

Cementing Treatment



Start Date	11/15/2017	Well	Janet 1-36
End Date	12/30/2017	County	Stanton
Client	MURFIN DRILLING CO INC	State/Province	KS
Client Field Rep	Juan Tinoco	API	15-187-21339
Service Supervisor		Formation	
Field Ticket No.		Rig	
District	Liberal, KS	Type of Job	Surface

WELL GEOMETRY

Type	ID (in)	OD (in)	Wt. (lb/ft)	MD (ft)	TVD (ft)	Excess(%)	Grade	Thread
Open Hole	12.25			1,650.00	1,650.00	100.00		
Casing	8.10	8.63	24.00	1,650.00	1,650.00			

Shoe Length (ft): 41

HARDWARE

Bottom Plug Used?	No	Tool Type
Bottom Plug Provided By		Tool Depth (ft)
Bottom Plug Size		Max Tubing Pressure - Rated (psi)
Top Plug Used?	No	Max Tubing Pressure - Operated (psi)
Top Plug Provided By		Max Casing Pressure - Rated (psi)
Top Plug Size		Max Casing Pressure - Operated (psi)
Centralizers Used	No	Pipe Movement
Centralizers Quantity		Job Pumped Through
Centralizers Type		Top Connection Thread
Landing Collar Depth (ft)	1,755	Top Connection Size

CIRCULATION PRIOR TO JOB

Well Circulated By _____ Solids Present at End of Circulation No

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Circulation Prior to Job No **10 sec SGS**
Circulation Time (min) **10 min SGS**
Circulation Rate (bpm) **30 min SGS**
Circulation Volume (bbls) **Flare Prior to/during the Cement Job** No
Lost Circulation Prior to Cement Job No **Gas Present** No
Mud Density In (ppg) **Gas Units**
Mud Density Out (ppg)
PV Mud In
PV Mud Out
YP Mud In
YP Mud Out

TEMPERATURE

Ambient Temperature (°F) **Slurry Cement Temperature (°F)**
Mix Water Temperature (°F) **Flow Line Temperature (°F)**

BJ FLUID DETAILS

Fluid Type	Fluid Name	Density (ppg)	Yield (Cu Ft/sk)	H2O Req. (gals/sk)	Vol (sk)	Vol (Cu Ft)	Vol (bbls)
Lead Slurry	Lightweight Lead	12.0000	2.2511	12.83	500	1,114.0000	198.2000
Tail Slurry	Tail Cement	14.9000	1.3336	6.21	200	263.0000	46.7000
Displacement Final	Displacment	8.3400				0.0000	102.4000

Fluid Type	Fluid Name	Component	Concentration	UOM
Lead Slurry	Lightweight Lead	EXTENDER, BENTONITE	6.00	BWOB
Lead Slurry	Lightweight Lead	IntegraSeal CELLO	0.25	LBS/SK
Lead Slurry	Lightweight Lead	CEMENT, ASTM TYPE I	65.00	PCT
Lead Slurry	Lightweight Lead	CEMENT, FLY ASH	35.00	PCT

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		(POZZOLAN)	
Lead Slurry	Lightweight Lead	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A- 7P, PELLETS	3.00 BWOB
Tail Slurry	Tail Cement	CEMENT, ASTM TYPE I	100.00 PCT
Tail Slurry	Tail Cement	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A- 7P, PELLETS	3.00 BWOB

TREATMENT SUMMARY

Time	Fluid	Rate (bpm)	Fluid Vol. (bbls)	Pipe Pressure (psi)	Annulus Pressure (psi)	Comments
	Lightweight Lead	0.00	198.20			
	Tail Cement	0.00	46.70			
	Displacment	0.00	102.40			

	Min	Max	Avg
Pressure (psi)	0.00	0.00	0.00
Rate (bpm)	0.00	0.00	0.00

DISPLACEMENT AND END OF JOB SUMMARY

Displaced By		Amount of Cement Returned/Reversed	
Calculated Displacement Volume (bbls)		Method Used to Verify Returns	
Actual Displacement Volume (bbls)		Amount of Spacer to Surface	
Did Float Hold?	Yes	Pressure Left on Casing (psi)	
Bump Plug	No	Amount Bled Back After Job	
Bump Plug Pressure (psi)		Total Volume Pumped (bbls)	
Were Returns Planned at Surface	No	Top Out Cement Spotted	No
Cement returns During Job		Lost Circulation During Cement Job	No

