

Post Job Report



Service with Integrity

Customer: Occidental Petroleum Corporation

Job Type: Surface Casing

Job Date: 11/28/2023

Well Name: [Labrisa 35-1HZ](#)

API #: 05-123-52236

Service Station: Cheyenne

Client Representative: Ben Petty

Sales Representative: Steve Moore

Author: Yithanlily Silvester

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1. Well Properties


Well Properties	
Hole Size (in)	13.5
Casing Size (in)	9.625
Grade / Weight (lb/ft)	L80/36
TVD/TMD (ft)	2098/2148
BHCT / BHST (F)	88/107

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)	6.06
Yield (ft ³ /sk)	1.31
Lab Results	
Density (ppg)	14.1
Working Time (hr:min)	3:12
Thickening Time (hr:min)	3:50
Compressive Strength (psi/12h)	691
Compressive Strength (psi/24h)	1283

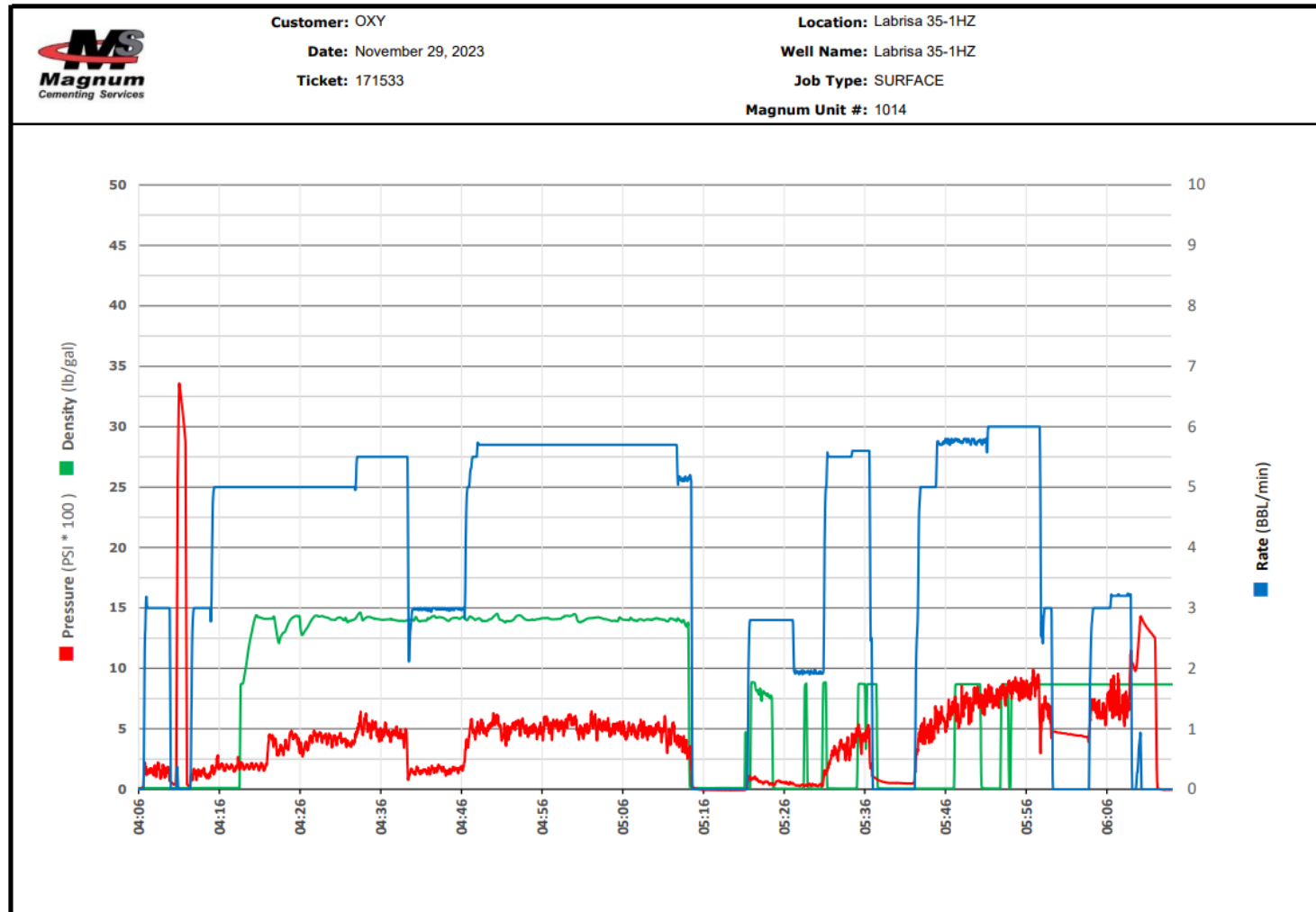
2. Job Sequence / Procedure 1 of 2

US Treatment Report						
						
Customer: OCCIDENTAL PETROLEUM CORP. Rep: David Cornett Supervisor: MICHAEL LOPEZ Job Type: US Primary Casing-Surface				Job #: JOB00171533 Job Date: NOV 28 @ 00:00 Time Requested: Nov 28 @ 00:00 Time Arrived: Nov 29 @ 00:30 Time Released: Nov 29 @ 06:00		
Rig: IKON 112 Well: Labrisa 35-1HZ UWI: Labrisa 35-1HZ Surface: T1N, R65W, SEC2						
1018.2 sk MAG S 14.1 + 0.25% MCA-1 + 0.10% MCDF-P						
Yield: 1.31 ft ³ /sk = 237.56bbls Mix Water: 6.06 gal/sk = 6170.29gal						
BHCT (F)	88	BHST (F)	107	Float Depth (ft)	2095	
Funnel Vis (sec/qt)	TBD	Max Pressure (psi)	1500	Mud Type	WBM	
Plug Size (in)	9.625	Plug Type	Rig	TMD (ft)	2148	
TVD (ft)	2098	Supplied				
Treatment Info: Sacks Used: 1018 Sacks Not Used: 0						
