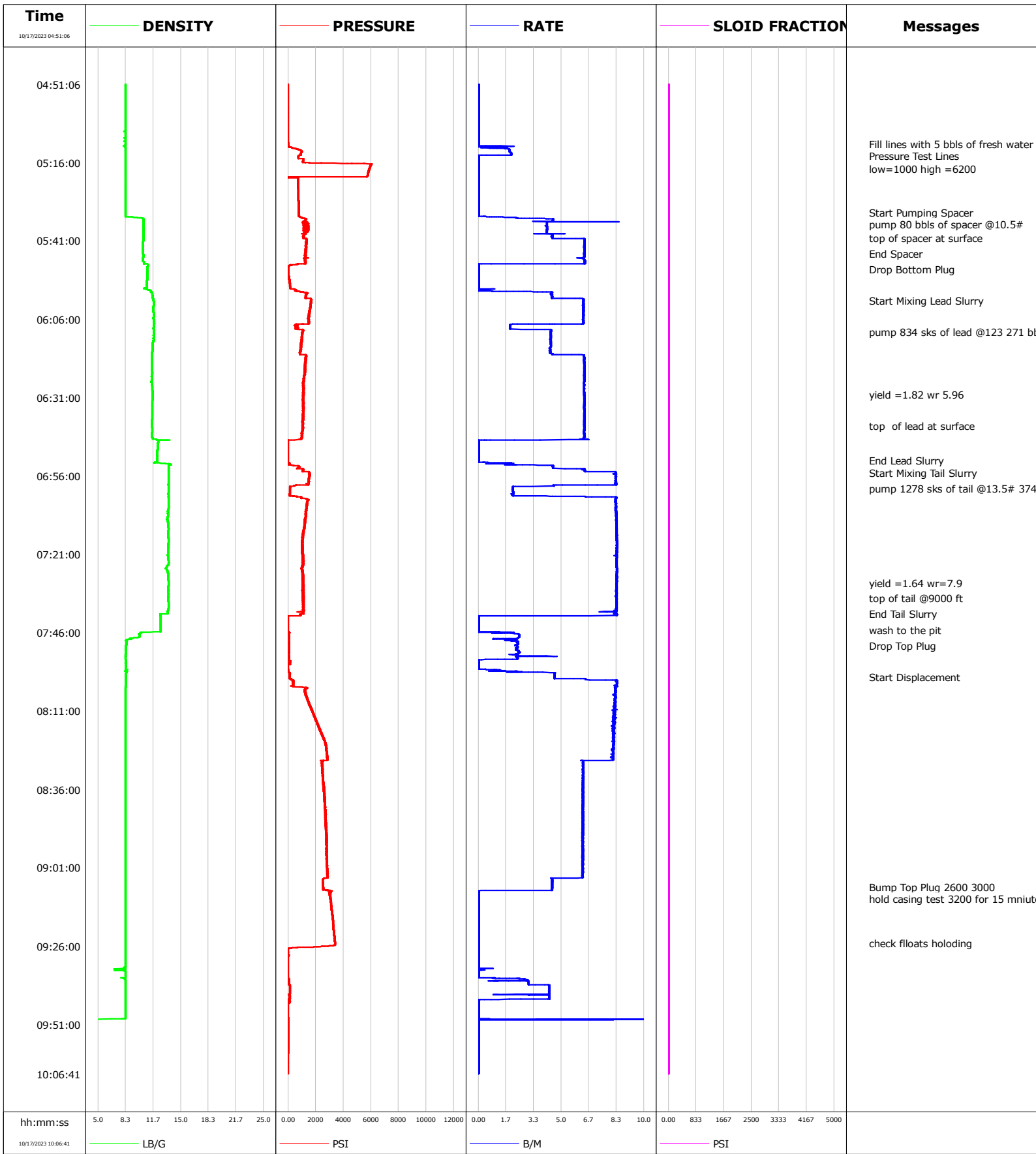


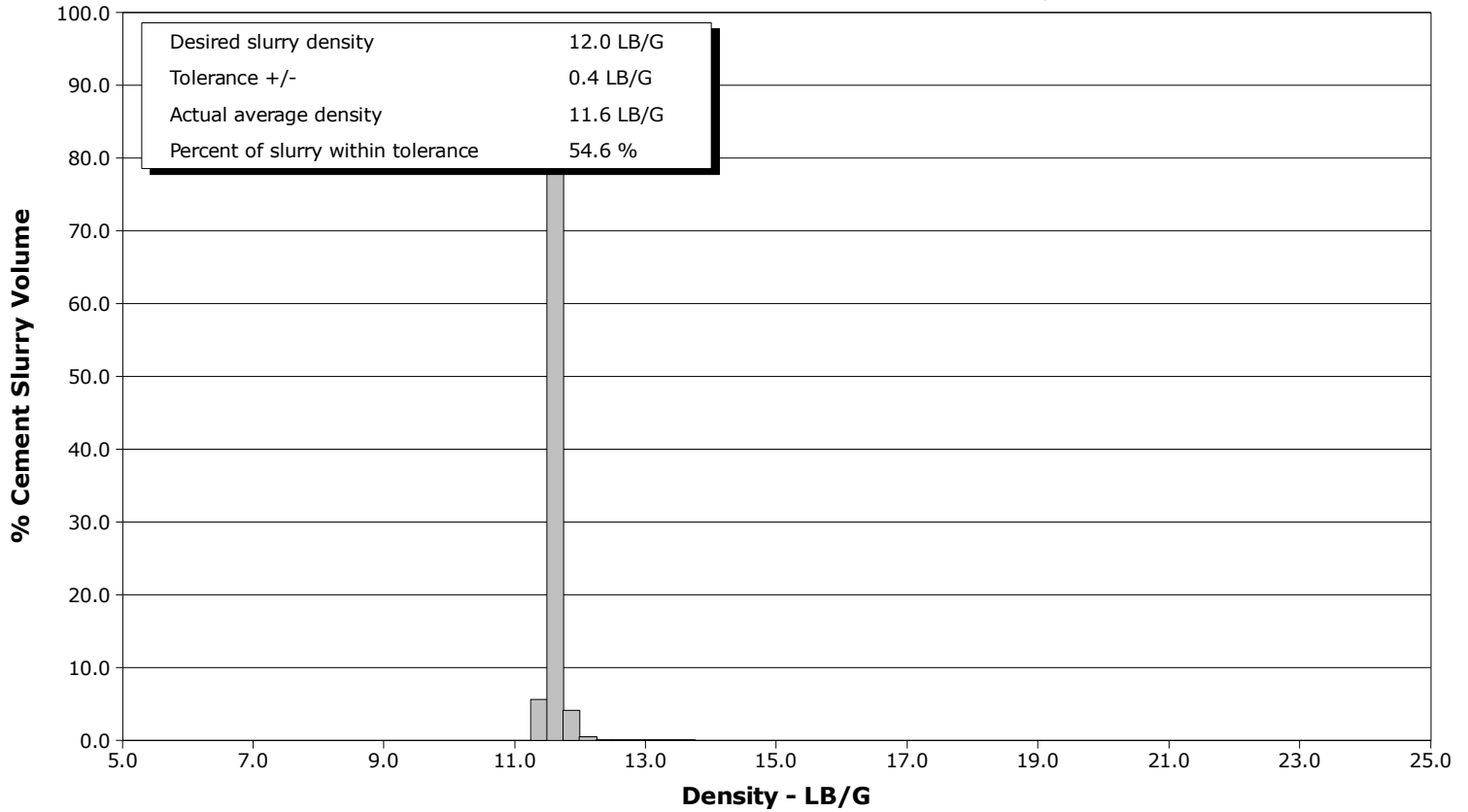
Well	WARDELL	Client	OXY
Field	DJ	SIR No.	3282505
Engineer	ALBERT SNYDER	Job Type	PRODUCTION
Country	United States	Job Date	10-17-2023