CEMENT PLUG

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Bottom of Cement Plug?	No	Wiper Balls Used?	No
Wiper Ball Quantity		Plug Catcher	No
Number of Plugs			

SQUEEZE

Injection Rate (bpm)	Fluid Density (ppg)
Injection Pressure (psi)	ISIP (psi)
Type of Squeeze	FSIP (psi)
Operators Max SQ Pressure (psi)	

COMMENTS

Treatment Report

Job Summary

Customer Name Murfin Drilling
 Well Name Janet 1-36
 Job Type Surface

District Liberal
 Supervisor Victor Corona-Marta
 Engineer Kevin Aldridge



Seq No.	Start Date/Time	Category	Event	Equipment	Event ID	Density (lb/gal)	Pump Rate (bpm)	Pump Vol (bbls)	Pipe Pressure (psi)	Comments
	11/13/2017 11:30pm	Mobilization	Leave location	Cement Pump Truck						Pretrip trucks had journey management brief
	11/14/2017 2:30am	Mobilization	Arrive on location	Cement Pump Truck						Arrived at location
	11/14/2017 3:00am	Standby	3rd Party Other							Casing crew had 4000 feet of pipe left
	11/14/2017 6:00am	Operational	Other (See comments)	Cement Pump Truck						spotted trucks to rig
	11/14/2017 6:15am	Operational	Rig Up	Cement Pump Truck						rig up to rig
	11/14/2017 7:15am	Operational	Safety Meeting							safety meetin
	11/14/2017 7:58am	Operational	Pressure Test	Cement Pump Truck					4500	pressure test lines to 4500psi
	11/14/2017 8:09am	Operational	Pump Spacer	Cement Pump Truck		9.5	4	50bbls	140	50bbls of mud purge with chemicals 9.5lbs
	11/15/2017 8:00am	Operational	Other (See comments)							Pretrip trucks had journey management brief
	9:30am	Mobilization	Leave location	Cement Pump Truck						leaving yard to location
	11:00am	Mobilization	Arrive on location	Cement Pump Truck						Arrived at location
	11:30am	Standby	Other (See comment)							Casin crew showed up
	13:45pm	Mobilization	spot trucks	Cement Pump Truck						spotted trucks to rig
	14:00pm	Operational		Cement Pump Truck						rig up to rig
	14:40pm	Operational	Safety Meeting							safety meeting with company man rig crew and BU crew
	14:51pm	Operational	Pressure Test	Cement Pump Truck					1500	pressure test lines to 1500 psi
	14:52pm	Operational	Pump Spacer	Cement Pump Truck		8.33	5	10	70	10bbls of water spacer
	14:54pm	Operational	Pump Lead Cement	Cement Pump Truck		12	5	200	50	lead cement 500sacks, 200bbls @12lbs
	15:32pm	Operational	Pump Tail Cement	Cement Pump Truck		14.9	5	47	80	tail cement 200sacks 47bbls @14.9lbs
	15:46pm	Operational	Drop Top Plug							drop plug/wash on top of plug
	15:48pm	Operational	Start Pumping	Cement Pump Truck				109		start displacement 109bbls of water
	15:52pm	Operational	Pump Displacement	Cement Pump Truck		8.33	5	20	120	20bbls gone
	15:56pm	Operational	Pump Displacement	Cement Pump Truck		8.33	5	40	140	40bbls gone
	16:00pm	Operational	Pump Displacement	Cement Pump Truck		8.33	5	60	190	60bbls gone
	16:04pm	Operational	Pump Displacement	Cement Pump Truck		8.33	5	80	250	80bbls gone
	16:08pm	Operational	Pump Displacement	Cement Pump Truck		8.33	5	100	320	100bbls gone/slow down rate to 3bpm
	16:11pm	Operational	Pump Displacement	Cement Pump Truck		8.33	3	109	880	bump plug/ check if float holds
										had 40bbls of cement to surface
										and 5bbls of water returns
										rig down
34										
35										Crew and I thanked the company man
36										and rig crew for job opportunity
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