Preflush: 15bbls MAG Mark & 10bbls MAG Mark & 40bbls MAG Sweep						
Circulation Time: 1 Slurry Temp: 75 Bulk Sample: Yes Water Temp: 69 Water Sample: Yes Bulk Temp: 68 Slurry Sample: Yes Air Temp: 27 Air Pressure: 30.2 Slurry Returns: 43 Plug Bumped: Yes Pump Out Lines: No Float Held: Yes Cement Class: Type III Humidity: 65 Precipitation: 1						
Displace: 161.9bbls Fresh Water						
Further Blend Details: Prehydrated: NA						
Additional Details (General Notes):						
Time	Pressure psi	Annular Pressure psi	Volume Per Stage bbls	Total Stage Volume bbls	Rate bbls/min	Treatment Detail
00:30	0.00					Arrive on Location
02:50	0.00					Safety Meeting - SPOKE WITH COMPANY MAN; WATER TESTED: PH-8; HARDNESS-25 PPM; CHLORIDES- 296 PPM
04:06	200.00		15	15	3	Fill Lines - 15 BBLS DYE; BOTTOM PLUG LOADED COMPANY MAN VERIFIED
04:09	3,300.00					Start Pressure Test -
04:13	170.00		40	40	5	Pump Preflush - MAG SWEEP
04:23	238.00		237.5	237.5	5.7	Pump Slurry - MAG S 14.1; 1018 SKS; 1.31 CUFT/SKS; 6.06 GAL/SK; TT: 3:50; TOT: SURFACE: 43 BBLs; WET SAMPLE WEIGHED
05:15	0.00					Stop Pumping
05:19	0.00					Drop Plug - COMPANY MAN VERIFIED
05:20	700.00		142	142	6	Displace - FW; FIRST 20 BBLs - 3 BPM - 70 PSI; 70 BBLs - 6 BPM - 587 PSI; 120 BBLs - 6 BPM - 566 PSI, 142 BBLs - 6 BPM- 688 PSI
05:57	735.00		20	162	3	Decrease Rate - LAST 20 BBLs
06:08	1,500.00					Bump Plug - BUMP: 1500 PSI; CIRC. PRESS: 780 PSI
06:11	0.00					Check Floats - HOLD 2 MINS; 1 BBL BACK; BLED OFF 6:11AM

Job Sequence / Procedure 2 of 2

06:30	0.00					Leave Location
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3. Job Graph