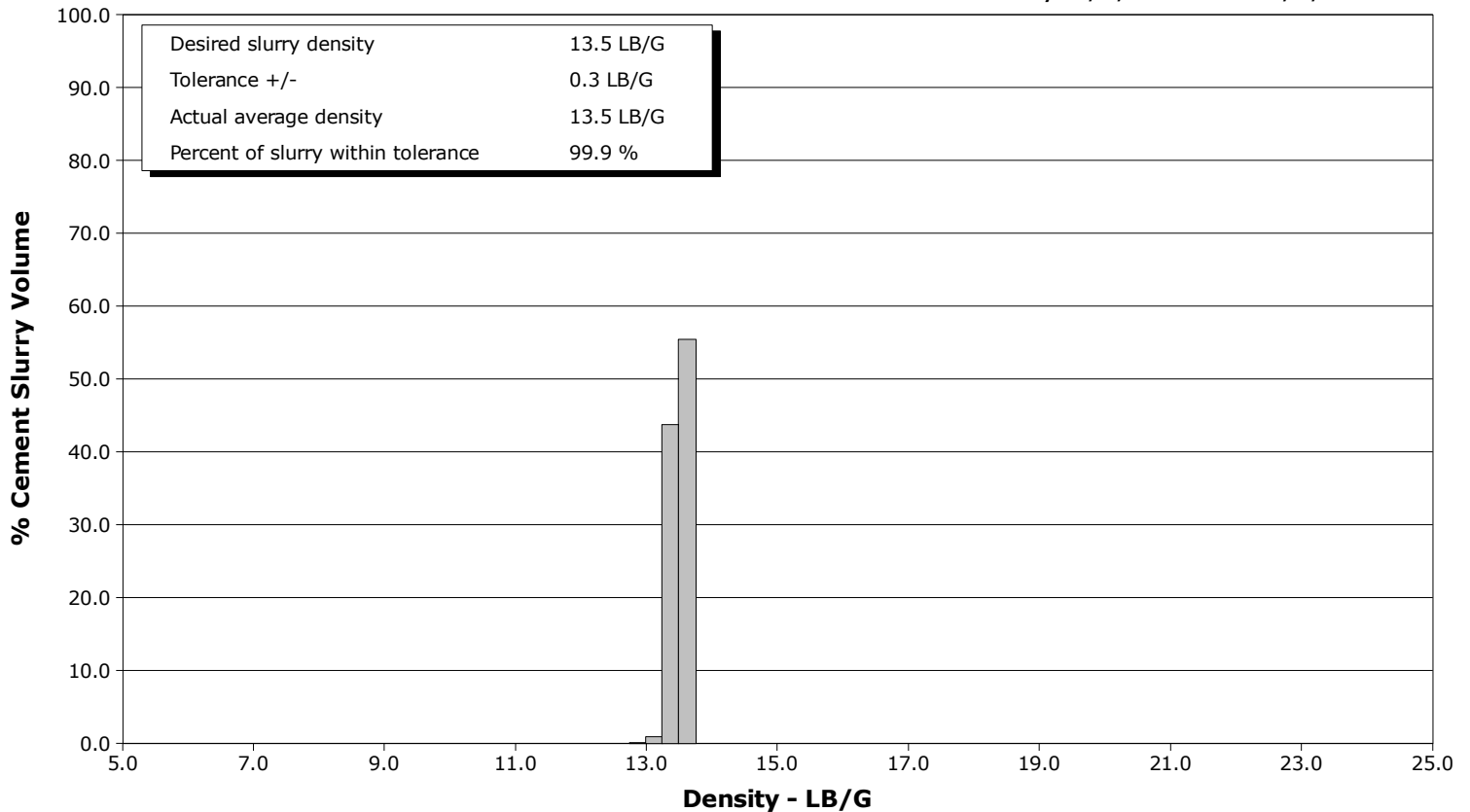
Well WARDELL
Field DJ
Engineer ALBERT SNYDER
Country United States

