

The Road to Excellence Starts with Safety

Sold To #: 300466	Ship To #: 0003860265	Quote #: 0022474823	Sales Order #: 0905052658
Customer: ANADARKO PETROLEUM CORP-EBUS		Customer Rep: TRAVIS LOURANCE	
Well Name: ZELDA		Well #: 25-7HZ	API/UWI #: 05-123-46392-00
Field: WATTENBERG	City (SAP): HUDSON	County/Parish: WELD	State: COLORADO
Legal Description: NW NW-25-2N-65W-373FNL-1249FWL			
Contractor: XTREME DRLG		Rig/Platform Name/Num: XTREME 22	
Job BOM: 7523 7523			
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	17552ft	Job Depth TVD	7509
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	1871	0	1871
Casing	0	5.5	4.892	17	LTC	HCP110	0	17552	0	7509
Open Hole Section			7.875				1871	17565	1871	7509

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	5.5				Top Plug	5.5	1	WHED
Float Shoe	5.5	1	N/A	17552	Bottom Plug	5.5	1	WHED
Float Collar	5.5	1	N/A	17550	SSR plug set	5.5		
Insert Float	5.5				Plug Container	5.5	1	HES
Stage Tool	5.5				Centralizers	5.5	373	N/A

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	6.96		3		
0.70 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								
0.25 gal/bbl		D-AIR 3000L, 5 GAL PAIL (101007444)								
79.92 lbm/bbl		BARITE, BULK (100003681)								

0.70 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	Gasstop B1	GASSTOP (TM) SYSTEM	630	sack	13.2	1.59		8	7.82	
0.10 Gal		D-AIR 3000L, TOTETANK (101396181)								
0.65 %		SCR-100 (100003749)								
5.22 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	1020	sack	13.5	1.68		8	8	
0.10 %		SA-1015, 50 LB SACK (102077046)								
8 Gal		FRESH WATER								
0.32 %		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	20	bbl	8.34			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	385	bbl	8.34			8		
Cement Left In Pipe		Amount	0 ft		Reason			WET SHOE		
Comment : ESTIMATED TOP OF LEAD @ 703'. TOP OF TAIL @ 7663'.										

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	8/11/2018	04:30:00	USER	For Location @ 09:00
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	8/11/2018	08:25:00	USER	Journey management meeting held prior to departure
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	8/11/2018	08:40:00	USER	Called Journey
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	8/11/2018	09:07:00	USER	15 MILES. Discussed numbers and job procedures with Customer. CONTAINMENT COMPANY NOT HERE. CALLED COORDINATOR. CONTAINMENT COMPANY ARRIVED @ 09:45
Event	5	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	8/11/2018	09:25:00	USER	JSA to discuss the hazards of rig-up
Event	6	Rig-Up Equipment	Rig-Up Equipment	8/11/2018	09:30:00	USER	Rig-up all surface lines and equipmnet up to the Buffer zone

Event	7	Casing on Bottom	Casing on Bottom	8/11/2018	09:50:00	USER	CASING LANDED
Event	8	Circulate Well	Circulate Well	8/11/2018	10:10:00	USER	RIG UP PLUG CONTAINER AND MANIFOLD FOR RIG TO CIRCULATE
Event	9	Start Job	Start Job	8/11/2018	11:19:53	COM4	
Event	10	Pre-Job Safety Meeting	Pre-Job Safety Meeting	8/11/2018	12:25:00	USER	With all essential personnel, to discuss the hazards of pumping the job, and pump schedule.
Event	11	Test Lines	Test Lines	8/11/2018	13:02:51	USER	Load line with 2 bbls of water. Test lines @ 6570 psi
Event	12	Pump Spacer	Pump Spacer	8/11/2018	13:29:00	USER	BATCH/ WEIGHT/ PUMP 80 BBLS OF TUNED SPACER III WITH SURFACTANS @ 10.5 PPG.
Event	13	Drop Bottom Plug	Drop Bottom Plug	8/11/2018	14:20:00	USER	Pre-loaded bottom plug in plug container, verified by customer rep
Event	14	Pump Lead Cement	Pump Lead Cement	8/11/2018	14:22:00	USER	BATCH/ WEIGH/ PUMP 630 SKS (178.4 BBLS) OF GASSTOP CEMENT USING LATEX WATER @ 13.2 ppg, verified with pressurized scales
Event	15	Pump Tail Cement	Pump Tail Cement	8/11/2018	14:49:00	USER	WEIGHT/ PUMP 1020 SKS (305.2 BBLS) OF ECONOCEM @ 13.5 ppg, verified with pressurized scales.

Event	16	Shutdown	Shutdown	8/11/2018	15:37:00	USER	Finished pumping cement
Event	17	Clean Lines	Clean Lines	8/11/2018	15:39:00	USER	Wash pumps and lines
Event	18	Drop Top Plug	Drop Top Plug	8/11/2018	15:50:00	USER	Pre-loaded top plug in plug container verified by customer rep.
Event	19	Pump Displacement - Start	Pump Displacement - Start	8/11/2018	15:52:00	USER	408 BBLs OF FRESH WATER. FIRST 20 BBLs WITH MMCR. REMAINING WITH BIOCID. LAST 100 BBLs FRESH WATER
Event	20	Bump Plug	Bump Plug	8/11/2018	16:52:00	USER	@500 psi over final circulating pressure of 2441 psi. PER CUSTOMER HOLD 3000 PSI CASING TEST FOR 15 MIN.
Event	21	Pump Water	Pump Water	8/11/2018	17:11:00	USER	Open wet shoe sub @ 4810 psi, and pump 5 bbl wet shoe
Event	22	End Job	End Job	8/11/2018	17:12:40	COM4	
Event	23	Check Floats	Check Floats	8/11/2018	17:40:00	USER	Floats held. 3 bbls back
Event	24	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	8/11/2018	17:45:00	USER	JSA to discuss the hazards of rig-down

Attachments

2.2 Job Chart

