

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3855631		Quote #: 0022464066		Sales Order #: 0904989225				
Customer: ANADARKO PETROLEUM CORP-EBUS				Customer Rep: Travis Lawrence/Terry Hackford						
Well Name: GEORGE			Well #: 25-1HZ		API/UWI #: 05-123-46332-00					
Field: WATTENBERG		City (SAP): HUDSON		County/Parish: WELD		State: COLORADO				
Legal Description: SW NE-25-2N-65W-2254FNL-2068FEL										
Contractor: XTREME DRLG				Rig/Platform Name/Num: XTREME 22						
Job BOM: 7523 7523										
Well Type: HORIZONTAL GAS										
Sales Person: HALAMERICA\HX41066				Srv Supervisor: Kamereon White						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		17857 ft		Job Depth TVD		6930				
Water Depth				Wk Ht Above Floor		6'				
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	1924	0	0
Casing		5.5	4.892	17	LTC	HCP110	0	17857	0	6933
Open Hole Section			7.875				1924	17865	1924	6933
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
						Top Plug	5.5	1	WTHR	
Float Shoe	5.5	1	WTHR	17857'		Bottom Plug	5.5	1	WTHR	
Float Collar	5.5	1	WTHR	17847						
						Plug Container	5.5	1	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	80	bbl	10.5	6.96	44.4	5		

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	Gasstop B1	GASSTOP (TM) SYSTEM	630	sack	13.2	1.59		6	7.83
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	EconoCem	ECONOCEM (TM) SYSTEM	1060	sack	13.5	1.68		8	7.98
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
4	Biocide Water and MMCR	Biocide Water and MMCR	20	bbl	8.34				
0.50 gal/bbl		MICRO MATRIX CEMENT RETARDER, 5 GAL PAIL (100003781)							
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
5	Biocide Water	Biocide Water	394	bbl	8.34				
Cement Left In Pipe		Amount	10 ft		Reason			Shoe Joint	
Mix Water:		pH 7	Mix Water Chloride:			<400 ppm		Mix Water Temperature:	
			Plug Displaced by:			8.33 ppg		61°F	
Plug Bumped?		Yes	Bump Pressure:			1565 psi		Floats Held?	
Cement Returns:		0	Returns Density:			9.4 ppg			
Comment									

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comments
Event	1	Call Out	Call Out	7/16/2018	00:00:00	USER	CREW CALLED OUT AND WAS REQUESTED ON LOC @ 06:00.
Event	2	Depart from Service Center or Other Site	Depart from Service Center or Other Site	7/16/2018	03:30:00	USER	CREW LEFT THE YARD AND SUPERVISOR CALLED IN A JOURNEY MANAGEMENT.
Event	3	Arrive at Location from Service Center	Arrive at Location from Service Center	7/16/2018	04:00:00	USER	CREW ARRIVED ON LOC EARLY AND DISCUSSED THE SPOT IN AND RIG UP PROCEDURES ALL HES SIGNED IN AT THE CO.REP OFFICE,RIG WAS STILL RUNNING CASING, SUPERVISOR CALLED IN AND ENDED THE JOURNEY.
Event	4	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	7/16/2018	04:10:00	USER	CREW AND TITAN SERVICES UNFOLDED THE CONTAINMENT FOR THE JOB, SUPERVISOR WENT AND INTRODUCED HIMSELF TO THE CUSTOMER AND GOT WELL INFORMATION. TD-17,865'TP-17856.90,SJ-9.6' CASING SIZE- 5.5" 17# P110,PREVIOUS CASING SET @ 1924' 9.625" 36 #MUD #9.4 PPG OBM.
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	7/16/2018	04:30:00	USER	DISCUSSED THE JSA AND HAD ALL PERONNELL SIGN
Event	6	Other	Rig Up Equipment	7/16/2018	04:40:00	USER	RIGGED UP ALL HES EQUIPMENT AND LINES SAFELY.
Event	7	Other	Rig Up Completed	7/16/2018	06:00:00	USER	ALL HES EQUIPMENT AND LINES RIGGED UP SAFELY NO ONE GOT HURT.
Event	8	Safety Meeting - Pre Job	Safety Meeting - Pre Job	7/16/2018	08:41:04	USER	DISCUSSED THE HAZARDS THAT WERE RECOGNIZED TO ELIEVIATE, JOB PROCEDURES AND PSI.
Event	9	Other	Other	7/16/2018	11:01:22	COM4	FILL LINES WITH 3 BBLs OF WATER, 3 BPM 540 PSI.

