

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3790953	Quote #: 0022389558	Sales Order #: 0904526305
Customer: ANADARKO PETROLEUM CORP-EBUS		Customer Rep: Levi	
Well Name: NEWBY		Well #: 27N-33HZ	API/UWI #: 05-123-44566-00
Field: WATTENBERG	City (SAP): LONGMONT	County/Parish: WELD	State: COLORADO
Legal Description: SW SE-33-3N-68W-589FSL-1410FEL			
Contractor: NABORS DRLG		Rig/Platform Name/Num: NABORS X22	
Job BOM: 7522 7522			
Well Type: HORIZONTAL GAS			
Sales Person: HALAMERICA\HX41066		Srvc Supervisor: Adam Covington	

Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type	BHST		
Job depth MD	6140ft		Job Depth TVD
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	814	0	0
Casing		7	6.276	26	LTC	J-55	0	6140	0	0
Open Hole Section			8.5				814	6150	0	0

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	7				Top Plug	7	1	
Float Shoe	7			6140	Bottom Plug	7	1	
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		3		
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	ElastiCem	ELASTICEM (TM) SYSTEM	400	sack	13.2	1.57		7	7.53		
0.20 %		HR-5, 50 LB SK (100005050)									
7.53 Gal		FRESH WATER									
0.10 %		SUPER CBL, 50 LB PAIL (100003668)									
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	233	bbl	9			7.5			
Cement Left In Pipe		Amount	43 ft		Reason			Shoe Joint			
Comment 6 BBLs OF SPACER TO SURFACE. ESTIMATED TOP OF CEMENT IS 1255 FT											

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)	Comments
Event	1	Call Out	Call Out	12/22/2017	12:30:00	USER				CALLED OUT BY SERVICE COORDINATOR FOR O/L AT 1900
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	12/22/2017	16:30:00	USER				HELD MEETING WITH ALL PERSONNEL IN CONVOY TO DISCUSS DIRECTIONS AND HAZARDS ASSOCIATED WITH DRIVING, ALL FIT TO DRIVE.
Event	3	Depart Shop for Location	Depart Shop for Location	12/22/2017	16:45:00	USER				JOURNEY MANAGEMENT PRIOR TO DEPARTURE
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	12/22/2017	18:00:00	USER				UPON ARRIVAL MET WITH COMPANY MAN TO DISCUSS JOB DETAILS AND CALCULATIONS, PERFORMED HAZARD HUNT AND SITE ASSESSMENT. Water test- PH-6, Chlor-0, Temp-60
Event	5	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	12/22/2017	18:10:00	USER				DISCUSSED RIGGING UP HAZARDS AND PROCEDURE ACCORDING TO HMS.
Event	6	Pre-Job Safety Meeting	Pre-Job Safety Meeting	12/22/2017	22:45:00	USER	285.00	-0.01	0.00	HELD SAFETY MEETING WITH ALL JOB ASSOCIATED PERSONNEL TO DISCUSS JOB PROCEDURE, HAZARDS AND STOP WORK AUTHORITY.
Event	7	Start Job	Start Job	12/22/2017	23:07:16	COM4	16.00	8.76	0.00	FILLED LINES WITH 3 BBLS OF FRESH WATER. 2 BPM

