5,642'.
Event	20	Other	Other	7/30/2017	20:19:59	USER	10.00	1307.00	87.10	8.23	Computer stopped charting. Did not chart the rest of displacment and casing test.
Event	21	Bump Plug	Bump Plug	7/30/2017	20:42:00	USER					Bunped the plug 500 psi. over 2,150 psi. at 3 bpm. Finale pressure was 2,650 psi.
Event	22	Pressure Up Well	Pressure Up Well	7/30/2017	20:43:00	USER					Pressured up the well to 3,000 psi. for 15 mintue casing test.
Event	23	Check Floats	Check Floats	7/30/2017	20:58:00	USER					Finale pressure was 3,300 psi. before checking floats. Bled off pressure. Floats held. Got 3 bbls. back to the truck.
Event	24	Other	End Job	7/30/2017	21:00:00	USER					Washed pumps and lines until clean.
Event	25	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	7/30/2017	21:15:00	USER					Held pre rig down safety meeting and JSA.
Event	26	Rig-Down Equipment	Rig-Down Equipment	7/30/2017	21:25:00	USER					Rigged down all lines, hoses and equipment.
Event	27	Depart Location Safety Meeting	Depart Location Safety Meeting	7/30/2017	22:45:00	USER					Held pre departure safety meeting and JSA.
Event	28	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	7/30/2017	23:00:00	USER					Started journey management with dispatch and left location.

3.0 Job Chart

3.1 Job Chart

