

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 346707	Ship To #: 2872491	Quote #:	Sales Order #: 8400011
Customer: QUICKSILVER RESOURCES INC-EBUSINESS		Customer Rep: Hord, Ryan	
Well Name: Perlaw Partners Ltd		Well #: 1-3	API/UWI #:
Field:	City (SAP): HAYDEN	County/Parish:	State: Texas
Legal Description:			
Lat:		Long:	
Contractor: DHS		Rig/Platform Name/Num: 6	
Job Purpose: Cement Multiple Stages			Ticket Amount:
Well Type: Exploratory / Wildcat		Job Type: Cement Multiple Stages	
Sales Person: SCOTT, KYLE		Srvc Supervisor: BIRCHELL, DEVIN	MBU ID Emp #: 466993

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	08/18/2011 04:00							
Pre-Convoy Safety Meeting	08/18/2011 07:00							
Depart from Service Center or Other Site	08/18/2011 08:00							Elite and 2 Bulk Trucks Departed for Location waited for third bulk to be completely loaded
Depart from Service Center or Other Site	08/18/2011 09:00							Departed for location with third bulk truck and hose trailer
Arrive At Loc	08/18/2011 11:00							Elite and 2 Bulk truck arrived on location.
Arrive At Loc	08/18/2011 11:30							Service Supervisor and 3rd Bulk Truck arrived on location
Pre-Rig Up Safety Meeting	08/18/2011 11:45							Discussed hazards on location and where to spot the trucks
Pre-Job Safety Meeting	08/18/2011 13:00							Discussed hazards of the job, including high pressure lines.
Pressure Test	08/18/2011 13:10							Pressure tested to 5000PSI
Pump Spacer	08/18/2011 13:12		5	20			150.0	Pumped 20BBL Tuned Spacer III 10.0ppg yield:7.49ft ³ /sk, water: 51.46gal/sk
Pump 1st Stage Lead Slurry	08/18/2011 13:16		5	87			100.0	Pumped 87BBL Econocem 12.20ppg yield:2.23ft ³ /sk, water:11.80gal/sk

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Thursday, August 18, 2011 09:28:00

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Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump 1st Stage Tail Slurry	08/18/2011 13:32		4	18			155.0	Pumped 18BBL ExtendaCem 14.20ppg yield:1.29ft ³ /sk, water 5.28gal/sk
Drop Top Plug	08/18/2011 13:43							Dropped Top Plug for 1st Stage
Pump Displacement	08/18/2011 13:43		4	100			70.0	Pump 100BBL OBM @8.34ppg
Pump Displacement	08/18/2011 14:21		2	10			80.0	Pump 10BBL Fresh Water
Pump Displacement	08/18/2011 14:26		4	101			80.0	Pump 101BBL OBM@8.34ppg
Bump Plug	08/18/2011 14:28							
Drop Opening Device For Multiple Stage Cementer	08/18/2011 15:04							Dropped opening tool for DV tool.
Circulate Well	08/18/2011 15:06							Rig started circulating well until first stage cement was set.
Pre-Job Safety Meeting	08/18/2011 17:29							
Pressure Test	08/18/2011 19:56							
Pump Water	08/18/2011 20:00							
Pump 2nd Stage Lead Slurry	08/18/2011 20:04		5.5	85			170.0	Pumped 84BBL Econocem 12.20ppg yield:2.23ft ³ /sk, water:11.80gal/sk
Pump 2nd Stage Tail Slurry	08/18/2011 20:20		4	17			135.0	Pumped 17BBL ExtendaCem 14.20ppg yield:1.29ft ³ /sk, water 5.28gal/sk
Drop Opening Device For Multiple Stage Cementer	08/18/2011 20:24							Dropped closing plug for DV tool.
Pump Displacement	08/18/2011 20:28		4.5	100			100.0	Pumped 100BBL OBM @8.34ppg. Lost returns with 85BBL away. Reduced rate to 3BPM with 95BBL away.
Pump Displacement	08/18/2011 20:51		3	5			85.0	Pumped 5BBL Water.
Bump Plug	08/18/2011 20:52						2175.0	Bumped Plug at 400PSI with 104BBL Away, Held at 2175PSI per company representative