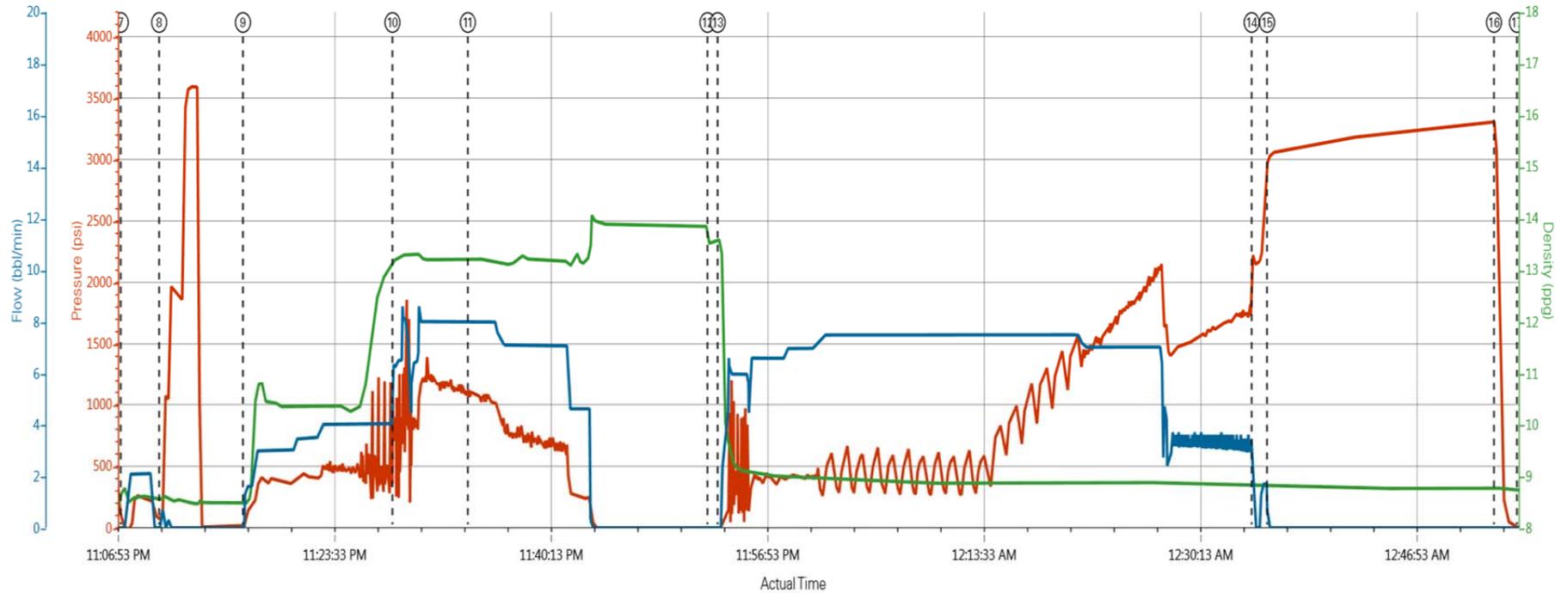
Event	Order	Event Name	Description	Date	Time	Code	Volume	Rate	Cost	Notes
										250 PSI.
Event	8	Test Lines	Test Lines	12/22/2017	23:10:13	COM4	66.00	8.55	0.00	500 KICKOUT - 900 PSI, 5TH GEAR STALL 1900 psi. TOOK PRESSURE UP TO 3500 PSI. HELD FOR A MINUTE. NO LEAKS.
Event	9	Pump Spacer 1	Pump Spacer 1	12/22/2017	23:16:40	COM4	28.00	8.48	1.60	PUMPED 40 BBLS OF 10.5#, 6.25 y, 40.2 wr. TUNED SPACER. 3 BPM 300 PSI.
Event	10	Pump Cement	Pump Cement	12/22/2017	23:28:11	COM4	816.00	13.22	6.20	PUMPED 112 BBLS (400 SKS) OF PRIMARY CEMENT. (13.2#, 1.57 y, 7.53 wr.) 7 BPM, 850 PSI.
Event	11	Check Weight	Check weight	12/22/2017	23:33:59	COM4	1096.00	13.19	8.00	WEIGHED UP CEMENT WITH PRESSURIZED MUD SCALES. SCALED UP AT 13.2#
Event	12	Drop Top Plug	Drop Top Plug	12/22/2017	23:52:26	COM4	-8.00	13.55	0.00	DROPPED TOP PLUG. CO. MAN WITNESSED.
Event	13	Pump Displacement	Pump Displacement	12/22/2017	23:53:13	COM4	-10.00	13.59	0.00	PUMPED 233 BBLS OF 9# OBM. 7.5 BPM 400 PSI. FULL CIRCULATION
Event	14	Bump Plug	Bump Plug	12/23/2017	00:34:20	COM4	2143.00	8.82	0.00	BUMPED PLUG AT 3 BPM. FCP 1750 PSI BUMP 2260 PSI.
Event	15	Pressure Up Well	Pressure Up Well	12/23/2017	00:35:31	COM4	3028.00	8.83	0.00	3000 PSI CASING TEST FOR 15 MINUTES AS PER CO. MAN.
Event	16	Check Floats	Check Floats	12/23/2017	00:53:00	USER	2952.00	8.76	0.00	bled pressure back. GOT 3 BBLS OF OBM TO TRUCK. FLOATS HELD.
Event	17	End Job	End Job	12/23/2017	00:54:46	COM4	0.00	8.72	0.00	NO CEMENT TO SURFACE. 6 BBLS OF SPACER TO SURFACE. ESTIMATED TOP OF CEMENT IS 1255 FT.

Event	18	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	12/23/2017	01:10:00	USER	0.00	8.09	3.30	DISCUSSED RIGGING DOWN HAZARDS AND PROCEDURE ACCORDING TO HMS.
Event	19	Depart Location Safety Meeting	Depart Location Safety Meeting	12/23/2017	03:15:00	USER				HELD MEETING WITH ALL HES EMPLOYESS IN CONVOY TO DISCUSS DIRECTIONS AND HAZARDS ASSOCIATED WITH DRIVING, ALL FIT TO DRIVE.
Event	20	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	12/23/2017	03:30:00	USER				PRE JOURNEY MANAGEMENT PRIOR TO DEPARTURE.

3.0 Job Chart

3.1 Job Chart

Anadarko Newby 27N-33HZ Intermediate



DS Pump Press (psi) DH Density (ppg) Comb Pump Rate (bbl/min)

▼ HALLIBURTON | iCem® Service

Created: 2017-12-22 19:43:56, Version: 4.2.393

Edit

Customer: EXTRACTION OIL & GAS-EBUS
 Representative: Adam Covington

Job Date: 12/22/2017 9:07:44 PM
 Sales Order #: 904526305

Well: Newby 27N-33HZ
 Thomas Haas