

## US Treatment Report



**Customer:** OCCIDENTAL PETROLEUM CORP.  
**Rep:** Nathaniel Windholz  
**Supervisor:** WESLEY BELL  
**Job Type:** US Remedial Retainer-Squeeze  
**Rig:** Brigade 11  
**Well:** BERIG 17-35  
**UWI:** BERIG 17-35  
**Surface:** 05-123-22583

**Job #:** JOB00122365  
**Job Date:** 3-22-2022  
**Time Requested:** 13:00  
**Time Arrived:** 12:40  
**Time Released:** 16:00

215 sk MAG G 15.8 + 0.40% MCGC-1 + 0.50% MCA-1 + 4.00% MCA-4 + 0.10% MCDP-P

Yield: 1.21 ft<sup>3</sup>/sk = 46.33bbls Mix Water: 4.97 gal/sk = 1068.55gal

BHCT (F)	115	BHST (F)	115	Production Casing Size (in)	4.5
Production Casing Grade	J-55	Production Casing Weight (lb/ft)	11.6	Tubing Size (in)	2.375
Tubing Weight (lb/ft)	4.7	Collapse Csg Pressure (psi)	4960	Hole Size (in)	4.5
Max Csg Pressure (psi)	5350	Max Pressure (psi)	1500	Mud Density (lb/gal)	8.34
Mud Type	Water	Perfs Set 1 (ft)	2800	Plug Type	No Plug
TMD (ft)	2800	Tool Depth (ft)	2790	Tool Type	Retainer
TVD (ft)	2800				

Treatment Info: Sacks Used: 215 Sacks Not Used: 0

Preflush: 5bbls Fresh Water & 10bbls Fresh Water

Circulation Time: 0  
 Slurry Temp: 86 Bulk Sample: No  
 Water Temp: 70 Water Sample: Yes  
 Bulk Temp: 44 Slurry Sample: Yes  
 Air Temp: 44 Air Pressure: 30.0  
 Slurry Returns: 0 Plug Bumped: No Pump Out Lines: No Float Held: No  
 Cement Class: OWG Humidity: 37 Precipitation: 0

Displace: 32.6bbls Fresh Water

Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/min	Treatment Detail
12:40	0.00					Arrive on Location - Arrive on location, Requested time was 13:00
13:00	0.00					Spot and rig in pump and bulk unit
14:35	0.00					Safety Meeting - Hold safety meeting with rig crew and pump crew
14:46	350.00			5	3	Fill Lines - fill lines with fresh water
14:50	2,500.00					Start Pressure Test - Pressure test surface lines with fresh water.
14:52	400.00			10	3	Pump Preflush - Pump fresh water ahead to establish circulation.
14:56	500.00			46.4	4	Pump Slurry - Pump 46.4bbls, 215sks, Mag G 15.8, Y: 1.21, WR: 4.97
15:09	250.00			32.6	4	Displace - Displace with fresh water
15:18	0.00					Stop Pumping - Shut down, check for flow back.
15:25	0.00					Wash Up Truck - Wash up pump to rig tank
16:00	0.00					Leave Location



## US Treatment Report

**Customer:** OCCIDENTAL PETROLEUM CORP.

**Job #:** JOB00122437

**Rep:**

**Rig:** Ranger 5015

**Job Date:** Mar 23 @ 00:00

**Supervisor:** WILLIAM (WAYNE)  
SILVESTER

**Well:** BERIG 17-35

**Time Requested:** Mar 23 @ 12:00

**Job Type:** US Remedial

**UWI:** BERIG 17-35

**Time Arrived:** Mar 23 @ 12:00

Retainer-Squeeze

**Surface:** 05-123-22583

**Time Released:** Mar 23 @ 13:30

215 sk MAG G 15.8 + 0.40% MCGC-1 + 1.00% MCA-1 + 4.00% MCA-4 + 0.10% MCDF-P

Yield: 1.21 ft<sup>3</sup>/sk = 46.33bbls

Mix Water: 4.97 gal/sk = 1068.55gal

BHCT (F)	95	BHST (F)	95	Casing Size (in)	4.5
Casing Weight (lb/ft)	11.6	Tubing Size (in)	2.375	Tubing Weight (lb/ft)	4.7
Perfs Set 1 (ft)	1800	Tool Depth (ft)	1790	Tool Type	Retainer

