

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3790689		Quote #: 0022387193		Sales Order #: 0904514411				
Customer: ANADARKO PETROLEUM CORP-EBUS				Customer Rep: CARLTON COOLEY						
Well Name: NEWBY			Well #: 2N-33HZ		API/UWI #: 05-123-44568-00					
Field: WATTENBERG		City (SAP): LONGMONT		County/Parish: WELD		State: COLORADO				
Legal Description: SW SE-33-3N-68W-589FSL-1455FEL										
Contractor: NABORS DRLG				Rig/Platform Name/Num: NABORS X22						
Job BOM: 7525 7525										
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		12701ft		Job Depth TVD		7200				
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
Drill Pipe		4	3.34	14			0	5887	0	0
Casing		7	6.276	26	LTC	HCP110	0	6126	0	0
Casing	0	4.5	4	11.6	LTC	HCP110	5887	12701	0	0
Open Hole Section			6.125				6100	12712	0	0
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	4.5					Top Plug	4.5	1	WFD	
Float Shoe	4.5	1	WFD	12701		Bottom Plug	4.5	0	NA	
Float Collar	4.5	1	WFD	12654		SSR plug set	4.5		NA	
Insert Float	4.5					Plug Container	4.5	0	NA	
Stage Tool	4.5					Centralizers	4.5		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	60	bbl	10.5	6.25				
0.70 gal/bbl		MUSOL A, 330 GAL TOTE - (790828)								
88.91 lbm/bbl		BARITE, BULK (100003681)								
37.58 gal/bbl		FRESH WATER								
0.70 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								

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	EconoCem	ECONOCHEM (TM) SYSTEM	410	sack	13.5	1.68		6	7.98
7.98 Gal		FRESH WATER							
0.50 %		HR-5, 50 LB SK (100005050)							
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	162	bbl	8.34				
Cement Left In Pipe		Amount	47 ft		Reason			Shoe Joint	
Comment : 5 BBLS OF CEMENT BACK. DID NOT BUMP PLUG. FLOATS HELD.									

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	12/20/2017	13:00:00	USER	ON LOCATION ASAP
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	12/20/2017	15:15:00	USER	HELD JSA PRIOR LEAVING THE YARD
Event	3	Depart Shop for Location	Depart Shop for Location	12/20/2017	15:32:00	USER	LEAVING THE YARD
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	12/20/2017	16:30:00	USER	25 MILES.DISCUSS NUMBERS AND PRCEURE WITH CUSTOMER/ RIG IS ON BUTTOM CIRCULATING.
Event	5	Other	Other	12/20/2017	16:55:00	USER	SPOT TRUCKS
Event	6	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	12/20/2017	17:00:00	USER	HELD PRE RIG UP JSA
Event	7	Rig-up Lines	Rig-up Lines	12/20/2017	17:05:00	USER	RIG UP LINES
Event	8	Safety Meeting - Pre Job	Safety Meeting - Pre Job	12/20/2017	18:25:00	USER	HELD JSA WITH ALL PERSONAL
Event	9	Start Job	Start Job	12/20/2017	19:19:40	COM4	
Event	10	Pressure Test	Pressure Test	12/20/2017	19:26:00	USER	LOAD LINE AND TEST TO 4879 PSI. PUMP WAS LOOSING ABOUT 2 PSI PER SECOND. GOT APPROVAL TO PUMP THE JOB.
Event	11	Pump Spacer	Pump Spacer	12/20/2017	19:58:00	USER	BATCH/ WEIGH/ PUMP 60 BBLs OF TUNED SPACER III WITH SURFACTANS @ 10.5 PPG
Event	12	Pump Cement	Pump Cement	12/20/2017	20:12:02	USER	WEIGH/ PUMP 410 SKS (122.7 BBLs) OF ECONOCEM @ 13.5 PPG

Event	13	Shutdown	Shutdown	12/20/2017	20:36:00	USER	RIG DOWN DRILL PIPE SWAGE TO LOAD DART/ RIG HAD PROBLEM WITH AIR TO BLOW DOWN LINE. PER CUSTOMER DID NOT BLOW DOWN LINE.
Event	14	Other	Other	12/20/2017	20:42:00	USER	WASH UP PUMPS AND LINES
Event	15	Pump Displacement	Pump Displacement	12/20/2017	20:55:00	USER	START FRESH WATER DICPLACEMENT. FIRST 20 BBLs WITH MMCR. 120 BBLs WITH BIOCID.
Event	16	Slow Rate	Slow Rate	12/20/2017	21:06:00	USER	SLOW DOWN TO PICK UP THE PLUG
Event	17	Other	Other	12/20/2017	21:08:00	USER	PICK UP RATE
Event	18	Slow Rate	Slow Rate	12/20/2017	21:27:00	USER	
Event	19	Shutdown	Shutdown	12/20/2017	21:33:00	USER	PER TOOL HAND SHUT DOWN @ CALCULATED VOLUME. DID NOT BUMP PLUG
Event	20	Check Floats	Check Floats	12/20/2017	21:34:00	USER	FLOATS HELD
Event	21	Other	Other	12/20/2017	21:41:00	USER	RIG SET THE PACKER. RIG IS TESTING THE PACKER. RIG HAD PROBLEM TO PRIME THE MUD PUMP.
Event	22	Other	Other	12/20/2017	22:19:02	USER	ROLL 7" CLEAN
Event	23	Shutdown	Shutdown	12/20/2017	22:45:00	USER	JOB IS COMPLETE

Event	24	End Job	End Job	12/20/2017	22:48:00	COM4	
Event	25	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	12/20/2017	22:50:00	USER	HELD PRE RIG DOWN JSA / RIGGING DOWN
Event	26	Depart Location Safety Meeting	Depart Location Safety Meeting	12/21/2017	00:40:00	USER	
Event	27	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	12/21/2017	00:55:00	USER	

3.0 Attachments

3.1 Job Chart

