

1.2 Job Overview

Job Details	
API #:	05-123-51904-00
City, County:	Johnstown, Weld
SO#:	0909480643

Job Times		
	DAY	TIME
Requested Time On Location:	7/24/24	03:00
Called Out Time:	7/23/24	21:00
Arrived On Location:	7/24/24	02:30
Job Started:	7/24/24	06:30
Job Completed:	7/24/24	10:00
Departed Location:	7/24/24	11:00

	Description	Units	Value
1	Surface temperature at the time of the job	degree F	65
2	Mud type (OBM, WBM, Synthetic, Water, Brine)	-	OBM
3	Mud density	Ppg	9.5
4	Casing set depth (shoe)	Ft	17705
5	TVD	Ft	7231
6	Float collar depth	Ft	17660.4
7	Length of rate hole	Ft	10
8	Previous casing shoe depth	Ft	17705
9	Pre-job mud circulation time	hh:mm	01:00

10	Pre-job mud circulation rate	bpm	9
11	Pre-job mud circulation volume	bbls	540
12	Mud circulation pressure at start of cement	psi	1240
13	Annual flow before the start of job	Y/N	Y
14	Pipe movement during cement job	Y/N	n
15	Calculated displacement	bbls	409.72
16	Job displaced by	Rig/HES	Hes
17	Estimated returns % during job	%	100
18	Fluid returns to surface	Spacer/Cement, bbls	35 Spacer
19	Final circulation pressure, rate prior to plug bump	psi @ bpm	2500 @ 2 BPM
20	Number of Centralizers	-	264
21	Number of bottom plugs	-	2
22	Number of trucks used preparing/during job	-	3
23	Add hours? If Yes, put #	Y/N and hours	N
24	NPT? If Yes, put #	Y/N and hours	N

1.1 Water Field Test

	Recorded Value	Unit	Acceptable Limit	Potential Problems if Values Exceed the Limit
pH	7		6.0 - 8.0	Chemicals in water can cause severe retardation
Temperature	75	F	60 - 80 F	Can pre-mature setting of cement
Chlorides	<300	ppm	3000 ppm	Can shorten thickening time

1.2 Actual Pump Schedule

	Density (ppg)	Volume (bbls)	Yield (ft ³ /sk)	Water Requirement (gal/sk)	Bulk Sacks (sks)	Total Water (gals)
Spacer Fluid	10.5	80	3.37	22.25	133.29	2966
Cap Cement						
Lead Cement	13	225.05	1.56	7.39	810	5986
Tail Cement	13.2	282.11	1.98	9.48	800	7584
Top Plug						
Displacement Fluid	8.33	409.72				17,208.24

2.0 Real-Time Job Summary

2.1 Job Event Log

Seq No.	Activity	Date	Time	Dwnhole Density (ppg)	Cmb Pump Rate (bbl/min)	Pump A Pressure (psi)	Cmb Stg Total (bbl)	Comments
1	Call Out	7/23/2024	21:00:00					Oxy - Precision 562 - Camenisch 33-5HZ CASING JOB - On location 7/24/24 @ 03:00 AM
2	Safety Meeting - Service Center or other Site	7/24/2024	01:00:00					Review Journey Management And Route With Crew Members
3	Depart from Service Center or Other Site	7/24/2024	01:20:00					Depart From Yard
4	Arrive At Loc	7/24/2024	03:00:00					Talk To Company Man (Steve) : TD = 17715', TP = 17705', ST = 1.04', OH = 7 & 7/8", CSG = 5.5" 17#, Previous Casing 8 & 5/8" Set @ 1854', WF = OBM @ 9.5#, Test Water = pH - 7, Chlorides - < 290 ppm, 55 F.
5	Safety Meeting - Assessment of Location	7/24/2024	03:10:00					Spot Equipment
6	Pre-Rig Up Safety Meeting	7/24/2024	03:20:00					Review JSA With Crew Members
7	Rig-Up Equipment	7/24/2024	03:30:00					Rigged Up All Iron And Hoses Needed For CMT Job With No Issues Or Incidents.
8	Rig-Up Completed	7/24/2024	04:50:00					Rigged Up All Iron And Hoses Needed For CMT Job With No Issues Or Incidents.

