

Final Operational/Workover Report Completion

Para et al Cameron L-73

Well ID # 2033

UWI: 300L736010117151



On March 13, 2007 Paramount Resources Ltd. moved Precision Well Servicing rig # 34 onto Para et al Cameron L-73 to perform a completion operation to evaluate the Sulphur Point formation for oil potential. Service rig operations were completed on March 22, 2007. A chronological summary of the operations follows.

- 13/3/2007:** Moved service rig and ancillary equipment onto the location.
- 14/3/2007:** Rigged up service rig. Installed BOP's. Ran in hole with bit and scraper to PBTD. Circulated wellbore clean with 3% KCl water. Pulled out of hole and recovered the bit and scraper.
- 15/3/2007:** Rigged n electric wireline unit. Ran cement bond log from PBTD at 1432 mKB to 1200 mKB. Ran in and perforated from 1416 – 1420 and 1422 – 1426 mKB. No pressure response after perforating. Ran in the hole with selective acidizing tools on the tubing string.
- 16/3/2007:** Performed selective acid squeeze on all perforations using 15% HCl acid at 1 m³ of acid per meter of perforations. Pulled 10 swabs. Recovered 14 m³ while swabbing. Final oil cut approximately 20%.
- 17/3/2007:** Pulled 16 swabs. Recovered 23.7 m³ of fluid. Final oil cut 100%. Ran in with swab number 17 and swabbing assembly got stuck at approximately 1389 meters. Flowed well to test unit overnight.
- 18/3/2007:** Pulled twice on sand line and swab assembly came free. Pulled swab assembly almost to surface and sand line parted. Killed well and pulled tubing to sand line. Tied on to sand line and pulled swab assembly to surface. Finished out of the hole with the tubing. Re-ran the tubing with a PSN and anchor on bottom. Set the anchor with the tubing bottom at 1428 mKB.
- 19/3/2007:** Landed the tubing in the tubing hanger. Removed the BOP's and installed the wellhead. Pulled 21 swabs. Recovered a total of 9.04 m³ of oil and 18.21 m³ water.
- 20/3/2007:** Rigged in slickline unit and ran a static gradient. Pulled nine swabs. Well flowing between swabs. Recovered a total of 11.79 m³ of oil and 4.31 m³ of water.

21/3/2007: Pulled 15 swabs. Well flowing between swabs. Recovered 18.28 m³ oil with no water.

22/3/2007: Bled well off to test unit. Pumped 6 m³ down tubing to kill the well. Ran in the hole with a bottom hole pump and rod string. Landed pump in the PSN. Installed the pumping wellhead. Rigged out the service rig and ancillary equipment.

