

HALLIBURTON

iCem[®] Service

VERDAD OIL & GAS CORP

United States of America, COLORADO

For:

Date: Sunday, July 23, 2017

HOMESTEAD # 18

WELD, HOMESTEAD # 18

Case 1

Job Date: Sunday, July 23, 2017

Sincerely,

VITALI NEVERDASOV

Legal Notice

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1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DH Density <i>(ppg)</i>	Comb Pump Rate <i>(bbl/min)</i>	PS Pump Press <i>(psi)</i>	Comments
Event	1	Call Out	Call Out	7/23/2017	08:30:00	USER				For Location @ 13:30
Event	2	Depart Location for Service Center or Other Site	Depart from Service Center or Other Site	7/23/2017	12:54:00	USER				Called Journey
Event	3	Arrive at Location from Service Center	Arrive at Location from Service Center	7/23/2017	13:11:00	USER				7 Miles. Discussed numbers and job procedures with Customer. Rig is running casing.
Event	4	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	7/23/2017	13:21:00	USER				JSA to discuss the hazards of rig-up
Event	5	Rig-Up Equipment	Rig-Up Equipment	7/23/2017	13:28:00	USER				Spot equipment. Rig-up all surface lines and equipment up to the Buffer zone
Event	6	Casing on Bottom	Casing on Bottom	7/23/2017	15:02:00	USER				Landing joint brought to floor and landed
Event	7	Circulate Well	Circulate Well	7/23/2017	15:14:00	USER				10 BPM, 1088 psi . MW 9.7 PV12, YP 10
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	7/23/2017	18:03:00	USER	8.42	0.00	0.00	With all essential personnel, to discuss the hazards of pumping the job, and pump schedule.
Event	9	Start Job	Start Job	7/23/2017	18:29:54	COM4	8.33	0.00	-23.00	With water supplied from uprights, water tested good to mix cement, PH 7, Cl 0, Temp 77
Event	10	Test Lines	Test Lines	7/23/2017	18:34:00	USER	8.32	0.00	1922.00	Load line with 3 bbls of water. Test lines @ 6303 psi

Event	11	Drop Bottom Plug	Drop Bottom Plug	7/23/2017	18:39:00	USER	8.42	0.00	6037.00	Pre-loaded bottom plug in plug container, verified by customer rep
Event	12	Pump Spacer	Pump Spacer	7/23/2017	18:41:00	USER	8.32	0.00	1.00	40bbls tuned spacer @11.5 ppg with 28 gallons dual spacer B, 28 gallons musol A, 20 gallons de-air. verified with pressurized scales
Event	13	Pump Lead Cement	Pump Lead Cement	7/23/2017	18:55:00	USER	13.17	3.70	188.00	1090 sks(304.8 bbls) Elasticem @ 13.2 ppg, verified with pressurized scales
Event	14	Pump Tail Cement	Pump Tail Cement	7/23/2017	19:36:00	USER	13.14	7.50	460.00	940 sks(341.5 bbls) NeoCem @ 13.2 ppg, verified with pressurized scales.
Event	15	Shutdown	Shutdown	7/23/2017	20:24:00	USER	13.23	0.00	-61.00	Finished pumping cement
Event	16	Clean Lines	Clean Lines	7/23/2017	20:29:00	USER	13.14	0.00	-64.00	Wash pumps and lines
Event	17	Drop Top Plug	Drop Top Plug	7/23/2017	20:33:00	USER	9.93	4.30	27.00	Pre-loaded top plug in plug container verified by customer rep.
Event	18	Pump Displacement - Start	Pump Displacement - Start	7/23/2017	20:34:00	USER	7.99	4.30	-1.00	320.9 bbls fresh water. First 40 bbls with MMCR. Rest of Displacement with Biocide. Got spacer back @ 220 bbls. Cement back to surface @ 277 bbls.
Event	19	Bump Plug	Bump Plug	7/23/2017	21:40:00	USER	8.14	3.00	2525.00	@500 psi over final circulating pressure of 2570 psi
Event	20	Pump Water	Pump Water	7/23/2017	21:44:00	USER	8.15	0.00	3145.00	Open wet shoe sub @ 4950 psi, and pump 5 bbl wet shoe
Event	21	Check Floats	Check Floats	7/23/2017	21:49:00	USER	8.14	0.00	2238.00	Floats held. 2 bbls back
Event	22	Pre-Rig Down Safety	Pre-Rig Down Safety	7/23/2017	21:53:00	USER	8.12	0.00	3.00	JSA to discuss the hazards of

		Meeting	Meeting							
Event	23	End Job	End Job	7/23/2017	21:59:42	COM4	8.11	0.00	3.00	rig-down
Event	24	Depart Location Safety Meeting	Depart Location Safety Meeting	7/23/2017	23:31:00	USER				Journey management meeting held prior to departure
Event	25	Depart Location Safety Meeting	Depart Location for Service Center or Other Site	7/23/2017	23:43:00	USER				Called Journey

2.0 Attachments

2.1 Case 1-Custom Results.png

