

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 3898961	Quote #: 0022542422	Sales Order #: 0905465201
Customer: ANADARKO PETROLEUM CORP-EBUS		Customer Rep: LEVI K.	
Well Name: BAJA BERG	Well #: 35-8HZ	API/UWI #: 05-123-47585-00	
Field: WATTENBERG	City (SAP): IONE	County/Parish: WELD	State: COLORADO
Legal Description: SE SW-35-2N-67W-1102FSL-2450FWL			
Contractor: PRECISION DRLG		Rig/Platform Name/Num: PRECISION 461	
Job BOM: 7525 7525			
Well Type: HORIZONTAL GAS			
Sales Person: HALAMERICA\HX41066		Srvc Supervisor: Vitali Neverdasov	

Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type	BHST		
Job depth MD	17888ft	Job Depth TVD	6905
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	6400	0	6287
Casing		7	6.276	26		HCP110	0	6600	0	6487
Casing	0	4.5	4	11.6	LTC	HCP110	6400	17839	6287	6905
Open Hole Section			6.125				6600	17849	6387	6905

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	4.5				Top Plug	4.5	1	WHED
Float Shoe	4.5	1	N/A	17888	Bottom Plug	4.5		
Float Collar	4.5	1	N/A	17832	SSR plug set	4.5		
Insert Float	4.5				Plug Container	4.5		
Stage Tool	4.5				Centralizers	4.5		

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	6.18		4		
0.75 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								
0.25 gal/bbl		D-AIR 3000L, 5 GAL PAIL (101007444)								

89.91 lbm/bbl	BARITE, BULK (100003681)
0.75 gal/bbl	MUSOL(R) A, 5 GAL PAIL (100064220)
37.58 gal/bbl	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
2	EconoCem	ECONOCEM (TM) SYSTEM	690	sack	13.5	1.68		6	8
8 Gal		FRESH WATER							
0.35 %		HR-5, 50 LB SK (100005050)							
0.10 %		SA-1015, 50 LB SACK (102077046)							

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	Biocide Water and MMCR	Biocide Water and MMCR	20	bbl	8.34			6	
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
4	Biocide Water	Biocide Water	222	bbl	8.34			5.5	

Cement Left In Pipe	Amount	0 ft	Reason	WET SHOE
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Comment : TOP OF CEMENT @ 6387'. DURING CLEANING 7" CASING GOT 60 BBLS OF SPACER, 13 BBLS OF CEMENT BACK TO SURFACE, FOLLOWED BY 25 BBLS OF CLEAN WATER.

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	2/9/2019	04:00:00	USER	For Location @ 10:00
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	2/9/2019	09:10:00	USER	Journey management meeting held prior to departure
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	2/9/2019	09:20:00	USER	Called Journey
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	2/9/2019	09:40:00	USER	8 MILES. Discussed numbers and job procedures with Customer. Rig is running Liner.
Event	5	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	2/9/2019	10:05:00	USER	JSA to discuss the hazards of rig-up
Event	6	Rig-Up Equipment	Rig-Up Equipment	2/9/2019	10:10:00	USER	Rig-up all surface lines and equipment up to the Buffer zone
Event	7	Casing on Bottom	Casing on Bottom	2/9/2019	19:00:00	USER	CASING LANDED
Event	8	Circulate Well	Circulate Well	2/9/2019	19:10:00	USER	RIG IS CIRCULATING.
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	2/9/2019	20:50:00	USER	With all essential personnel, to discuss the hazards of pumping the job, and pump schedule.
Event	28	Start Job	Start Job	2/9/2019	22:25:00	USER	
Event	47	Test Lines	Test Lines	2/9/2019	22:36:00	USER	Load line with 2 bbls of water. Test lines @ 4712 psi
Event	54	Pump Spacer	Pump Spacer	2/9/2019	22:40:00	USER	BATCH/ WEIGHT/ PUMP 60 BBLS OF TUNED SPACER WITH SURFACTANS @ 10.5 PPG
Event	60	Comment	Mud Cup Sample Pulled	2/9/2019	22:40:53	RTD Import	Mud Cup Sample Pulled
Event	85	Pump Tail Cement	Pump PRIMARY CEMENT	2/9/2019	22:55:00	USER	BATCH/ WEIGHT/ PUMP 690 SKS (206.5 BBLS) OF ECONOCEM @ 13.5 PPG.
Event	88	Comment	Mud Cup Sample Pulled	2/9/2019	22:56:21	RTD Import	Mud Cup Sample Pulled

Event	110	Shutdown	Shutdown	2/9/2019	23:35:00	USER	Finished pumping cement. Wash pumps and lines.
Event	134	Drop Top Plug	Drop DART	2/9/2019	23:40:00	USER	LOAD AND DROP DART
Event	139	Pump Displacement - Start	Pump Displacement - Start	2/9/2019	23:56:00	USER	242 bbls fresh water. First 20 BBLS with MMCR. Remaining with Biocide.
Event	146	Bump Plug	Bump Plug	2/10/2019	00:47:00	USER	BUMP PLUG @ 3010 PSI. HOLD PRESSURE FOR 10 MIN CASING TEST.
Event	151	Pump Water	Pump Water	2/10/2019	00:58:00	USER	PRESSURE UP / SHIFT WET SHOE SUB @ 3610 PSI AND PUMP 4 BBLS WET SHOE.
Event	152	Check Floats	Check Floats	2/10/2019	01:01:00	USER	Floats held. 1 bbl back
Event	155	Set Packer	Set Packer	2/10/2019	01:15:00	USER	
Event	164	Test Lines	BACK SIDE TEST	2/10/2019	01:24:00	USER	LINE UP FOR BACK SIDE AND TEST @ 3080 PSI FOR 10 MIN.
Event	173	Pump Water	Pump Water	2/10/2019	01:44:00	USER	ROLL 7" CASING CLEAN.
Event	180	Shutdown	Shutdown	2/10/2019	02:06:00	USER	60 BBLS OF SPACER , 13 BBLS OF CEMENT BACK TO SURFACE FOLLOWED BY 25 BBLS OF FRESH WATER.
Event	181	End Job	End Job	2/10/2019	02:08:00	USER	
Event	184	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	2/10/2019	02:11:00	USER	JSA to discuss the hazards of rig-down

3.0 Attachments

3.1 Job Chart