Event	10	Test Lines	Test Lines	7/16/2018	11:03:42	COM4	TESTED THE LINES TO 500 PSI FOR A KICKOUT TEST , WENT UP TO 4500 PSI AND HELD FOR 2 MIN NO LEAKS.
Event	11	Check Weight	Check Weight	7/16/2018	11:05:46	COM4	CHECKED THE WEIGHT OF THE SPACER WITH THE PRESSURIZED MUD SCALES, SCALED @ 10.5 PPG
Event	12	Pump Spacer 2	Pump Spacer 2	7/16/2018	11:09:18	COM4	PUMPED 80 BBLS OF SPACER @ 10.5 PPG with 0.8 gal of Biocide
Event	13	Shutdown	Shutdown	7/16/2018	11:29:04	COM4	SHUTDOWN TO DROP THE BOTTOM PLUG.
Event	14	Drop Bottom Plug	Drop Bottom Plug	7/16/2018	11:33:04	COM4	DROPPED THE BOTTOM PLUG
Event	15	Pump Lead Cement	Pump Lead Cement	7/16/2018	11:33:19	COM4	PUMPED 178 BBLS OF LATEX LEAD CEMENT @ 13.2 PPG. 6 BPM 670 PSI
Event	16	Check Weight	Check Weight	7/16/2018	11:35:56	COM4	CHECKED THE WEIGHT OF THE LEAD CEMENT WITH PRESSURIZED MUD SCALES.
Event	17	Check Weight	Check Weight	7/16/2018	11:53:14	COM4	CHECKED THE WEIGHT OF THE TAIL CEMENT WITH PRESSURIZED MUD SCALES.
Event	18	Pump Tail Cement	Pump Tail Cement	7/16/2018	12:03:46	COM4	PUMPED 317 BBLS OF TAIL CEMENT @ 13.5 PPG 8 BPM 550 PSI.
Event	19	Check Weight	Check Weight	7/16/2018	12:04:10	COM4	CHECKED THE WEIGHT OF THE TAIL CEMENT WITH PRESSURIZED MUD SCALES.
Event	20	Check Weight	Check Weight	7/16/2018	12:24:50	COM4	CHECKED THE WEIGHT OF THE TAIL CEMENT WITH PRESSURIZED MUD SCALES.
Event	21	Shutdown	Shutdown	7/16/2018	12:47:59	COM4	SHUTDOWN TO WASH PUMPS AND LINES
Event	22	Clean Lines	Clean Lines	7/16/2018	12:53:06	COM4	CLEANED THE PUMPS AND LINES TO THE WASH UP TANK.
Event	23	Drop Top Plug	Drop Top Plug	7/16/2018	12:56:46	COM4	DROPPED THE TOP PLUG
Event	24	Pump Displacement	Pump Displacement	7/16/2018	12:56:52	COM4	PUMPED 414 BBLS OF WATER WITH THE FIRST 20 BBLS WITH MMCR AND THE NEXT 40 BBLS WITH BIOCIDES AND THE REMAINDER JUST FRESH WATER.
Event	25	Displ Reached Cement	Displ Reached Cement	7/16/2018	13:02:53	COM4	@ 40 BBLS AWAY CAUGHT THE PLUG AND

							MAINTAINED THE RATE.
Event	26	Bump Plug	Bump Plug	7/16/2018	13:51:03	COM4	BUMPED THE PLUG ON CALCULATED DISPLACEMENT FINAL CIRCULATING PRESSURE WAS 2500 PSI AND TOOK 500 PSI OVER TO 3000 PSI AND SHUTDOWN THE PUMPS.
Event	27	Other	Other	7/16/2018	13:51:11	COM4	WAITED 15 MIN FOR A CASING TEST, THE TEST GAINED 230 PSI AFTER 15 MIN
Event	28	Other	Other	7/16/2018	14:00:42	COM4	PRESSURED UP TO RUPTURE THE DISK, THE DISK RUPTURED @5300 PSI.
Event	29	Other	Other	7/16/2018	14:03:36	COM4	PUMPED A 3 BBLS WET SHOE AS PER CUSTOMER REQUEST.
Event	30	Other	Other	7/16/2018	14:04:26	COM4	CHECKED THE FLOATS AND THE FLOATS HELD GOT 3 BBLS BACK . NO SPACER OR CEMENT BACK TO SURFACE.
Event	31	End Job	End Job	7/16/2018	14:05:46	COM4	CEMENT JOB COMPLETE
Event	32	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	7/16/2018	14:10:00	USER	DISCUSSED THE RIG DOWN PROCEDURES.
Event	33	Rig Down Lines	Rig Down Lines	7/16/2018	14:20:00	USER	RIG DOWN ALL HES EQUIPMENT AND LINES,CLEANED UP GARBAGE FROM THE CREW.

Event	34	Rig-Down Completed	Rig-Down Completed	7/16/2018	15:00:00	USER	ALL HES EQUIPMENT AND LINES RIGGED DOWN SAFELY, NO ONE GOT HURT.
Event	35	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	7/16/2018	15:30:00	USER	KAMEREON WHITE AND CREW WOULD LIKE TO THANK YOU FOR YOUR BUSINESS AND CHOOSING HALLIBURTON CEMENT, PLEASE GIVE US A CALL IF YOU HAVE ANY QUESTIONS.

3.0 Attachments

3.1 Job Chart