ACID TREATMENT REPORT

Owner Address #4700, 888 - 3rd Street S.W. CITY Province Program No.: P216852-1						Service Order Number: S273398 Well Name And Number: PARA SL CAMERON L-73 UWI: 300/L-60-1038-11729/0 Job Type: SELECTIVE ACID SQUEEZE Rig: PD 34 Formation Treated: SULPHUR POINT Well Type: New						Date: 16-Mar-2007 Job Status: Reservoir Fluid: Oil						
Tubing		O.D.	WT.	Depth	Vol.	MPa	Treating Materials				Treating Materials				Treating Materials			
Casing		73.00	9.67	1428.00	4.30	7.00	0.5 M3 Nowferr 5000 15% Acid bler				1 M3 Nowferr 5000 15% Acid				8 M3 Nowferr 5000 15% Acid			
Open Hole		139.70	20.83	1450.00			6 L Nowferr 1W Iron Control				6 L Nowferr 1W Iron Control				96 L Nowferr 1W Iron Control			
Total					4.30		0.375 KG Nowferr 14P Iron Control				0.375 KG Nowferr 14P Iron Control				6 KG Nowferr 14P Iron Control			
Packer :		m		PBTD:	m		0.05 L FP-12L Foam Preventer				0.05 L FP-12L Foam Preventer				0.8 L FP-12L Foam Preventer			
Perforations		From (m)	To (m)	TYPE			11.5 L AH-1 Non-Emulsifier/Anti-St				11.5 L AH-1 Non-Emulsifier/Anti-St				184 L AH-1 Non-Emulsifier/Anti-St			
Interval		1416.0	1420.0	Perforations			1.5 L AI-275 Corrosion Inhibitor /				1.5 L AI-275 Corrosion Inhibitor				24 L AI-275 Corrosion Inhibitor			
		1422.0	1426.0	Perforations			0.5 L P-1500 Scale Inhibitor				0.5 L P-1500 Scale Inhibitor				8 L P-1500 Scale Inhibitor			
							0.5 L AS-352 Non-emulsifier & Ar				0.5 L AS-352 Non-emulsifier				8 L AS-352 Non-emulsifier			
							0.5 L Nowferr 15 Dispersant/Wate				0.5 L Nowferr 15 Dispersant/Wate				8 L Nowferr 15 Dispersant/Wate			
Bottom Hole Temperature:		47	°C															
Ambient Temperature:		-15	°C															
BJ Service Representative KARKABE,TAO						Customer Representative Roger Obrigewicch												
Time	Press. (MPa)		Volume (m³)			Rate (m³/min)	Ratio CO2/N2 (scm)	Arrived on Location		16-Mar-2007		07:30		Hours				
	Casing	Tubing	Out Of Tanks	Stage	In Form			Left Location		16-Mar-2007		16:00		Hours				
11:00								Prejob meeting										
11:20	1.0	3.0	0.40	0.40		0.07		BREACK CIRCULATION										
11:26								SHUT DOWN										
11:31		19.0						PRESSURE TEST SURFACE IRON										
11:36	1.0	2.6	0.90	0.50		0.25		Start pump, acid										
11:38	1.1	2.6	4.70	3.80		0.30		DISPLACE KCL WATER										
11:48								STOP PUMP										
11:48								RESET MANIFOLD										
11:49	2.4	1.0	9.50	4.80		0.10		Backwash										
12:40								STOP PUMP										
12:42								RESET MANIFOLD										
12:54	0.2	0.4	9.70	0.20		0.15		START PUMP KCL WATER										
12:56		19.0						PRESSURE TEST SURFACE IRON										
12:59	1.0	3.5	14.00	4.30		0.50		START PUMP ACID										
13:18	0.1	0.9	14.25	0.25	0.25	0.05		WASH #1										
13:20								STOP PUMP										
13:20	3.0	5.0	15.43	1.18	1.18	0.15		START SQUEEZE										
13:22								STOP PUMP										
13:25	2.0	5.0	16.61	1.18	1.18	0.20		START SQUEEZE										
13:50								STOP PUMP										
14:16	3.0	6.5	17.79	1.18	1.18	0.75		START SQUEEZE										
14:18								STOP PUMP										
14:22	3.0	6.5	18.97	1.18	1.18	0.80		START SQUEEZE										
14:24								STOP PUMP										
14:30								PULL UP ONE JOINT BREAK OFF										
14:40	0.5	1.1	20.27	1.30		0.50		START PUMP WATER										
14:45								STOP PUMP										
14:48	1.0	6.0	24.27	4.00		0.50		START PUMP ACID										
14:56	1.5	3.4	24.57	0.30		0.20		DISPLACE KCL WATER										
15:01	0.8	6.8	25.57	1.00	1.00	0.50		START SQUEEZE										
15:03								STOP PUMP										
15:04	3.0	6.8	26.57	1.00	1.00	0.50		START SQUEEZE										
15:07								STOP PUMP										
15:09	3.3	6.0	27.57	1.00	1.00	0.50		START SQUEEZE										
15:10								STOP PUMP										
15:11	3.3	6.8	28.57	1.00	1.00	0.50		START SQUEEZE										
15:16								STOP PUMP										
								Rig out BJ Services										



BJ Services JobMaster Program Version 3.10

Job Number: S273398

Customer: PARAMOUNT

Well Name: 60-10-N-117-15-W

