

The Road to Excellence Starts with Safety

Sold To #: 300466		Ship To #: 3811812		Quote #: 0022394991		Sales Order #: 0904575214					
Customer: ANADARKO PETROLEUM CORP-EBUS				Customer Rep: .							
Well Name: NEWBY STATE			Well #: 34N-3HZ			API/UWI #: 05-123-45090-00					
Field: WATTENBERG		City (SAP): LONGMONT		County/Parish: WELD			State: COLORADO				
Legal Description: SE SE-33-3N-68W-589FSL-1260FEL											
Contractor: NABORS DRLG				Rig/Platform Name/Num: NABORS X22							
Job BOM: 7523 7523											
Well Type: HORIZONTAL GAS											
Sales Person: HALAMERICA/HX41066				Srcv Supervisor: Jordan Larue							
Job											
Formation Name											
Formation Depth (MD)		Top			Bottom						
Form Type					BHST						
Job depth MD		14035			Job Depth TVD		7426				
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	2334	0	2334	
Casing		5.5	4.892	17	LTC	HCP110	0	14025	0	7426	
Open Hole Section			8.5				2334	14035	2334	7426	
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	5.5	1	WF	14035		Top Plug	5.5	1	WF		
Float Shoe	5.5					Bottom Plug	5.5	1	WF		
Float Collar	5.5					SSR plug set	5.5		HES		
Insert Float	5.5	1	WF	14021		Plug Container	5.5	1	HES		
Stage Tool	5.5	1	WF	14013		Centralizers	5.5	300	WF		
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	6.25	40.2	6	
37.58 gal/bbl		FRESH WATER									
0.70 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)									
0.70 gal/bbl		MUSOL A, 330 GAL TOTE - (790828)									

88.91 lbm/bbl		BARITE, BULK (100003681)								
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	700	sack	13.2	1.57	7.53	7	7.53	
0.10 %		SUPER CBL, 50 LB PAIL (100003668)								
0.45 %		SCR-100 (100003749)								
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	EconoCem	ECONOCEM (TM) SYSTEM	1150	sack	13.5	1.68	7.99	7	7.99	
7.99 Gal		FRESH WATER								
0.30 %		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	
4	Biocide Water and MMCR	Biocide Water and MMCR	10	bbl	8.34		8.33	10		
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	315	bbl	8.34		8.33	9		
Cement Left In Pipe		Amount	0 ft		Reason			WET Shoe Joint		
Mix Water:pH 7		Mix Water Chloride: 400 ppm			Mix Water Temperature:			60 °F		
Cement Temperature:NA		8.33# H2O			Disp. Temperature:			## °F °C		
Plug Bumped?Yes		Bump Pressure: 3000 psi			Floats Held?			Yes 2.5BBLS BACK		
SPACER Returns:30 bbl		Returns Density: 10.5 lb/gal			Returns Temperature:			NA		
: BUMPED ON CALC 325BBLs GONE FINAL LIFT PSI 2300... FINAL BUMP 3000 PSI... PLUG RUPTURED @ 4050 PSI... PUMPED 5BBL WET SHOE... EST TOP SPACER AT SURFACE 30BBLs BACK... EST TOP LEAD CMT 1045'...EST TOP TAL CMT @ 5599'...										
JOB WENT SMOOTH THANKS FOR CHOOSING HES- JORDAN LARUE 405-441-0340										

