

CEMENT JOB REPORT



OCH

CUSTOMER LIME ROCK RESOURCES		DATE 16-JUL-12		F.R. # 700610336		SERV. SUPV. JESUS E VALDEZ		
LEASE & WELL NAME MARATHON 25 ST 34 - API 30015401240000		LOCATION S25DT17SR28E		COUNTY-PARISH-BLOCK Eddy New Mexico				
DISTRICT Artesia		DRILLING CONTRACTOR RIG # UDI # 22		TYPE OF JOB Long String				
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	
5-1/2" Top Cem Plug, Nitrile cvr, Phe		Float Collar, Al Flap, 5-1/2 - 8rd						
		Float Shoe 5-1/2 - 8rd						
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES				
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	
H2O					8.34			
MUD CLEAN II					8.34			
H2O					8.34			
35/65/5/C+5%SALT+.45%R3+5#LCM+1/8#CF		529452249		275	12.8	1.9	9.64	
C+.20%R3		529452250		350	14.9	1.32	6.31	
H2O					8.34			
Available Mix Water		600 Bbl.		Available Displ. Fluid		600 Bbl.		
						TOTAL		
						297 115.48		
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD
7.785	0	3403	4.892	5.5	17	CSG	3403	3403
								GRADE
								J-55
								SHOE
								3404
								FLOAT
								3357.18
								STAGE
								0
LAST CASING		PKR-CMT RET-BR'PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP
8.1	8.625	24	CSG	462	462	NO PACKER	0	0
								BTM
								0
								SIZE
								5.5
								THREAD
								8 RND
								TYPE
								WATER BASED MU
								WGT.
								0
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI	MAX CSG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator
78	BBLS	H2O	8.34	1051	0	0	0	0
								Operator
								5320
								Operator
								4256
								MIX WATER
								RIG
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE								
PRESSURE/RATE DETAIL					EXPLANATION			
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>		
	PIPE	ANNULUS				TEST LINES 4985 PSI		
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		
02:00						ARRIVED ON LOCATION/HAZARDOUS ASSESMENT WITH CREW/CHECK H2O GOOD LESS THAN 500 CHLORIDES AND I VERYFY IT WITH THE COMPANY MAN		
02:05						TALK TO THE COMPANY MAN/SPOT TRUCKS ON LOCATION		
02:10						PRE RIG UP MEETING		
02:15						RIG UP		
02:30						FINISH RIG UP		
02:35						RIG WAS STILL LOGGING		
06:30						RIG STARTED TO RUN CASING		
10:30						RIG FINISH RUNNING CASING		
11:00						PRE JOB SAFETY MEETING		
11:05						STAB CEMENT HEAD		
11:20	4985	0	.5	.5	H2O	TEST OUR PUMP AND LINES		
11:22	260	0	7	10	H2O	WATER SPACER AHEAD		
11:24	371	0	7	24	MUD CLEA	MUD CLEAN II SPACER AHEAD		
11:26	390	0	7	10	H2O	WATER SPACER BEHIND		
11:30	318	0	7	93	CMT	LEAD SLURRY AT 12.8 PPG		
11:42	282	0	6.8	82	CMT	TAIL SLURRY AT 14.8 PPG		

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SEP 12 2012

NMOOD ARTESIA

CEMENT JOB REPORT



PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	4985 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
12:00	0	0	0	0	0	SHUT DOWN/WASH UP WITH 20 BBLS/DROP PLUG	
12:05	1820	0	7	68	H2O	DISPLACEMENT WITH FRESH WATER	
12:17	1725	0	3	10	H2O	SLOW RATE TO BUMP PLUG	
12:20	2231	0	0	0	0	BUMP PLUG/CHECK FLOAT/FLOAT HELD	
12:30						30 BBLS CIRCULATED TO THE PIT/88 SACKS	
12:45						PRE RIG DOWN MEETING	
12:55						RIG DOWN	
13:55						FINISH RIG DOWN	
14:00						PRE CONVOY MEETING	
						THANK YOU JESUS VALDEZ AND CREW!!!	

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	SERVICE SUPERVISOR SIGNATURE:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2231	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	30	300	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Jesus Valdez</i>

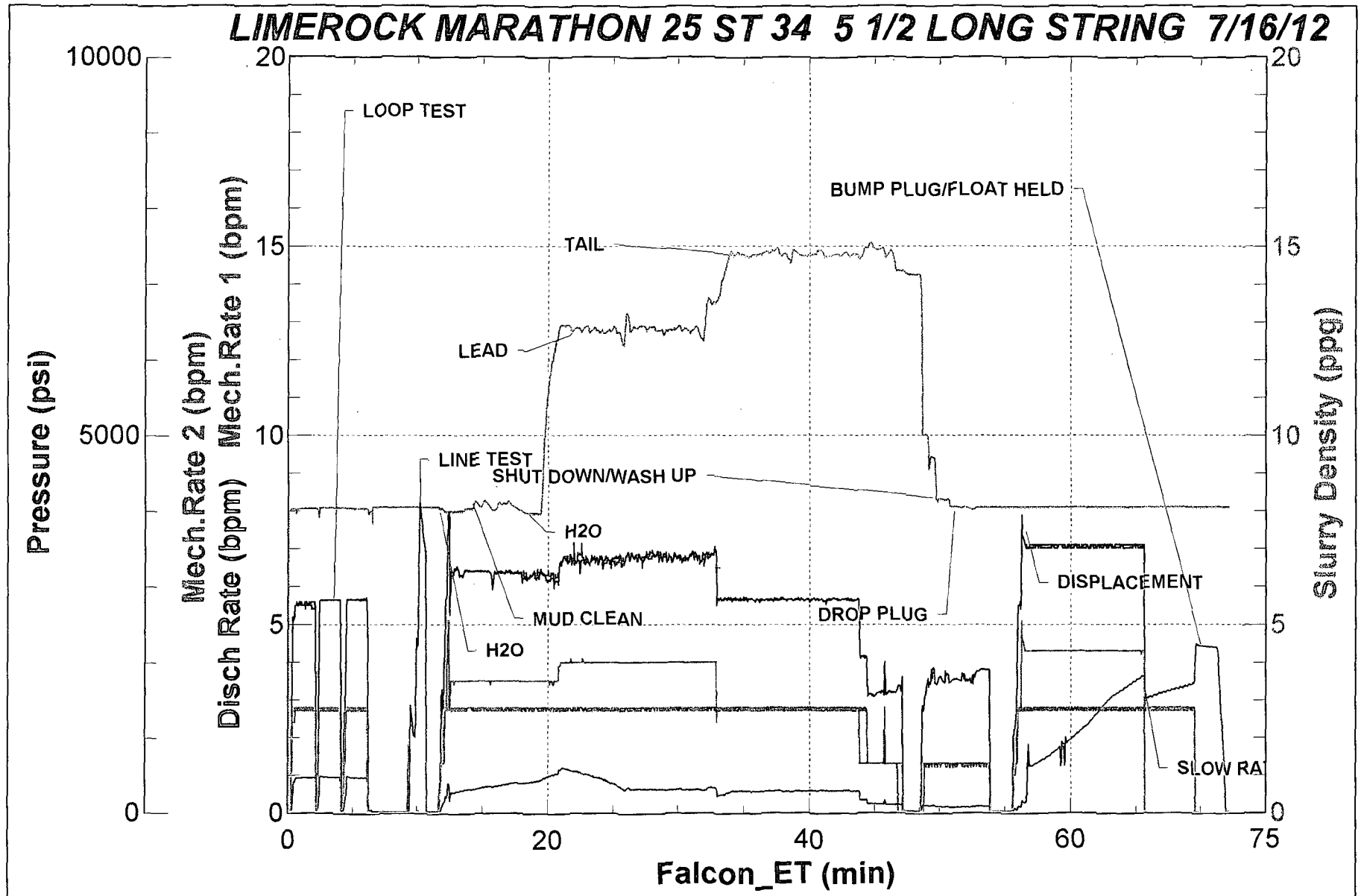


BJ Services JobMaster Program Version 3.50

Job Number: 700610336

Customer: LIMEROCK

Well Name: MARATHON 25 ST 34





PERMIAN REGION LAB Cement Lab Report

Phone: (432) 530-2667 Fax: (432) 530-0279

Test Number: 529452249
Report Number:

Test Date: 7/14/2012

WELL INFORMATION

Operator: LRE Operating
API #:
Well Name: Marathon 25 State #34
Slurry Type: Lead
Blend Type: Lab
Comments:

County: Eddy
State: NM
Requested By: Darrell Jeter
TVD: 3370 MD: 3370
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 11.0
Initial Press (psi): 330
Final Press (psi): 1910
BHST (deg F): 106
BHCT (deg F): 95
Comments:

Mud Density (lb/gal): 9
Mix Water Density (lb/gal): 8.34
Mix Water Type: Tap Water
Surf Temp (deg F): 80
Job Type: Long String

SLURRY AND TEST RESULTS

Vendor: Cemex (LYONS)

Slurry: 35:65:6 Class 'C' + 5.00% Salt (4.021 lb/sk) + 0.45% R-3 + 5.00 lb/sk LCM-1 + 0.125 lb/sk Cello Flake

Density: 12.8 lb/gal
Yield: 1.902 CuFt/sk
Mix Water: 9.642 gal/sk (92.43%)
Total Mix Liquid: 9.642 gal/sk
Fluid Loss: cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 5:56
Pump Time (100 Bc):

Free Water (ml): (Tested at 90 ° Angle)

Compressive Strength

Temp	Time	Strength	Type
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Rheology (PL=Power Law, BP=Bingham Plastic)

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	110	94	88	80	48	38	0.173	0.344	58.7	44.2	PL

Comments: Reported by: Gerald Benton Verified by: Dennis Jordan



PERMIAN REGION LAB Cement Lab Report

Phone: (432) 530-2667 Fax: (432) 530-0279

Test Number: 529452250
Report Number:

Test Date: 7/14/2012

WELL INFORMATION

Operator: LRE Operating
API #:
Well Name: Marathon 25 State #34
Slurry Type: Tail
Blend Type: Lab
Comments:

County: Eddy
State: NM
Requested By: Darrell Jeter
TVD: 3370 MD: 3370
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 11.0
Initial Press (psi): 330
Final Press (psi): 1910
BHST (deg F): 106
BHCT (deg F): 95
Comments:

Mud Density (lb/gal): 9
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Mix Water Type: Tap Water
Surf Temp (deg F): 80
Job Type: Long String

SLURRY AND TEST RESULTS

Vendor: Cemex (LYONS)
Slurry: Class 'C' + 0.20% R-3

Density: 14.8 lb/gal
Yield: 1.327 CuFt/sk
Mix Water: 6.319 gal/sk (56.06%)
Total Mix Liquid: 6.319 gal/sk
Fluid Loss: cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 3:35
Pump Time (100 Bc):

Free Water (ml): (Tested at 90 ° Angle)

Compressive Strength

Temp	Time	Strength	Type
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Rheology (PL=Power Law, BP=Bingham Plastic)

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	162	136	122	106	38	33	0.224	0.355	97.3	44.9	BP

Comments: Reported by: Gerald Benton Verified by: Dennis Jordan