

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3790954		Quote #: 0022391152		Sales Order #: 0904545875				
Customer: ANADARKO PETROLEUM CORP-EBUS				Customer Rep: JAMES						
Well Name: NEWBY STATE			Well #: 26N-33HZ		API/UWI #: 05-123-44565-00					
Field: WATTENBERG		City (SAP): LONGMONT		County/Parish: WELD		State: COLORADO				
Legal Description: SE SE-33-3N-68W-588FSL-1320FEL										
Contractor: NABORS DRLG				Rig/Platform Name/Num: NABORS X22						
Job BOM: 7522 7522										
Well Type: HORIZONTAL GAS										
Sales Person: HALAMERICA\HX41066				Srv Supervisor: Jordan Larue						
Job										
Formation Name										
Formation Depth (MD)		Top				Bottom				
Form Type						BHST				
Job depth MD		6119ft		Job Depth TVD		6119				
Water Depth				Wk Ht Above Floor		4				
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	809	0	809
Casing		7	6.276	26	LTC	J-55	0	6071	0	5802
Open Hole Section			8.5				809	6119	809	5812
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	7			6071		Top Plug	7	1	WF	
Float Shoe	7					Bottom Plug	7	1	WF	
Float Collar	7					SSR plug set	7		HES	
Insert Float	7					Plug Container	7	1	HES	
Stage Tool	7					Centralizers	7		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	40	bbl	10.5	6.25	40.2	6		
0.70 gal/bbl		MUSOL A, 330 GAL TOTE - (790828)								
88.91 lbm/bbl		BARITE, BULK (100003681)								
35.80 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	ElastiCem	ELASTICEM (TM) SYSTEM	400	sack	13.2	1.57	7.53	7	7.53	
0.10 %		SUPER CBL, 50 LB PAIL (100003668)								
0.20 %		HR-5, 50 LB SK (100005050)								
7.53 Gal		FRESH WATER								
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	231	bbl	9.5			7		
Cement Left In Pipe		Amount	42 ft		Reason			Shoe Joint		
Mix Water:		pH 7	Mix Water Chloride:		200		Mix Water Temperature:		56	
Cement Temperature:		## °F °C	Plug Displaced by:		9.5 OBM		Disp. Temperature:		## °F °C	
Plug Bumped?		Yes/No	Bump Pressure:		#### psi MPa		Floats Held?		Yes 1.5BBLS BACK	
Cement Returns:		0 bbl m3	Returns Density:		10.5 lb/gal kg/m3		Returns Temperature:		## °F °C	
Comment : 10BBLS TUNED SPACER BACK... EST TOP CMT 1800 FT										

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	1/3/2018	15:30:00	USER	ON LOCATION TIME 2230
Event	2	Arrive At Loc	Arrive at location	1/4/2018	22:00:00	USER	RIG RUNNING CASING
Event	3	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	1/4/2018	22:15:00	USER	TALK TO TOOL HAND AND CO REP
Event	4	Other	Well Info	1/4/2018	22:30:00	USER	TD 6119, TP 6071, ST 42', PC 9.625 36# 809', OH 8.5",
Event	5	Other	Water Test	1/4/2018	22:35:00	USER	ph 7, cl <400, temp 56°F, TANN PASS...
Event	6	Pre-Rig Up Safety Meeting	PRE RIG UP SAFETY MEETING	1/4/2018	22:40:00	USER	JSA COMPLETED... HANDS SIGN JSA ON CEMENTING PROGRAM
Event	7	Rig-Up Equipment	RIG UP EQUIPMENT	1/4/2018	22:45:00	USER	NO ACCIDENTS OR INJURIES
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	1/4/2018	01:10:00	USER	JSA COMPLETED: ALL PERSONNEL SIGNED SIGN UP SHEET. REVIEW PUMP SCHEDULE AND WASH UP.
Event	9	Test Lines	Test Lines	1/4/2018	01:17:06	COM10	450 PSI
Event	10	Pump Spacer 1	Pump Spacer 1	1/4/2018	01:21:25	COM10	40 BBLS TUNED SPACER SCALED @ 10.5#... SLOWED TO 1BPM @ 20BBLS GONE AND DROPPED B PLUG
Event	11	Drop Bottom Plug	Drop Bottom Plug	1/4/2018	01:27:49	COM10	
Event	12	Pump Cement	Pump Cement	1/4/2018	01:36:49	COM10	400 SKS SCALED @ 13.2#
Event	13	Drop Top Plug	Drop Top Plug	1/4/2018	01:55:49	COM10	

Event	14	Pump Displacement	Pump Displacement	1/4/2018	01:55:53	COM10	PUMPED 10BBLS H2O WASH UP ON TOP PLUG... SHUTDOWN BLEW LINES TO PUMP CLEAN WITH AIR THEN TURNED OVER TO RIG TO PUMP DISPLACEMENT... 321 BBLS OBM PER CO REP... BUMPED ON CALC DISPLACEMENT FINAL CIRC PSI @ 2000 PSI FINAL BUMP PSI @ 3200PSI..... HELD FOR 15MIN... CHECK FLOATS THEY HELD 1.5BBLS BACK... 10BBLS SPACER TO SURFACE... RIG PUMPED 7BPM 200 BBLS SLOWED TO 2BBL TO BUMP... BUMPED @ 0240 HELD TILL 0255
Event	15	Clean Lines	Clean Lines	1/4/2018	02:04:20	COM10	
Event	16	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	1/4/2018	03:34:30	USER	DISCUSS HAZARDS
Event	17	Rig-Down Equipment	Rig-Down Equipment	1/4/2018	03:34:31	USER	NO ACCIDENTS OR INJURIES
Event	18	Pre-Convoy Safety Meeting	Pre-Convoy Safety Meeting	1/4/2018	03:34:33	USER	REVIEW DIRECTIONS
Event	19	Crew Leave Location	Crew Leave Location	1/4/2018	03:34:35	USER	BULK HEADING BACK TO YARD AND PUMP CREW SLEEPING ON LOC

3.0 Attachments

3.1 Job Chart