Treatment Info: Sacks Used: 215 Sacks Not Used: 0

Preflush: 10bbls Fresh Water & 5bbls Fresh Water

Circulation Time:

Displace:

Slurry Temp:

Bulk Sample:

Water Temp:

Water Sample:

Bulk Temp:

Slurry Sample:

Air Temp:

Air Pressure

Slurry Returns:

Plug Bumped:

Pump Out Lines:

Float Held:

Cement Class:

Humidity:

Precipitation:

Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/min	Treatment Detail
00:50	89.00		16		3	Displace - = 16 BBLS OF DISPLACEMENT EST TOC = 1100 FT
12:00	0.00					Arrive on Location - ARRIVED ON LOCATION SPOKE WITH COMPANY REP ABOUT DEPTH,VOL,RATE,PSI WATER TEST COMPLETE GOOD TEST
12:20	0.00					Safety Meeting - HELD JSA WITH RIG CREW AND COMPANY REP SPOKE ABOUT STOP WORK AUTHORITY & MUSTER POINTS , JOB VOLUMES,
12:30	50.00		5		3	Pump Preflush - PUMP 5 BBLS OF WATER TO FILL LINES
12:35	3,000.00				1	Start Pressure Test - = 3000 PSI GOOD TEST
12:40	173.00		46.3		3	Pump Slurry - = 215 SKS 1.21 FT <sup>3</sup> /SK 4.97 GPS = 46.3 BBLS @ 15.8 PPG WET SAMPLE WEIGHED & VERIFIED
13:00	0.00					Leave Location
13:00	0.00					Wash Up Truck



## US Treatment Report

<b>Customer:</b> OCCIDENTAL PETROLEUM CORP.		<b>Job #:</b> JOB00122468
<b>Rep:</b>	<b>Rig:</b> Ranger 5015	<b>Job Date:</b> Mar 24 @ 00:00
<b>Supervisor:</b> TRAVIS TOLMAN	<b>Well:</b> BERIG 17-35	<b>Time Requested:</b> Mar 24 @ 13:00
<b>Job Type:</b> US Remedial	<b>UWI:</b> BERIG 17-35	<b>Time Arrived:</b> Mar 24 @ 13:00
Balanced Plug	<b>Surface:</b> 05-123-22583	<b>Time Released:</b> Mar 24 @ 16:30

115 sk    MAG G 15.8 + 0.40% MCGC-1 + 1.50% MCA-1 + 4.00% MCA-4 + 0.10% MCDP-P

Yield:    1.21 ft<sup>3</sup>/sk = 24.78bbls    Mix Water:    4.97 gal/sk = 571.55gal

BHCT (F)	85	BHST (F)	95	Casing Size (in)	8.625
Casing Grade	J-55	Casing Weight (lb/ft)	24	Tubing Size (in)	2.375
Tubing Grade	TBD	Tubing Weight (lb/ft)	4.7	TMD (ft)	744
TVD (ft)	744				

Treatment Info:    Sacks Used: 115    Sacks Not Used: 0

Preflush: 5bbls Fresh Water & 5bbls Fresh Water

Circulation Time:

Displace: 1.2bbls Fresh Water

Slurry Temp:	100	Bulk Sample:	Yes
Water Temp:	71	Water Sample:	Yes
Bulk Temp:	68	Slurry Sample:	Yes
Air Temp:	68	Air Pressure	29.86

Slurry Returns:	Plug Bumped:	Pump Out Lines:	No	Float Held:	
Cement Class:	OWG	Humidity:	15	Precipitation:	0

Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/mi n	Treatment Detail
13:00	0.00					Arrive on Location - Met with company man to discuss job and safety
15:00	0.00					Safety Meeting - Held meeting with company man, rig hands and crew to discuss job and safety
15:11	167.00		5		2	Fill Lines - Load pump and lines with fresh water. Hardness 3/PH 6/ Chloride 0
15:15	2,485.00					Start Pressure Test - Test pump and lines with fresh water
15:27	206.00		24.7		2.2	Pump Slurry - Pump 115sks/24.7bbls of MAG G 15.8- 1,21 Y-4.97gps Est top of cement 356'
15:39	200.00		1.5		2.2	Displace - Displace with fresh water calculated displacement 1.2bbls, actual 1.5bbls
15:40	0.00					Stop Pumping
15:41	0.00					Open Valve to Balance Plug - Plug is balanced
15:45	0.00					Rig Pulls Tubing
16:15	0.00					Wash Up Truck
16:30	0.00					Rig Out



## US Treatment Report

**Customer:** OCCIDENTAL PETROLEUM CORP.

**Job #:** JOB00122549

**Rep:**

**Rig:** Ranger 5015

**Job Date:** 03-25-2022

**Supervisor:** MATTHEW ROSALES

**Well:** BERIG 17-35

**Time Requested:** 930

**Job Type:** US Remedial  
Balanced Plug

**UWI:** BERIG 17-35

**Time Arrived:** 830

**Surface:** 05-123-22583

**Time Released:** 1100

100 sk MAG G 15.8 + 0.40% MCGC-1 + 1.50% MCA-1 + 4.00% MCA-4 + 0.10% MCDP-P

Yield: 1.21 ft<sup>3</sup>/sk = 21.55bbls      Mix Water: 4.97 gal/sk = 497gal

BHCT (F)	85	BHST (F)	95	SURFACE Size (in)	8.625
SURFACE Grade	J-55	SURFACE Weight (lb/ft)	24	TUBING Size (in)	2.375
TUBING Grade	TBD	TUBING Weight (lb/ft)	4.7	Hole Size (in)	12.25
Max Pressure (psi)	400	Mud Density (lb/gal)	8.33	Mud Type	WATER
TMD (ft)	260	Tool Depth (ft)	260	Tool Type	CIBP
TVD (ft)	260				

Treatment Info:      Sacks Used: 100      Sacks Not Used: 0

Preflush: 2BBL H2O

		Circulation Time:	0.5
Slurry Temp:	94	Bulk Sample:	Yes
Water Temp:	70	Water Sample:	Yes
Bulk Temp:	60	Slurry Sample:	Yes
Air Temp:	45	Air Pressure	30.28

Slurry Returns: TO SURF Plug Bumped:	Pump Out Lines: No	Float Held:	
Cement Class: Type III	Humidity: 59	Precipitation:	0

Displace: NA

Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/min	Treatment Detail
08:30	0.00					Arrive on Location - WIRELINE RUNNING RIGGING UP
10:09	100.00			2	2	Attain Circulation to Surface - WATER TEST: PH 8, HARDNESS 120, CHLORIDES 0, TEMP 68F, ALL WITHIN MAGNUM BEST PRACTICES, 2 BBL FRESH WATER TO CIRCULATE WELL
10:11	2,400.00			0.5	.5	Start Pressure Test - CHECK FOR ANY VISIBLE LEAKS
10:12	2,380.00					End Pressure Test
10:15	150.00			17	2	Pump Slurry - CEMENT TO SURFACE 17BBL AWAY, MAG G 15.8: 15.8#/GAL, 100SKS, 1.21CUFT/SK, 4.97GAL/SK, 94#/SK, MIXED TOTAL OF 21.6BBL 4BBL IN TUB FOR TOP OFF
10:24	0.00					Stop Pumping
10:27	0.00					Rig Pulls Tubing - RIG PULLED TO SURFACE CEMENT STILL AT SURFACE NO TOP OUT NEEDED.
10:35	0.00					Wash Up Truck
11:00	0.00					Leave Location