9	Rig-Up Completed	7/24/2024	05:00:00	0.00	0.14	-2.04	0.36	Rig Up Plug Container And Rig Floor To Circulate With Rig Pumps. Rig Circulated From 5:10 AM To 06:10 AM At 378GPM (9 BPM) With 1240 psi, Good Returns.
10	Safety Meeting - Pre Job	7/24/2024	06:00:00	8.27	0.00	-1.30	0.03	Review Job Procedure And JSA With Rig Hands, Co. Man, And HES Members
11	Start Job	7/24/2024	06:34:48	0.01	0.00	19.70	0.00	Started Recording Data
12	Drop Bottom Plug	7/24/2024	06:35:44	8.41	3.20	579.12	1.67	Verified Plug Dropped With Company Rep
13	Test Lines	7/24/2024	06:42:59	8.41	0.00	19.45	4.99	Tested Lines To 6000 PSI
14	Pump Spacer 1	7/24/2024	06:48:29	8.29	0.00	20.47	0.00	Pumped Tuned Prime Spacer @ 6 BPM With Avg Pressure Of 900 psi 10.5 PPG 80 BBls 3.37 Y 22.25 WR 133.29 SKS 2966 Mix Gallons
15	Drop Bottom Plug	7/24/2024	07:07:53	11.22	1.88	528.09	0.57	Verified Plug Dropped With Company Rep
16	Pump Lead Cement	7/24/2024	07:08:19	11.87	4.10	776.58	1.99	Pumped IsoBond Lead CMT @ 8 BPM With Avg Pressure Of 650 PSI 13 PPG 225.05 BBLS 1.56 Y 7.39 WR 810 SKS 5986 Mix Gallons Top Of Cmt Set At 1360.95
17	Pump Tail Cement	7/24/2024	07:41:36	12.97	4.21	246.08	221.19	Pumped NeoCem Tail CMT @ 8 BPM With Avg Pressure Of 700 PSI 13.2 PPG 282.11 BBLS 1.98 Y 9.48 WR 800 SKS 7584 Mix Gallons Top Of Cmt Set At 8608.88"
18	Check Weight	7/24/2024	07:44:54	13.14	4.18	286.34	13.75	Verified Weight With Pressurized Scales
19	Check Weight	7/24/2024	08:12:44	13.19	7.81	768.59	209.16	
20	Drop Top Plug	7/24/2024	08:38:21	8.12	0.00	8.35	13.41	Verified Plug Dropped With Company Rep
21	Pump Displacement	7/24/2024	08:38:24	8.12	0.00	8.13	0.00	Pumped Fresh Water Displacement Total Of 410 BBLS 17,208.24Gals At 9 BPM Avg With 1500 - 2000 PSI First 20 BBLS MMCR With Other Displacement Chems Through Out. Saw Spacer @ 375 BBls Away For Total Of 35 BBls Spacer To Surface.
22	Bump Plug	7/24/2024	09:47:32	8.40	0.00	3105.06	398.33	Bumped Plug @ 2 BPM Final Circulation Pressure 2500 - 3000 PSI

23	Bleed Casing	7/24/2024	10:03:02	8.44	0.00	3423.94	398.33	Bled Pressure Back To Zero And Got 5 bbls Back
24	Check Floats	7/24/2024	10:04:12	8.21	0.00	4.86	398.33	Floats Held Good.
25	End Job	7/24/2024	10:05:00					Stopped Recording Data
26	Pre-Rig Down Safety Meeting	7/24/2024	10:20:00					Review JSA With HES Crew Members
27	Rig-Down Equipment	7/24/2024	10:30:00					Rig Down Iron, Plug Container, And Hoses Used On Job
28	Rig-Down Completed	7/24/2024	10:40:00					All Equipment Rigged Down With No Issues Or Incidents
29	Safety Meeting - Departing Location	7/24/2024	10:50:00					Review Journey Management And Route With Crew Members
30	Depart Location for Service Center or Other Site	7/24/2024	11:00:00					Depart location

3.0 Attachments

3.1 Oxy - Precision 562 - Camenisch 33-5HZ Production.png