4. Lab Testing Results

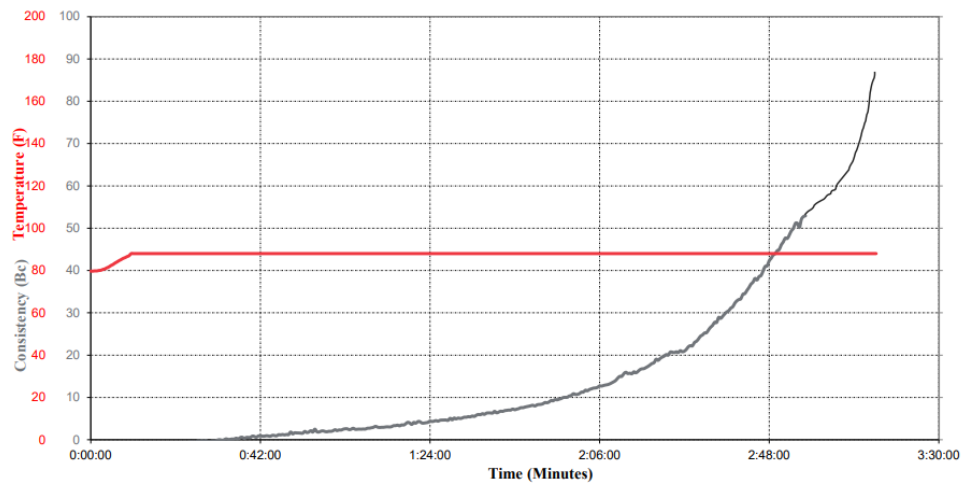
SECTION III: REQUIRED TEST							
TEST REQUESTED:	TT	FL	FW	RH	SGSA	UCA	WATER
	✓	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>	✓	<input type="checkbox"/>

SECTION IV: WELL INFORMATION			
CEMENT TYPE:	Surface Casing		
TMD (ft):	2122.91	BHCT °F:	88
TVD (ft):	2075	BHST °F:	107
MUD Type:			

SECTION V: BLEND INFORMATION					
Blend Name:	MAG S 14.1				
Additives	(%)	Pre-hydrated additive	Specific Condition	Density:	14.1 lbs/gal
MCA-1	0.25	<input type="checkbox"/>		Mix water:	6.06 gal/sk
MCDF-P	0.10	<input type="checkbox"/>		Yield:	1.31 ft³/sk
				Lab Cement:	<input type="checkbox"/>
				Lab Water:	✓
				Field Cement:	✓ Load: 79-1123-CY
			Wet-sieved	Field Water:	<input type="checkbox"/>

SECTION VI: TEST RESULTS							
Load Ticket #	Working Time (40Bc)			Thickening Time (70Bc)			
79-1123-CY	2:46			3:14			
Compressive Strength (psi)	8hr	12hr	24hr	48hr	Time to 500 psi		
				--			
Rheology (D.R.)	300	200	100	6	3	@10sec	@10min

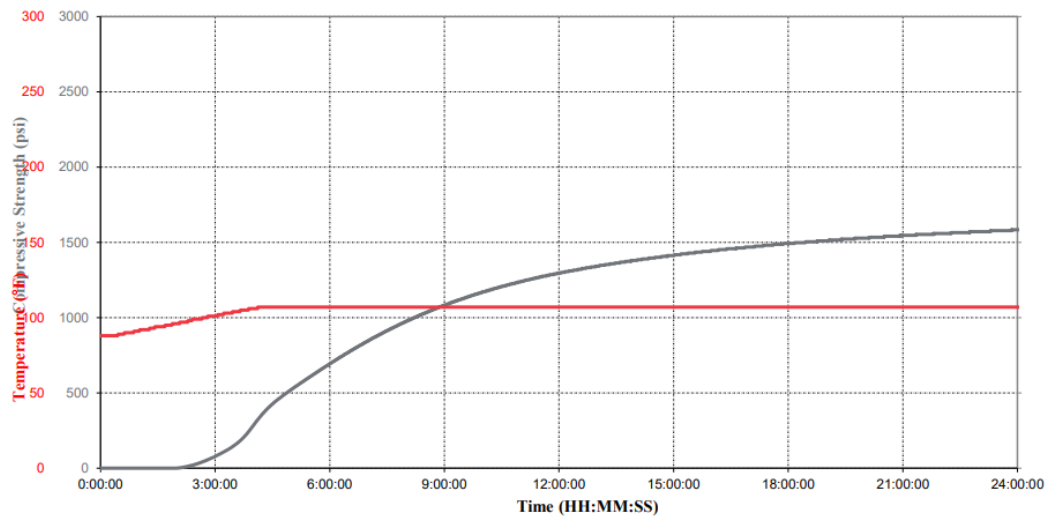
THICKENING TIME TEST RESULTS



TESTED CEMENT INFORMATION

BLEND NAME: MAG S 14.1
 BHCT °F: 88
 WORKING TIME (40Bc): 2:46
 THICKENING TIME (70Bc): 3:14

COMPRESSIVE STRENGTH (UCA) TEST RESULTS



BLEND NAME: MAG S 14.1

BHST °F: 107

STRENGTH @8hr (psi)	STRENGTH @12hr (psi)	STRENGTH @24hr (psi)	STRENGTH @ 48hr (psi)	TIME TO 500 psi (HH:MM)
	1296	1584	--	4:52