Client OXY
SIR No. 3282505
Job Type PRODUCTION
Job Date 10-17-2023

Lead Slurry - 10/17/2023 06:00:00 to 10/17/2023 06:51:00



Tail Slurry - 10/17/2023 06:55:00 to 10/17/2023 07:40:00



				Customer			Job Number		
				OXY			3282505		
Well		Location (legal)		Schlumberger Location			Job Start		
WARDELL 7-8HZ		7-8HZ		WCO			Oct/17/2023		
Field		Formation Name/Type		Deviation	Bit Size	Well MD		Well TVD	
DJ				deg	in	20569.0 ft		7283.0 ft	
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient		
WELD		Colorado		psi	230 degF	230 degF	lb/gal		
Well Master		API/UWI							
0067000259		05-123-52136							
Rig Name	Drilled For	Service Via	Casing/Liner						
P 461	Oil & Gas	Land	Depth, ft		Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class	Well Type	1858.0	9.6	36.0	110	8RD		
N/A	New	Development	20554.0	5.5	15.5	110	8RD		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
		lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type								
Cementing	PRODUCTION								
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole					
psi	psi			Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
				ft	ft			ft	
				ft	ft			Diameter	
				ft	ft			in	
Service Instructions		Treat Down	Displacement		Packer Type		Packer Depth		
Fill lines with 5 bbls of fresh water, test lines 1000 low 6000 high, pump 80 bbls of spacer @10.5# drop bottom plug, pump 834 sks of lead @12# 271 bbls pump 1278 sks of tail @13.5# 374 bbls, wash to the pit, drop top plug, displace with biocide water 477 bbls, bumped the plug to 2600/3200 hold test for 15 minutes, check float flowed back 5 bbls, got back all of the spacer and 40 bbls of cement to the surface		Casing	477.0 bbl				ft		
		Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.	
		bbl		478.0 bbl		89.0 bbl		577.0 bbl	
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement		Casing Tools			Squeeze Job		
<input type="checkbox"/>		<input checked="" type="checkbox"/>							
Lift Pressure		Shoe Type		Shoe Depth		Squeeze Type			
14707 psi		Guide		20554.0 ft					
Pipe Rotated		Pipe Reciprocated		Stage Tool Type		Tool Depth			
<input type="checkbox"/>		<input type="checkbox"/>				ft			
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Depth		Tail Pipe Size			
				ft		in			
Cement Head Type		Job Scheduled For		Collar Type		Tail Pipe Depth			
Double		Oct/16/2023 19:00		Float		ft			
Arrived on Location		Leave Location		Collar Depth		Sqz. Total Vol.			
Oct/16/2023 18:00		Oct/17/2023 11:00		20509.0 ft		bbl			
Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	DENSITY LB/G	CPF1_TTL_VOLUME BBL	Message			
10/17/2023	04:51:06	-6	0.0	8.33	0.0				
10/17/2023	04:53:06	-7	0.0	8.33	0.0				
10/17/2023	04:55:06	-7	0.0	8.33	0.0				
10/17/2023	04:57:06	-6	0.0	8.33	0.0				
10/17/2023	04:59:06	-6	0.0	8.33	0.0				
10/17/2023	05:01:06	-7	0.0	8.33	0.0				
10/17/2023	05:03:06	-6	0.0	8.32	0.0				
10/17/2023	05:05:06	-6	0.0	8.32	0.0				
10/17/2023	05:07:06	-6	0.0	8.32	0.0				
10/17/2023	05:09:06	-5	0.0	8.29	0.0				
10/17/2023	05:10:00	0	0.0	8.31	0.0	Fill lines with 5 bbls of fresh water			
10/17/2023	05:11:06	59	0.3	8.32	0.3				
10/17/2023	05:13:00	934	2.0	8.32	3.6	Pressure Test Lines			
10/17/2023	05:13:06	935	2.0	8.32	3.7				
10/17/2023	05:15:06	1090	0.0	8.32	5.0				
10/17/2023	05:17:06	5970	0.0	8.32	5.0				
10/17/2023	05:18:00	5890	0.0	8.32	5.0	low=1000 high =6200			
10/17/2023	05:19:06	5820	0.0	8.32	5.0				
10/17/2023	05:21:06	704	0.0	8.32	5.0				
10/17/2023	05:23:06	707	0.0	8.32	5.0				
10/17/2023	05:25:06	726	0.0	8.32	5.0				