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Driv-Side Pump Pressure (psi)	Downhole Density (ppg)	Combined Pump Rate (bbl/min)	Pump Stage Total (bbl)	Comments
Event	1	Call Out	Call Out	1/18/2018	18:00:00	USER					STAGED EARLY DUE TO DOT.... BULK CALLED OUT AT 2315 LOCATION TIME 0500
Event	2	Arrive at Location from Service Center	Arrive at Location from Service Center	1/18/2018	23:00:00	USER					PUMP CREW ON LEASE RD 2300... BULK ARRIVE ON LOC 0400
Event	3	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	1/19/2018	04:00:00	USER					RIG RUNNING CS
Event	4	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	1/19/2018	04:05:00	USER					DISCUSS HAZARDS/JSA
Event	5	Rig-Up Equipment	Rig-Up Equipment	1/19/2018	04:10:00	USER					NO ACCIDENTS OR INJURIES
Event	6	Other	TEST WATER/CALCS	1/19/2018	04:30:00	USER					WATER PASSED 56 F, 400 CL, 0 SULFATES, 7 PH/ TD 14035, TVD 7426, TP 14025, WSS @ 14013, 5.5" 17# P110, PC 9.625" 36# J55 2334', WF 9.5# OBM, CALC DISP 325BBLS, 30BBL TS BACK, TOS 0', TOLC 1045', TOTC 5599'...
Event	7	Pre-Job Safety Meeting	Pre-Job Safety Meeting	1/19/2018	10:15:00	USER	4.00	8.21	0.00	0.0	REVIEW PUMP SCHEDULE, JSA AND WASH UP
Event	8	Test Lines	Test Lines	1/19/2018	10:25:43	COM10	109.00	8.65	0.00	2.0	500 PSI LOW/ 6500 TEST GOOD
Event	9	Pump Spacer 1	Pump Spacer 1	1/19/2018	10:31:04	COM10	382.00	10.47	4.40	6.8	80 BBLS 72 SKS SCALED @ 10.5#
Event	10	Drop Bottom Plug	Drop Bottom Plug	1/19/2018	10:46:56	USER	8.00	10.62	0.00	77.6	SHUTDOWN DROPEP BOTTOM PLUG

Event	11	Pump Lead Cement	Pump Lead Cement	1/19/2018	10:48:55	COM10	701.00	13.24	7.00	0.1	700 SKS/195 BBLS SCALED @ 13.2#
Event	12	Pump Tail Cement	Pump Tail Cement	1/19/2018	11:13:27	COM10	778.00	13.49	7.00	0.1	1150 SKS/344 BBLS SCALED @ 13.5#
Event	13	Drop Top Plug	Drop Top Plug	1/19/2018	12:12:44	COM10	7.00	8.78	0.00	366.0	WASHED PUMPS AND LINES/ RIG PUSHED AIR THROUGH LINES AND DROPE TOP PLUG
Event	14	Pump Displacement	Pump Displacement	1/19/2018	12:15:11	COM10	496.00	8.47	8.30	0.1	325 BBLS H2O/MMCR/BIOCIDE SPACER TO SURFACE @ 195BBLS GONE 30BBLS TO SURFACE... EST TOP OF LEAD CMT @1045'...EST TOP TAIL CMT @ 5599'... FINAL LIFT PSI @ 2300 PSI 3BPM
Event	15	Bump Plug	Bump Plug	1/19/2018	12:58:31	COM10	2962.00	8.15	0.00	325.0	BUMPED PLUG TO 3000 PSI HELD FOR 15MIN FOR CASING TEST... TEST GOOD BUILT SLIGHT PSI PER DESIGN...
Event	16	Other	Other	1/19/2018	13:16:50	COM10	3266.00	8.14	0.00	325.0	BLD PSI OFF
Event	17	Other	Other	1/19/2018	13:18:15	COM10	350.00	8.35	4.80	325.5	PUMPED 5BPM TILL RUPTURE PLUG @ 4050 PSI
Event	18	Other	Other	1/19/2018	13:19:36	COM10	2543.00	8.21	4.80	331.6	PUMPED 5BBL WET SHOE PER DESIGN
Event	19	Other	Other	1/19/2018	13:20:39	COM10	1993.00	8.18	0.00	2.5	CHECK FLOATS THEY HELD 2.5BBLS BACK
Event	20	End Job	End Job	1/19/2018	13:21:47	COM10	11.00	8.22	0.00	2.5	END JOB
Event	21	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	1/19/2018	13:30:00	USER	8.00	0.25	10.00	5.6	DISCUSS HAZARDS/JSA
Event	22	Rig-Down Equipment	Rig-Down Equipment	1/19/2018	13:35:00	USER					NO ACCIDENTS OR INJURIES
Event	23	Crew Leave Location	Crew Leave Location	1/19/2018	15:30:00	USER					DOT RESET

3.0 Attachments

3.1 Newby State 34N-3HZ Production Job Chart

