



## Treatment Report

**Customer:** Occidental Petroleum Corp.

**Job #:** JOB00136642

**Rep:** David Cornett

**Rig:** Ikon 12

**Job Date:** Oct 15 @ 08:10

**Supervisor:** James Ragle

**Well:** Schlagel 5-4HZ

**Time Requested:**

**Job Type:** US Primary

**UWI:** Schlagel 5-4HZ

**Time Arrived:** Oct 15 @ 07:10

Casing-Surface

**Surface:** SEC5, T3N, R67W

**Time Released:** Oct 15 @ 12:10

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

**Yield:** 1.28m3/t = 1118.72m3

**Mix Water:** 5.89m3/t = 5147.86m3

1 Grade	J-55	1 Size (mm, in)	9.625	1 Weight (kg/m, lb/ft)	36
BHCT (°C, °F)	88	BHST (°C, °F)	104	Collapse Csg Pressure (MPa, psi)	1896
Float Depth (m, ft)	1847	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)	1897
TVD (m, ft)	1886				

<b>Treatment Info:</b>	<b>Tonnes Used:</b>	<b>Tonnes Not Used:</b>	0.00
<b>Preflush:</b>	10m3 MAG Mark & 10m3 Fresh Water	<b>Slurry Temp:</b>	71
<b>Displace:</b>	142.7m3 Fresh Water	<b>Water Temp:</b>	65
<b>Slurry Returns:</b>	22 Plug Bumped: Yes	<b>Bulk Temp:</b>	62
		<b>Slurry Sample:</b>	Yes
		<b>Water Sample:</b>	Yes
		<b>Slurry Sample:</b>	Yes
		<b>Pump Out Lines:</b>	Yes
		<b>Float Held:</b>	Yes
		<b>Circulation Time:</b>	1

Time	Pressure MPa	Annular Pressure MPa	Volume Per Stage m3	Total Stage Volume m3	Rate m3/min	Treatment Detail
07:00	0.00					Arrive on Location - GOT NUMERS FROM COMPANY MAN. REQUESTED TIME 8:00 AM RIG RUNNING CASING
09:25	0.00					Safety Meeting - HOLD MEETING WITH RIG HANDS AND CREW
09:38	120.00			5.00	3	Fill Lines - FILL PUMPS AND LINES WITH MAG MARK
09:42	2200.00			0.50		Start Pressure Test - TEST PUMPS AND LINES
09:44	150.00			15.00	3	Pump Preflush - PUMP 5BBLs MAG MARK 10BBLs FRESH
09:50	250.00			193.00	5	Pump Slurry - PUMP 847SKS/193BBLs OF MAG S 14.1# 1.28Y 5.89GPS
10:35	0.00					Stop Pumping
10:40	0.00					Drop Plug - DROP PLUG WITNESSED BY COMPANY MAN

10:41	350.00			120.00	5	Displace - PUMP FRESH WATER CALCULATED 142.8 BBLs
11:10	750.00			22.00	3	Decrease Rate - SLOW DOWN TO LAND PLUG
11:20	1350.00					Bump Plug - LAND PLUG 142 BBLs DISPLACEMENT 22 BBLs CEMENT TO SURFACE, LAND PLUG 500PSI OVER
11:25	0.00					Check Floats - FLOATS HELD 1 BBLs BACK TO PUMP
11:30	0.00					Wash Up Truck
12:00	0.00					Leave Location