Well		Field		Job Start		Customer		Job Number	
WARDELL 7-8HZ		DJ		Oct/17/2023		OXY		3282505	
Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	DENSITY LB/G	CPF1_TTL_VOLUME BBL	Message			
10/17/2023	05:29:06	760	0.0	8.32	5.0				
10/17/2023	05:31:06	772	0.0	8.31	5.0				
10/17/2023	05:32:00	776	0.0	8.32	5.0	Start Pumping Spacer			
10/17/2023	05:33:06	781	0.0	8.31	5.0				
10/17/2023	05:35:00	1160	4.3	10.48	11.2	pump 80 bbls of spacer @10.5#			
10/17/2023	05:35:06	1463	4.2	10.48	11.6				
10/17/2023	05:37:06	1299	4.2	10.51	19.9				
10/17/2023	05:39:06	1122	4.5	10.49	28.3				
10/17/2023	05:40:00	1137	4.5	10.47	32.3	top of spacer at surface			
10/17/2023	05:41:06	1318	6.4	10.45	38.8				
10/17/2023	05:43:06	1323	6.4	10.44	51.7				
10/17/2023	05:45:00	1221	6.4	10.44	63.9	End Spacer			
10/17/2023	05:45:06	1310	6.4	10.44	64.5				
10/17/2023	05:47:06	1243	6.4	10.45	77.3				
10/17/2023	05:49:06	33	0.0	10.99	85.4				
10/17/2023	05:50:00	4	0.0	10.96	85.4	Drop Bottom Plug			
10/17/2023	05:51:06	2	0.0	10.95	85.4				
10/17/2023	05:53:06	64	0.0	10.93	85.4				
10/17/2023	05:55:06	128	0.0	10.92	85.4				
10/17/2023	05:57:06	607	0.9	11.45	85.8				
10/17/2023	05:59:06	1299	4.4	11.63	94.2				
10/17/2023	06:00:00	1698	6.3	11.70	99.3	Start Mixing Lead Slurry			
10/17/2023	06:01:06	1643	6.4	11.73	106.3				
10/17/2023	06:03:06	1606	6.3	11.70	119.0				
10/17/2023	06:05:06	1471	6.3	11.72	131.7				
10/17/2023	06:07:06	1495	6.3	11.76	144.3				
10/17/2023	06:09:06	566	1.9	11.71	150.4				
10/17/2023	06:10:00	1056	4.4	11.74	154.0	pump 834 sks of lead @123 271 bbls			
10/17/2023	06:11:06	991	4.4	11.70	158.8				
10/17/2023	06:13:06	1003	4.4	11.71	167.5				
10/17/2023	06:15:06	878	4.3	11.62	176.3				
10/17/2023	06:17:06	851	4.5	11.51	185.0				
10/17/2023	06:19:06	1278	6.4	11.52	197.3				
10/17/2023	06:21:06	1228	6.4	11.49	210.1				
10/17/2023	06:23:06	1226	6.4	11.54	222.9				
10/17/2023	06:25:06	1117	6.4	11.51	235.7				
10/17/2023	06:27:06	1107	6.4	11.52	248.5				
10/17/2023	06:29:06	1122	6.4	11.60	261.3				
10/17/2023	06:30:00	1124	6.4	11.60	267.1	yield =1.82 wr 5.96			
10/17/2023	06:31:06	1096	6.4	11.61	274.1				
10/17/2023	06:33:06	1115	6.4	11.57	287.0				
10/17/2023	06:35:06	1104	6.4	11.55	299.8				
10/17/2023	06:37:06	1084	6.4	11.53	312.6				
10/17/2023	06:39:06	1029	6.4	11.50	325.4				
10/17/2023	06:40:00	1066	6.4	11.50	331.2	top of lead at surface			
10/17/2023	06:41:06	1013	6.4	11.56	338.3				
10/17/2023	06:43:06	1045	6.4	11.49	351.1				
10/17/2023	06:45:06	-16	0.0	12.28	360.1				
10/17/2023	06:47:06	-15	0.0	12.20	360.1				
10/17/2023	06:49:06	-14	0.0	12.16	360.1				
10/17/2023	06:51:00	-15	0.0	12.14	360.1	End Lead Slurry			
10/17/2023	06:51:06	-14	0.0	12.14	360.1				
10/17/2023	06:53:06	815	4.5	13.54	364.2				
10/17/2023	06:55:00	1558	8.3	13.53	376.0	Start Mixing Tail Slurry			