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Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	08/18/2011 20:54							Floats Held with 1BBL back.
Post-Job Safety Meeting (Pre Rig-Down)	08/18/2011 21:00							
Depart Location for Service Center or Other Site	08/18/2011 22:00							

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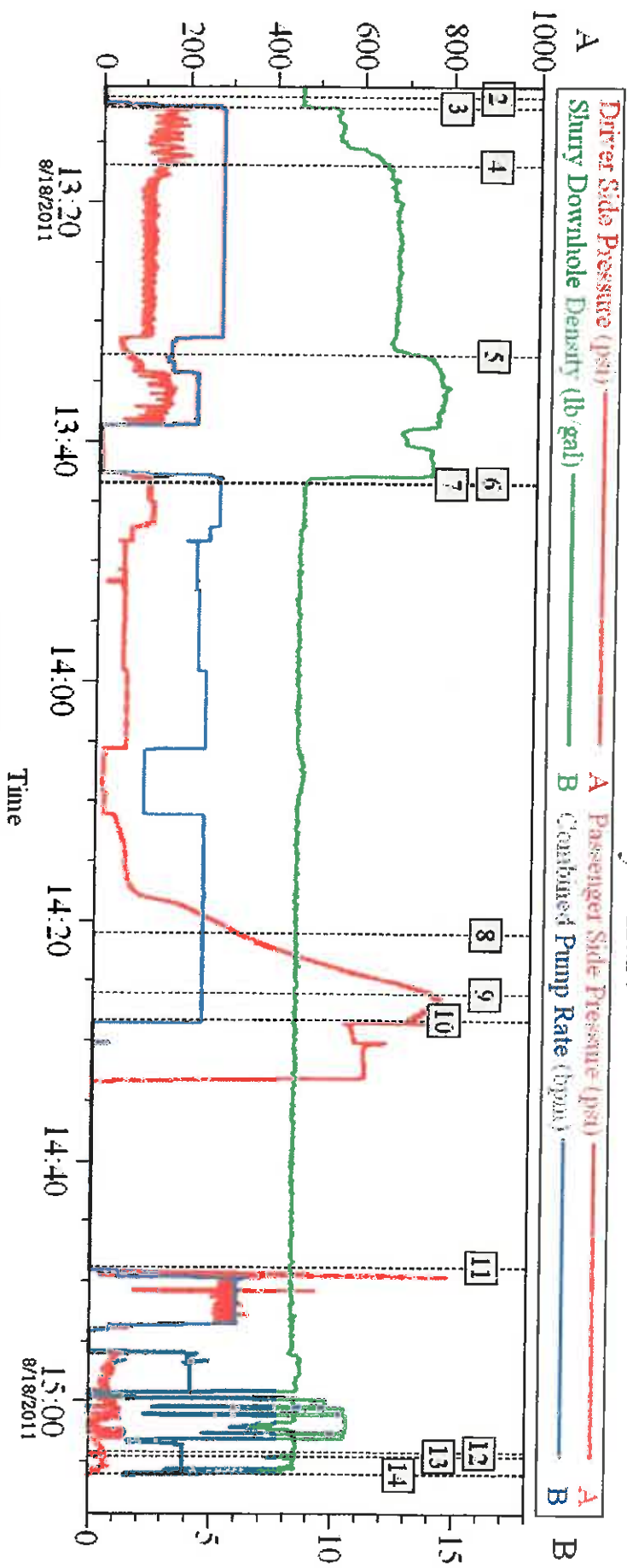
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Quicksilver Pertlaw Partners Ltd 1-3

Job Summary Chart



Global Event Log

2	Start Job	13:11:14	3	Pump Tuned Spacer III	13:12:07
4	Pump 1st Stage Lead	13:16:57	5	Pump 1st Stage Tail Cement	13:32:47
6	Drop Plug	13:43:22	7	Pump Mud Displacement	13:43:30
8	Pump Fresh Water	14:21:02	9	Pump Mud Displacement	14:26:03
10	Bump Plug	14:28:13	11	Drop Opening Device For Multiple Stage Cementer	14:48:49
12	Pump Mud Displacement	15:04:13	13	Open Multiple Stage Cementer	15:04:33
14	Tuned Well Over to Rig	15:06:03			

