

30-015-38144



PERMIAN REGION LAB Cement Lab Report

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

Test Number: 529442670
Report Number:

Test Date: 1/3/2011

WELL INFORMATION

Operator: Lynx Petroleum
API #:
Well Name: Eddy BD State #3
Slurry Type: 1st Stage
Blend Type: Lab
Comments:

County: Eddy
State: NM
Requested By: Larry Johnson
TVD: 11500 MD: 11500
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 44.50
Initial Press (psi): 690
Final Press (psi): 6630
BHST (deg F): 161
BHCT (deg F): 132
Comments:

Mud Density (lb/gal): 10
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

Slurry: 61:15:11 Class 'C':Poz (Fly Ash):CSE-2 + 0.50% FL-52 + 0.50% FL-25 + 0.50% BA-10A + 0.10% R-3 + 3.00 lb/sk LCM-1

Density: 13.2 lb/gal
Yield: 1.574 CuFt/sk
Mix Water: 7.683 gal/sk (73.66%)
Total Mix Liquid: 7.683 gal/sk
Fluid Loss: 48 cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 4:24
Pump Time (100 Bc):

Free Water (ml): 0 (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	300	194	140	80	8	5	0.816	0.013	10.9	188.0	PL

Comments: Reported by Dean Olson Verified by Bruce Wheeler



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Cement Lab Report

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

Test Number: 529442674
Report Number:

Test Date: 1/3/2011

WELL INFORMATION

Operator: Lynx Petroleum
API #:
Well Name: Eddy BD State #3
Slurry Type: 2nd Stage Lead
Blend Type: Lab
Comments:

County: Eddy
State: NM
Requested By: Larry Johnson
TVD: 7000 **MD:** 7000
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 27.17
Initial Press (psi): 500
Final Press (psi): 4150
BHST (deg F): 129
BHCT (deg F): 117
Comments:

Mud Density (lb/gal): 10
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

Slurry: 35:65:6 Class 'H' + 0.30% FL-S2 + 0.35% SMS + 5.00% Salt (4.697 lb/sk) + 0.125 lb/sk Cello Flake

Density: 12.5 lb/gal
Yield: 2.048 CuFt/sk
Mix Water: 11.26 gal/sk (108%)
Total Mix Liquid: 11.26 gal/sk
Fluid Loss: cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 4:16
Pump Time (100 Bc):

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

Compressive Strength				Rheology (PL=Power Law, BP= Bingham Plastic)											
Temp	Time	Strength	Type	Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best BP
				80	40	27	21	15	8	7	0.291	0.041	8.6	19.2	

Comments: Reported by Dean Olson Verified by Bruce Wheeler



PERMIAN REGION LAB
Cement Lab Report

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

Test Number: 529442675
Report Number:

Test Date: 1/3/2011

WELL INFORMATION

Operator: Lynx Petroleum
API #:
Well Name: Eddy BD State #3
Slurry Type: 2nd Stage Tail
Blend Type: Lab
Comments:

County: Eddy
State: NM
Requested By: Larry Johnson
TVD: 7000 **MD:** 7000
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 27.17
Initial Press (psi): 500
Final Press (psi): 4150
BHST (deg F): 129
BHCT (deg F): 117
Comments:

Mud Density (lb/gal): 10
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
Slurry: Class 'H' + 0.05% R-3

Density: 15.6 lb/gal
Yield: 1.18 CuFt/sk
Mix Water: 5.232 gal/sk (46.42%)
Total Mix Liquid: 5.232 gal/sk
Fluid Loss: cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 3:16
Pump Time (100 Bc):

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

Compressive Strength				Rheology (PL=Power Law, BP= Bingham Plastic)											
Temp	Time	Strength	Type	Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
				80	83	51	49	34	18	13	0.27	0.1	21.8	34.6	PL

Comments: Reported by Dean Olson Verified by Bruce Wheeler