Well		Field		Job Start		Customer		Job Number	
WARDELL 7-8HZ		DJ		Oct/17/2023		OXY		3282505	
Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	DENSITY LB/G	CPF1_TTL_VOLUME BBL	Message			
10/17/2023	06:57:06	1494	8.3	13.53	393.4				
10/17/2023	06:59:06	431	4.6	13.53	409.3				
10/17/2023	07:00:00	123	2.1	13.54	411.8	pump 1278 sks of tail @13.5# 374 bbls			
10/17/2023	07:01:06	134	2.1	13.53	414.1				
10/17/2023	07:03:06	940	8.3	13.54	421.8				
10/17/2023	07:05:06	1383	8.3	13.52	438.4				
10/17/2023	07:07:06	1338	8.3	13.47	455.0				
10/17/2023	07:09:06	1261	8.3	13.42	471.7				
10/17/2023	07:13:06	1168	8.4	13.51	505.1				
10/17/2023	07:15:06	1112	8.4	13.50	521.8				
10/17/2023	07:17:06	1034	8.4	13.51	538.6				
10/17/2023	07:19:06	1063	8.4	13.50	555.4				
10/17/2023	07:21:06	1087	8.4	13.43	572.1				
10/17/2023	07:23:06	1058	8.4	13.51	588.8				
10/17/2023	07:25:06	1015	8.4	13.29	605.6				
10/17/2023	07:27:06	1093	8.4	13.45	622.3				
10/17/2023	07:29:06	1121	8.4	13.50	639.1				
10/17/2023	07:30:00	1047	8.4	13.52	646.6	yield =1.64 wr=7.9			
10/17/2023	07:31:06	1101	8.4	13.50	655.8				
10/17/2023	07:33:06	1111	8.4	13.50	672.5				
10/17/2023	07:35:00	1099	8.4	13.45	688.4	top of tail @9000 ft			
10/17/2023	07:35:06	1085	8.4	13.46	689.2				
10/17/2023	07:37:06	1133	8.4	13.51	705.9				
10/17/2023	07:39:06	1136	8.4	13.42	722.7				
10/17/2023	07:40:00	1154	8.3	12.66	730.1	End Tail Slurry			
10/17/2023	07:41:06	-11	0.0	12.60	735.0				
10/17/2023	07:43:06	-9	0.0	12.59	735.0				
10/17/2023	07:45:00	-8	0.0	12.59	735.0	wash to the pit			
10/17/2023	07:45:06	-8	0.0	12.59	735.0				
10/17/2023	07:47:06	57	2.5	10.01	737.9				
10/17/2023	07:49:06	41	2.3	8.42	742.2				
10/17/2023	07:50:00	39	2.2	8.39	744.4	Drop Top Plug			
10/17/2023	07:51:06	39	2.4	8.37	746.9				
10/17/2023	07:53:06	41	2.3	8.33	751.6				
10/17/2023	07:55:06	158	0.0	8.35	755.2				
10/17/2023	07:57:06	-16	0.0	8.36	755.2				
10/17/2023	07:59:06	110	4.6	8.39	758.8				
10/17/2023	08:00:00	97	4.6	8.37	763.0	Start Displacement			
10/17/2023	08:01:06	359	8.4	8.38	768.9				
10/17/2023	08:03:06	369	8.4	8.35	785.7				
10/17/2023	08:05:06	1262	8.3	8.35	802.3				
10/17/2023	08:07:06	1390	8.2	8.34	818.8				
10/17/2023	08:09:06	1595	8.2	8.34	835.4				
10/17/2023	08:11:06	1809	8.2	8.34	851.9				
10/17/2023	08:13:06	1963	8.3	8.34	868.3				
10/17/2023	08:15:06	2122	8.2	8.34	884.7				
10/17/2023	08:17:06	2354	8.2	8.34	901.1				
10/17/2023	08:19:06	2537	8.2	8.34	917.4				
10/17/2023	08:21:06	2689	8.2	8.34	933.8				
10/17/2023	08:23:06	2753	8.2	8.34	950.1				
10/17/2023	08:25:06	2828	8.2	8.34	966.4				
10/17/2023	08:27:06	2472	6.3	8.34	982.0				
10/17/2023	08:29:06	2494	6.3	8.34	994.7				
10/17/2023	08:31:06	2508	6.3	8.34	1007.4				

