



Treatment Report

Customer: Occidental Petroleum Corp.

Job #: JOB00136638

Rep: David Cornett

Rig: Ikon 12

Job Date: Oct 11 @ 18:10

Supervisor: Travis Tolman

Well: Schlagel 5-8HZ

Time Requested:

Job Type: US Primary

UWI: Schlagel 5-8HZ

Time Arrived: Oct 11 @ 20:10

Casing-Surface

Surface: SEC5, T3N, R67W

Time Released: Oct 12 @ 01:10

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) | 104 | Float Depth (m, ft) | 1848 |
| Funnel Vis (sec/L, sec/qt) | TBD | 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) | 1888 | TVD (m, ft) | 1888 | | |

| | | | |
|-----------------|----------------------------------|-------------------|---------------------|
| Treatment Info: | Tonnes Used: | Tonnes Not Used: | 0.00 |
| Preflush: | 10m3 MAG Mark & 10m3 Fresh Water | Slurry Temp: | 78 |
| | | Water Temp: | 63 |
| | | Bulk Temp: | 68 |
| Displace: | 142.8m3 Fresh Water | Slurry Returns: | 23 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 |
|-------|--------------|----------------------|---------------------|-----------------------|-------------|---|
| 20:00 | 0.00 | 0.00 | | 0.00 | | Arrive on Location - Met with company man to discuss job and safety. On location set at 20:00 |
| 22:00 | 0.00 | 0.00 | | 0.00 | | Safety Meeting - Held meeting with company man, rig hands and crew |
| 22:20 | 71.00 | 0.00 | 5 | 0.00 | 2 | Fill Lines - Load pump and lines with MAG MARK |
| 22:24 | 2080.00 | 0.00 | | 0.00 | | Start Pressure Test - Test pump and lines with fresh water |
| 22:27 | 121.00 | 0.00 | 15 | 0.00 | 3 | Pump Preflush - Pump 5bbls of MAG Mark 10bbls of fresh water |
| 22:32 | 218.00 | 0.00 | 193 | 0.00 | 5 | Pump Slurry - Pump 847sk/193bbls of MAG S 14.1#-1.28Y-5.89gps |
| 23:15 | 0.00 | 0.00 | | 0.00 | | Stop Pumping |
| 23:20 | 0.00 | 0.00 | | 0.00 | | Drop Plug - Witnessed by company man |
| 23:26 | 850.00 | 0.00 | 100 | 0.00 | 5 | Displace - Pump fresh water, calculated 142.8bbls |

| | | | | | | |
|-------|---------|------|------|------|---|--|
| 23:50 | 730.00 | 0.00 | 20 | 0.00 | 4 | Decrease Rate |
| 23:54 | 960.00 | 0.00 | 22.8 | 0.00 | 2 | Decrease Rate |
| 00:05 | 1452.00 | 0.00 | | 0.00 | | Bump Plug - Land plug, 142.8bbls actual displacement got 23bbls of cement to surface |
| 00:10 | 1433.00 | 0.00 | | 0.00 | | Check Floats - Float held, got 1bbl back |
| 00:15 | 0.00 | 0.00 | | 0.00 | | Wash Up Truck |
| 00:30 | 0.00 | 0.00 | | 0.00 | | Rig Out |
| 01:00 | 0.00 | 0.00 | | 0.00 | | Leave Location |