



**Occidental Petroleum Corporation**

**BERRY FARMS 8-3HZ**

**API # 512351861**

**Surface Casing**

**Date: November 16, 2022**





## 2. Cement Blend Data

This is the blend data of the Cement ordered for the job.

Blend Description	Cement Properties
Base Cement Blend : MAG S 14.1	
Mix Water (gal/sk)	5.89
Yield (ft <sup>3</sup> /sk)	1.28
Lab Results	
Density (ppg)	14.1
Working Time (hr:min)	2:13
Thickening Time (hr:min)	3:05
Compressive Strength (psi/12h)	698
Compressive Strength (psi/24h)	1070
Mix water Temperature (°F)	61
Slurry Temperature (°F)	88



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### 3. Job Sequence

MS Magnum Cementing Services		US Treatment Report				
Customer: OCCIDENTAL PETROLEUM CORP.		Job #: JOB00140860				
Rep: David Cornett		Rig: Ikon 12		Job Date: Nov 16 @ 00:00		
Supervisor: JAMES RAGLE		Well: BERRY FARMS 8-3HZ		Time Requested: Nov 16 @ 00:00		
Job Type: US Primary		UWI: BERRY FARMS 8-3HZ		Time Arrived: Nov 16 @ 16:00		
Casing-Surface		Surface: BERRY FARMS 8-3HZ		Time Released: Nov 16 @ 21:30		
866 sk MAG PR-S 14.1 + 0.50% MCA-1 + 0.50% MCA-2 + 0.20% MCDP-P						
Yield: 1.31 ft <sup>3</sup> /sk = 202.05bbls Mix Water: 6.06 gal/sk = 5247.96gal						
BHCT (F)	88	BHST (F)	104	Surface Size (in)	9.625	
Surface Grade	J-55	Surface Weight (lb/ft)	36	Collapse Csg Pressure (psi)	1890	
Float Depth (ft)	1835	Funnel Vis (sec/qt)	TBD	Max Csg Pressure (psi)	4096	
Max Pressure (psi)	1300	Mud Density (lb/gal)	TBD	Mud Type	WBM	
Plug Size (in)	9.625	Plug Type	Rig	TMD (ft)	1868	
TVD (ft)	1857		Supplie d			
Treatment Info: Sacks Used: 866 Sacks Not Used: 0						
Preflush: 10bbls MAG Mark & 10bbls Fresh Water				Circulation Time: 1		
Displace: 141.8bbls Fresh Water				Slurry Temp: 88 Bulk Sample: Yes		
				Water Temp: 61 Water Sample: Yes		
				Bulk Temp: 68 Slurry Sample: Yes		
				Air Temp: 42 Air Pressure: 29.5		
Slurry Returns: 29 Plug Bumped: Yes Pump Out Lines: No Float Held: Yes						
Cement Class: Type I Humidity: 32 Precipitation: 0						
Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/mi n	Treatment Detail
15:00	0.00					Arrive on Location - GOT NUMERS FROM COMPANY MAN. REQUESTED TIME 4:00 PM, RIG RUNNING CASING TEST WATER PH-7/ HARDNESS-250/ CHLORIDE-100
18:42	0.00					Safety Meeting - HOLD MEETING WITH RIG HANDS AND CREW
19:08	150.00			5	3	Fill Lines - FILL PUMPS AND LINES WITH MAG MARK/ DROP BOTTOM PLUG
19:13	2,000.00			0.5		Start Pressure Test - TEST PUMPS AND LINES
19:15	150.00			15	3	Pump Preflush - PUMP 10BBLS MAG MARK 10BBLS FRESH
19:19	250.00			189	5	Pump Slurry - PUMP 797SKS/ 189BBLs/ 1.31Y/ 6.06WR/ 88LBS/SK
20:00	0.00					Stop Pumping
20:02	0.00					Drop Plug - DROP PLUG WITNESSED BY COMPANY MAN
20:05	450.00			120	5	Displace - PUMP FRESH WATER CALCULATED 141 BBLs

20:32	610.00			21	3	Decrease Rate
20:37	1,300.00					Bump Plug - LAND PLUG 141 BBLs DISPLACEMENT 29 BBLs CEMENT TO SURFACE
20:42	0.00					Check Floats - FLOATS HELD 1 BBLs BACK TO PUMP
21:00	0.00					Wash Up Truck
21:30	0.00					Leave Location



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### 4. Job Graph