Well		Field		Job Start		Customer		Job Number	
WARDELL 7-8HZ		DJ		Oct/17/2023		OXY		3282505	
Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	DENSITY LB/G	CPF1_TTL_VOLUME BBL	Message			
10/17/2023	08:35:06	2562	6.3	8.34	1032.7				
10/17/2023	08:37:06	2654	6.3	8.34	1045.3				
10/17/2023	08:39:06	2649	6.3	8.34	1058.0				
10/17/2023	08:41:06	2654	6.3	8.34	1070.6				
10/17/2023	08:43:06	2727	6.3	8.34	1083.3				
10/17/2023	08:45:06	2705	6.3	8.34	1095.9				
10/17/2023	08:47:06	2745	6.3	8.34	1108.6				
10/17/2023	08:49:06	2778	6.3	8.34	1121.2				
10/17/2023	08:51:06	2791	6.3	8.34	1133.8				
10/17/2023	08:53:06	2795	6.3	8.34	1146.3				
10/17/2023	08:55:06	2813	6.3	8.34	1159.1				
10/17/2023	08:57:06	2799	6.3	8.34	1171.7				
10/17/2023	08:59:06	2804	6.3	8.34	1184.3				
10/17/2023	09:01:06	2846	6.3	8.34	1196.9				
10/17/2023	09:03:06	2858	6.3	8.34	1209.6				
10/17/2023	09:05:06	2505	4.5	8.34	1220.5				
10/17/2023	09:07:00	2525	4.5	8.34	1229.0	Bump Top Plug 2600 3000			
10/17/2023	09:07:06	2542	4.5	8.34	1229.4				
10/17/2023	09:09:06	2985	0.0	8.34	1234.4				
10/17/2023	09:10:00	3032	0.0	8.34	1234.4	hold casing test 3200 for 15 mniutes			
10/17/2023	09:11:06	3059	0.0	8.34	1234.4				
10/17/2023	09:13:06	3120	0.0	8.34	1234.4				
10/17/2023	09:15:06	3174	0.0	8.34	1234.4				
10/17/2023	09:17:06	3223	0.0	8.34	1234.4				
10/17/2023	09:19:06	3269	0.0	8.34	1234.4				
10/17/2023	09:21:06	3311	0.0	8.34	1234.4				
10/17/2023	09:23:06	3351	0.0	8.34	1234.4				
10/17/2023	09:25:00	3389	0.0	8.34	1234.4	check floats holoding			
10/17/2023	09:25:06	3390	0.0	8.34	1234.4				
10/17/2023	09:27:06	-9	0.0	8.34	1234.4				
10/17/2023	09:29:06	14	0.0	8.34	1234.4				
10/17/2023	09:31:06	-10	0.0	8.34	1234.4				
10/17/2023	09:33:06	-10	0.0	8.31	1234.4				
10/17/2023	09:35:06	-9	0.0	8.32	1234.5				
10/17/2023	09:37:06	50	3.0	8.33	1236.8				
10/17/2023	09:39:06	124	4.3	8.33	1243.9				
10/17/2023	09:41:06	122	4.3	8.33	1252.5				
10/17/2023	09:43:06	-7	0.0	8.35	1259.7				
10/17/2023	09:45:06	-7	0.0	8.33	1259.7				
10/17/2023	09:47:06	-8	0.0	8.33	1259.7				
10/17/2023	09:49:06	15	0.0	8.13	1259.7				
10/17/2023	09:51:06	15	0.0	0.04	1260.7				
10/17/2023	09:53:06	15	0.0	0.05	1260.7				
10/17/2023	09:55:06	15	0.0	0.04	1260.7				
10/17/2023	09:59:06	17	0.0	0.05	1260.7				
10/17/2023	10:01:06	-11	0.0	0.03	1260.7				
10/17/2023	10:03:06	-10	0.0	0.03	1260.7				

