



**Occidental Petroleum Corporation**

**BERRY FARMS 8-6HZ**

**API # 512351857**

**Surface Casing**

**Date: November 21, 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)	62
Slurry Temperature (°F)	74



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### 3. Job Sequence

MS Magnum Cementing Services		US Treatment Report				
<b>Customer:</b> OCCIDENTAL PETROLEUM CORP.		<b>Job #:</b> JOB00140864				
<b>Rep:</b> David Cornett		<b>Job Date:</b> Nov 21 @ 08:00				
<b>Supervisor:</b> SUPERVISOR TBD		<b>Time Requested:</b> Nov 20 @ 00:00				
<b>Job Type:</b> US Primary		<b>Time Arrived:</b> Nov 19 @ 22:00				
<b>Casing-Surface</b>		<b>Time Released:</b> Nov 20 @ 03:00				
<b>Well:</b> BERRY FARMS 8-6HZ		<b>Surface:</b> BERRY FARMS 8-6HZ				
<b>UWI:</b> BERRY FARMS 8-6HZ						
832 sk MAG PR-S 14.1 + 0.50% MCA-1 + 0.50% MCA-2 + 0.20% MCDF-P						
Yield: 1.31 ft <sup>3</sup> /sk = 194.11bbls Mix Water: 6.06 gal/sk = 5041.92gal						
BHCT (F)	88	BHST (F)	104	Surface Size (in)	9.625	
Surface Grade	J-55	Surface Weight (lb/ft)	36	Float Depth (ft)	1847	
Funnel Vis (sec/qt)	TBD	Max Pressure (psi)	1300	Mud Density (lb/gal)	TBD	
Mud Type	WBM	Plug Size (in)	9.625	Plug Type	Rig Supplie d	
TMD (ft)	1896	TVD (ft)	1865			
Treatment Info: Sacks Used: 832 Sacks Not Used: 0						
Preflush: 10bbls MAG Mark & 10bbls Fresh Water						
Displace: 143bbls Fresh Water						
Circulation Time: 1						
Slurry Temp: 74 Bulk Sample: Yes						
Water Temp: 62 Water Sample: Yes						
Bulk Temp: 62 Slurry Sample: Yes						
Air Temp: 21 Air Pressure 29.5						
Slurry Returns: 23 Plug Bumped: Yes Pump Out Lines: No Float Held: Yes						
Cement Class: Type III Humidity: 65 Precipitation:						
Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/mi n	Treatment Detail
21:30	0.00					Arrive on Location - GOT NUMBERS FROM COMPANY MAN. REQUESTED TIME 10:00 PM, RIG RUNNING CASING TEST WATER PH-7/ HARDNESS-250/ CHLORIDE-100
00:13	0.00					Safety Meeting - HOLD MEETING WITH RIG HANDS AND CREW
00:47	160.00			5	3	Fill Lines - FILL PUMPS AND LINES WITH MAG MARK/ DROP BOTTOM PLUG
00:50	2,000.00			0.5		Start Pressure Test - TEST PUMPS AND LINES
00:52	120.00			15	3.5	Pump Preflush - PUMP 5BBLs MAG MARK 10BBLs FRESH
00:59	350.00			194	5	Pump Slurry - PUMP 832SKS/ 194 BBLs/ 1.31Y/ 6.06WR/ 88LBS/SK
01:44	0.00					Stop Pumping
01:46	0.00					Drop Plug - DROP PLUG WITNESSED BY COMPANY MAN
01:49	350.00			120	5	Displace - PUMP FRESH WATER CALCULATED 141 BBLs
02:20	600.00			23	3	Decrease Rate

02:28	1,300.00					Bump Plug - LAND PLUG 143 BBLs DISPLACEMENT 23 BBLs CEMENT TO SURFACE
02:33	0.00					Check Floats - FLOATS HELD 1 BBLs BACK TO PUMP
02:45	0.00					Wash Up Truck
03:00	0.00					Leave Location



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### 4. Job Graph

