



Treatment Report

Customer: Occidental Petroleum Corp.

Job #: JOB00137528

Rep: David Cornett

Rig: Ikon 12

Job Date: Oct 17 @ 03:10

Supervisor: James Ragle

Well: SCHLAGEL 5-2HZ

Time Requested:

Job Type: US Primary

UWI: SCHLAGEL 5-2HZ

Time Arrived: Oct 17 @ 01:10

Casing-Surface

Surface: SEC5, T3N, R67W

Time Released: Oct 17 @ 06:10

847.0 MAG S 14.1 1.00% MCA-1 + 0.10% MCDF-P
0

Yield: 1.28m3/t = 1084.16m3

Mix Water: 5.89m3/t = 4988.83m3

1 Grade	J-55	1 Size (mm, in)	9.625	1 Weight (kg/m, lb/ft)	36
BHCT (°C, °F)	88	BHST (°C, °F)	105	Collapse Csg Pressure (MPa, psi)	1890
Float Depth (m, ft)	1809	Funnel Vis (sec/L, sec/qt)	TBD	Max Csg Pressure (MPa, psi)	4096
Max Pressure (MPa, psi)	1300	Mud Density (kg/m3, lb/gal)	TBD	Mud Type	WBM
Plug Size (mm, in)	9.625	Plug Type	Rig Supplied	TMD (m, ft)	1869
TVD (m, ft)	1859				

Treatment Info:	Tonnes Used:	Tonnes Not Used:	0.00
Preflush:	10m3 MAG Mark & 10m3 Fresh Water	Slurry Temp:	71
		Water Temp:	65
		Bulk Temp:	55
Displace:	140m3 Fresh Water	Slurry Returns:	20 Plug Bumped: Yes
		Pump Out Lines:	Yes
		Float Held:	Yes
		Circulation Time:	1
		Bulk Sample:	Yes
		Water Sample:	Yes
		Slurry Sample:	Yes

Time	Pressure MPa	Annular Pressure MPa	Volume Per Stage m3	Total Stage Volume m3	Rate m3/min	Treatment Detail
01:30	0.00					Arrive on Location - GOT NUMERS FROM COMPANY MAN. REQUESTED TIME 2:00 AM RIG RUNNING CASING
03:54	0.00					Safety Meeting - HOLD MEETING WITH RIG HANDS AND CREW
04:17	120.00			5.00	3	Fill Lines - FILL PUMPS AND LINES WITH MAG MARK
04:21	2200.00			0.50		Start Pressure Test - TEST PUMPS AND LINES
04:24	150.00			15.00	3	Pump Preflush - PUMP 5BBLs MAG MARK 10BBLs FRESH
04:28	250.00			193.00	5	Pump Slurry - PUMP 847SKS/193BBLs OF MAG S 14.1# 1.28Y 5.89GPS
05:13	0.00					Stop Pumping
05:15	0.00					Drop Plug - DROP PLUG WITNESSED BY COMPANY MAN

05:20	350.00			120.00	5	Displace - PUMP FRESH WATER CALCULATED 140 BBLS
05:45	750.00			20.00	3	Decrease Rate - SLOW DOWN TO LAND PLUG
05:52	1350.00					Bump Plug - LAND PLUG 420BBLS DISPLACEMENT 20 BBLS CEMENT TO SURFACE, LAND PLUG 500PSI OVER
05:57	0.00					Check Floats - FLOATS HELD 1 BBLS BACK TO PUMP
06:10	0.00					Wash Up Truck
06:30	0.00					Leave Location