Well WARDELL 7-8HZ	Field DJ	Job Start Oct/17/2023	Customer OXY	Job Number 3282505
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 6.2	N2	Mud	Maximum Rate 12.2	Total Slurry 645.0	Mud 0.0	Spacer 80.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 6069	Final 0	Average 1482	Bump Plug to 3200	Breakdown	Type FreshWater	Volume 477.0 bbl	Density 8.34 lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 645.0 bbl	Displacement 477.0 bbl	Mix Water Temp 60 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 40.0 bbl	To ft	Washed Thru Perfs <input type="checkbox"/>	
Customer or Authorized Representative BRETT/SAM			Schlumberger Supervisor ALBERT SNYDER		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	-	
					-		-	

Client:	OXY
Field:	DJ
Rig:	P 461
Well:	WARDELL
Service Line:	Cementing
Job Type:	PRODUCTION

Service Order #:	
Date:	Oct/17/2023
Operating Time (hh:mm):	00:00
Client Rep:	BRETT/SAM
Schlumberger Engineer:	ALBERT SNYDER
Schlumberger FSM:	

Main Objective:

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

		Score	Yes / No		Result
1	HSE				
1a	Free of lost time injury and compliance with SLB and loc. spec. HSE practice	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1b	Free of environmental spill or non-compliant discharge	5	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
1c	Wellsite left clean	4	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

2	Design / Preparation				
2a	Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2b	Equipment maintenance schedule completed / Green tagged	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2c	All materials and equipment required for job/contingency checked & on location	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
2d	Safety / pre-job meeting conducted with all involved present	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

3	Execution				
3a	Lost time < 30 mins	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3b	Equipment pressure tested successfully	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3c	All key parameters monitored and recorded accurately (Pressure, Rate, Density)	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3d	Plugs / darts released and tested successfully	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3e	Density variation met expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3f	Personnel performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3g	Equipment performed as per expectations	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3h	Job pumped as per design	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3i	Did job start on time	2	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
3j	Free of Operational failures (screen out, Cementing Example, etc.)	3	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

4	Evaluation				
4a	Main job objective achieved with no consequential non-productive time	10	yes <input type="checkbox"/>	no <input checked="" type="checkbox"/>	0
Sub-total					0%

Total 0%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

Client:	Schlumberger:
Client Signature:	Schlumberger Signature: