

OCD

CEMENT JOB REPORT



CUSTOMER LIME ROCK RESOURCES II		DATE 08-JUL-12	F.R. # 839110050	SERV. SUPV. MATTHEW R VALENZUELA			
LEASE & WELL NAME MARATHON '26' STATE #33 - API 3001540307000		LOCATION 26A-17S-28E		COUNTY-PARISH-BLOCK Eddy New Mexico			
DISTRICT Artesia		DRILLING CONTRACTOR RIG # UNITED 22		TYPE OF JOB Long String			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS	MD TVD HANGER TYPES MD TVD		
5-1/2" Top Cem Plug, Nitrile cvr, Phe		Float Collar, AI Flap, 5-1/2 - 8rd					
		Guide Shoe, Cement Nose, 5-1/2 in					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES			
				SACKS OF CEMENT	SLURRY WGT PPG		
				SLURRY YLD FT	WATER GPS		
				PUMP TIME HR:MIN	Bbl SLURRY		
					Bbl MIX WATER		
MUD CLEAN II				0	8.34		
35/65/6C+5%SALT+.125#CF+5#LCM-1+.45%R-3		529452117		315	12.6		
C+.25#CF+.5%R-3		529452118		400	14.8		
FRESH WATER				0	8.34		
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL 306 131.42			
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD TVD GRADE
7.875	0	4100	4.892	5.5	17	CSG	4090 J-55
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH
8.1	8.625	24	CSG	464	464	NO PACKER	0
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	OP. MAX	MAX TBG PSI
94	BBLs	FRESH WATER	8.34	1246	0	0	0
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:							
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 5023 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ	
20:30	0	0	0	0	0	YARD TIME 7/8/12	
22:40	0	0	0	0	0	LEAVE DISTRICT	
23:20	0	0	0	0	0	ARRIVE ON LOCATION	
23:30	0	0	0	0	0	TEST H2O- CHLORIDES BELOW 500	
23:40	0	0	0	0	0	SPOT TRUCKS ONTO LOCATION	
00:00	0	0	0	0	0	RIG UP MEETING 7/9/12	
02:08	0	0	0	0	0	PRE JOB MEETING	
02:15	0	0	0	0	0	RIG UP FLOOR	
02:30	5023	0	5	5	H2O	LINE TEST	
02:35	200	0	5.5	12	MUD CLEAN	MUD CLEAN SPACER AHEAD- WELL WAS CIRCULATING	
02:38	300	0	6.5	106	CMT	LEAD SLURRY @ 12.6#- WELL WAS CIRCULATING	
02:57	450	0	6.5	94	CMT	TAIL SLURRY @ 14.8#- WELL WAS CIRCULATING	
03:16	0	0	0	0	0	SHUT DOWN- WASH UP TO PIT-DROP PLUG	
03:24	2354	0	7	84	H2O	DISPLACEMENT-WELL WAS CIRCULATING	
03:37	1857	0	3	10	H2O	SLOW RATE- WELL WAS CIRCULATING	
03:41	2455	0	0	0	0	PLUG DOWN	
03:46	0	0	0	0	0	CHECK FLOAT- FLOAT HELD	
						CIRCULATED- 40 BBLs - 118 SACKS TO THE PIT	
04:00	0	0	0	0	0	RIG DOWN MEETING	

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NMOCD ARTESIA

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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 5023 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
						THANK YOU MATTHEW 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	2455	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	40	306	0	Y <input checked="" type="checkbox"/> N	



PERMIAN REGION LAB Cement Lab Report

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

Test Number: 529452117
Report Number:

Test Date: 7/8/2012

WELL INFORMATION

Operator: Limerock
API #:
Well Name: Marathon 26 ST #33
Slurry Type: Lead
Blend Type: "LAB"
Comments:

County: Eddy
State: NM
Requested By: Richard Anez
TVD: 4070 MD: 4070
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 14.46
Initial Press (psi): 350
Final Press (psi): 2250
BHST (deg F): 115
BHCT (deg F): 101

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

Comments: R-3 was added to the field blend

SLURRY AND TEST RESULTS

Vendor: Cemex (LYONS)

Slurry: 35:65:6 Class 'C' + 0.45% R-3 + 5.00% Salt (4.021 lb/sk) + 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): 5:02
Pump Time (100 Bc):

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

Compressive Strength

Temp	Time	Strength	Type
108	12	500	UCA
108	24	818	UCA

Rheology (PL=Power Law, BP= Bingham Plastic)

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	88	70	60	52	34	24	0.174	0.238	38.5	35.2	PL

Comments: Compressives test #48697 (1/20/2012) TTT Results from test #51937 (6/29/2012) Reported by: Bruce Wheeler
Verified by: Kristal Nelson



PERMIAN REGION LAB Cement Lab Report

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

Test Number: 529452118

Test Date: 7/8/2012

Report Number:

WELL INFORMATION

Operator: Limerock
API #:
Well Name: Marathon 26 ST #33
Slurry Type: Tail
Blend Type: "LAB"
Comments:

County: Eddy
State: NM
Requested By: Richard Anez
TVD: 4070 MD: 4070
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 14.46
Initial Press (psi): 350
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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

Comments: R-3 was added to the field blend

SLURRY AND TEST RESULTS

Vendor: Cemex (LYONS)

Slurry: Class 'C' + 0.50% R-3 + 0.25 lb/sk Cello Flake

Density: 14.8 lb/gal
Yield: 1.33 CuFt/sk

Mix Water: 6.296 gal/sk (55.86%)

Total Mix Liquid: 6.296 gal/sk

Fluid Loss: cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 3:57
Pump Time (100 Bc):

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

Compressive Strength

Temp	Time	Strength	Type
114	5:22	500	UCA
114	12	1454	UCA
114	24	2027	UCA

Rheology (PL=Power Law, BP= Bingham Plastic)

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	228	164	130	96	30	24	0.427	0.117	40.4	132.4	PL

Comments: Compressives From test #48416 (1/4/2012) TTT Results from Test #51938 (6/29/2012)
Wheeler Verified by: Kristal Nelson

Reported by: Bruce



BJ Services JobMaster Program Version 3.50

Job Number: 839110050

Customer: LIME ROCK RESOURCES

Well Name: MARATHON 26 ST 33