Customer: Quicksilver Resources
Well Description: 7" Intermediate 1st Stage
Service Supervisor: Devin Birchell

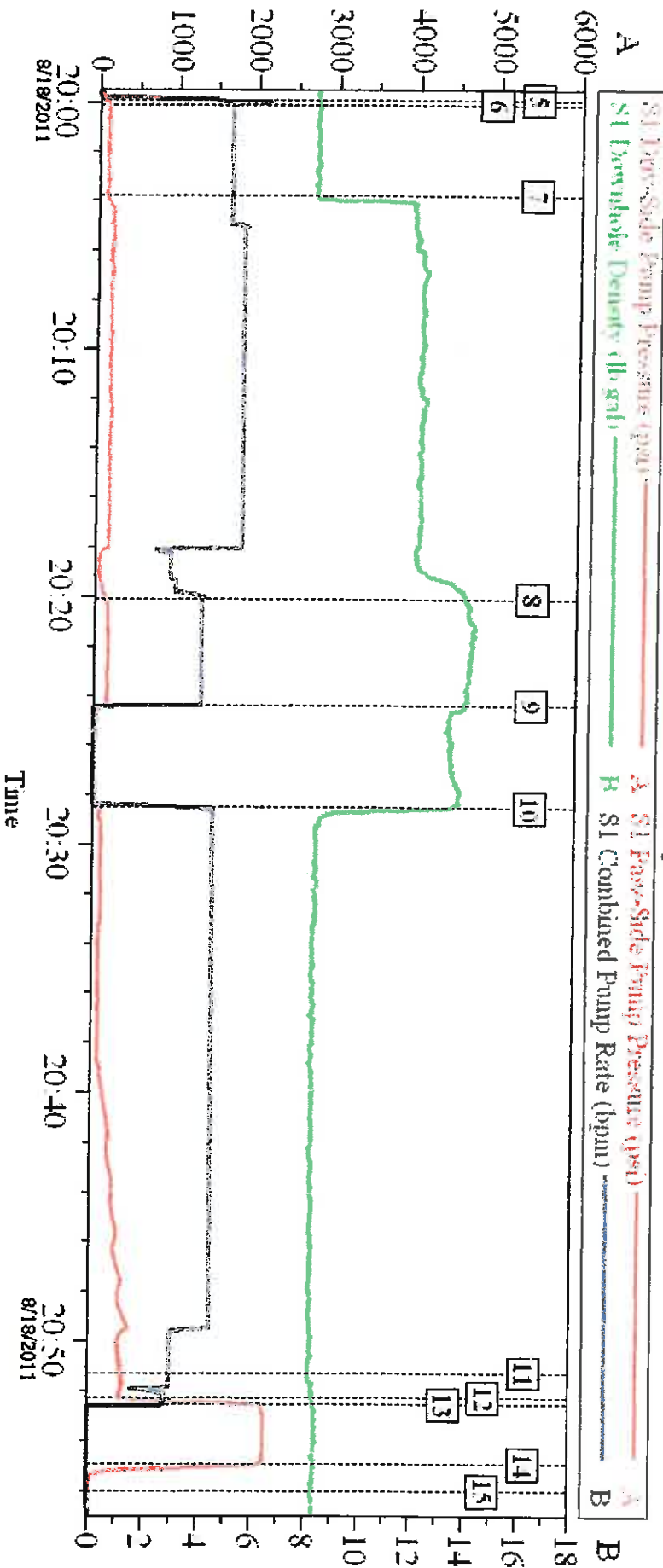
Job Date: 18-Aug-2011
TVWT:
Service Operator: Jared Allred

Sales Order #: 8400011
File #: 11076824
Service Leader: Mike Still

OptiCam V6.4.9
 18-Aug-11 19:22

Quicksilver Perlaw Partners Ltd 1-3

Job Summary Chart



Customer: Quicksilver Resources	Job Date: 18-Aug-2011	Sales Order #: 8400011
Well Description: 7" Intermediate 2nd Stage	TVVT	Effite #: 11076824
Service Supervisor: Devin Birchell	Service Operator: Jared Allied	Service Leader: Mike Still