

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. <u>30-015-42878</u>
1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator <u>PARALLEL Petroleum, LLC</u>		6. State Oil & Gas Lease No. <u>39255</u>
3. Address of Operator <u>P.O. Box 10587 Midland, TX 79702</u>		7. Lease Name or Unit Agreement Name <u>High Colling 1921-15 State</u>
4. Well Location Unit Letter <u>m</u> <u>4205</u> feet from the <u>South</u> line and <u>330</u> feet from the <u>West</u> line Section <u>15</u> Township <u>18 S</u> Range <u>21 E</u> NMPM <u>Q-4</u> County <u>EDDY</u>		8. Well Number <u>2Y</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>4256</u>		9. OGRID Number <u>230387</u>
		10. Pool name or Wildcat <u>WC Hope moor, Wolfcamp</u>

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☒
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

SET 858" 24" INTERMEDIATE CASING @ 1504' - PUMPED 50^{BBLS} OF SEALBOND
W/180^{SK} OF CLASS "H" THIX-A-TROPIC. 570^{SK} OF CLASS "C" LEAD & 200^{SK} OF CLASS
"C" TAIL. DISPLACED W/93^{BBLS} OF FW PUMPED PLUG W/600[#] - BUT DID NOT
CIRC CEMENT - RAN TEMP SURVEY & FOUND TOP OF CEMENT @ 656'. WE RAN IN
HOLE WITH 1" PIPE & TAGGED CMT @ 642' WE PUMPED 50^{SK} OF CLASS "C" + 5% CACL2 -
WOL 3 HRS - WENT IN HOLE & TAGGED @ 585' THEN PUMPED 50^{SK} OF "C" + 5% CACL2 -
WOL 3 HRS - RTH & TAGED @ 456' PUMPED 170^{SK} "C" + 5% CACL2 - CIRC 10^{SK} TO SURFACE.

Spud Date:

01/07/2015 @ 2:AM

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Jack Horton

TITLE Well site consultant

DATE 1/20/2015

Type or print name

Jack Horton

E-mail address: JHorton@Pill.com

PHONE: 432-634-7703

For State Use Only

APPROVED BY:

R. R. Dade

TITLE Dist # Supervisor

DATE 1/21/2015

Conditions of Approval (if any):

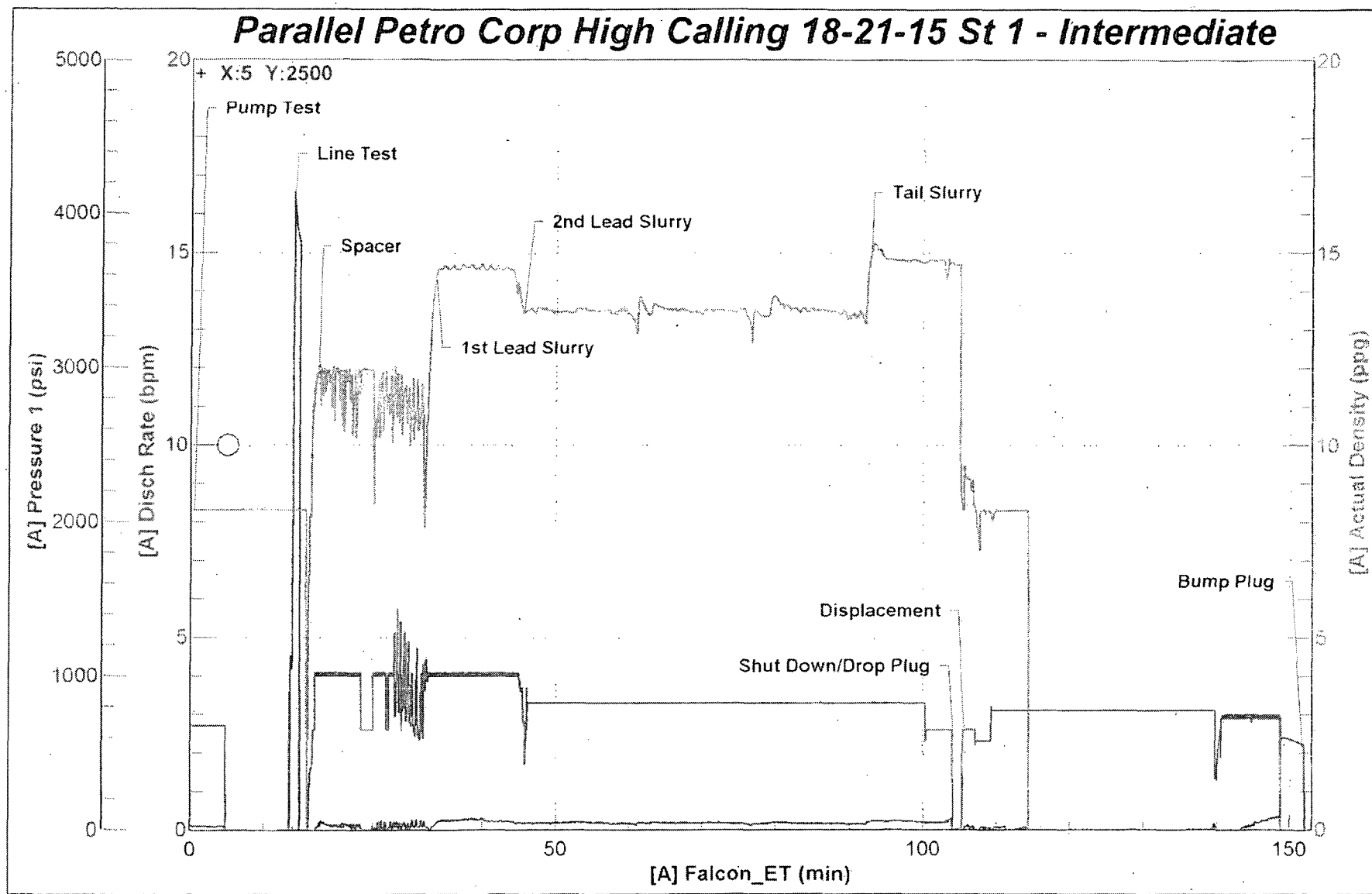


Baker Hughes JobMaster Program Version 4.02

Job Number: 962410201

Customer: Paralll Petro Corp

Well Name: High Calling 18-21-15 St 1



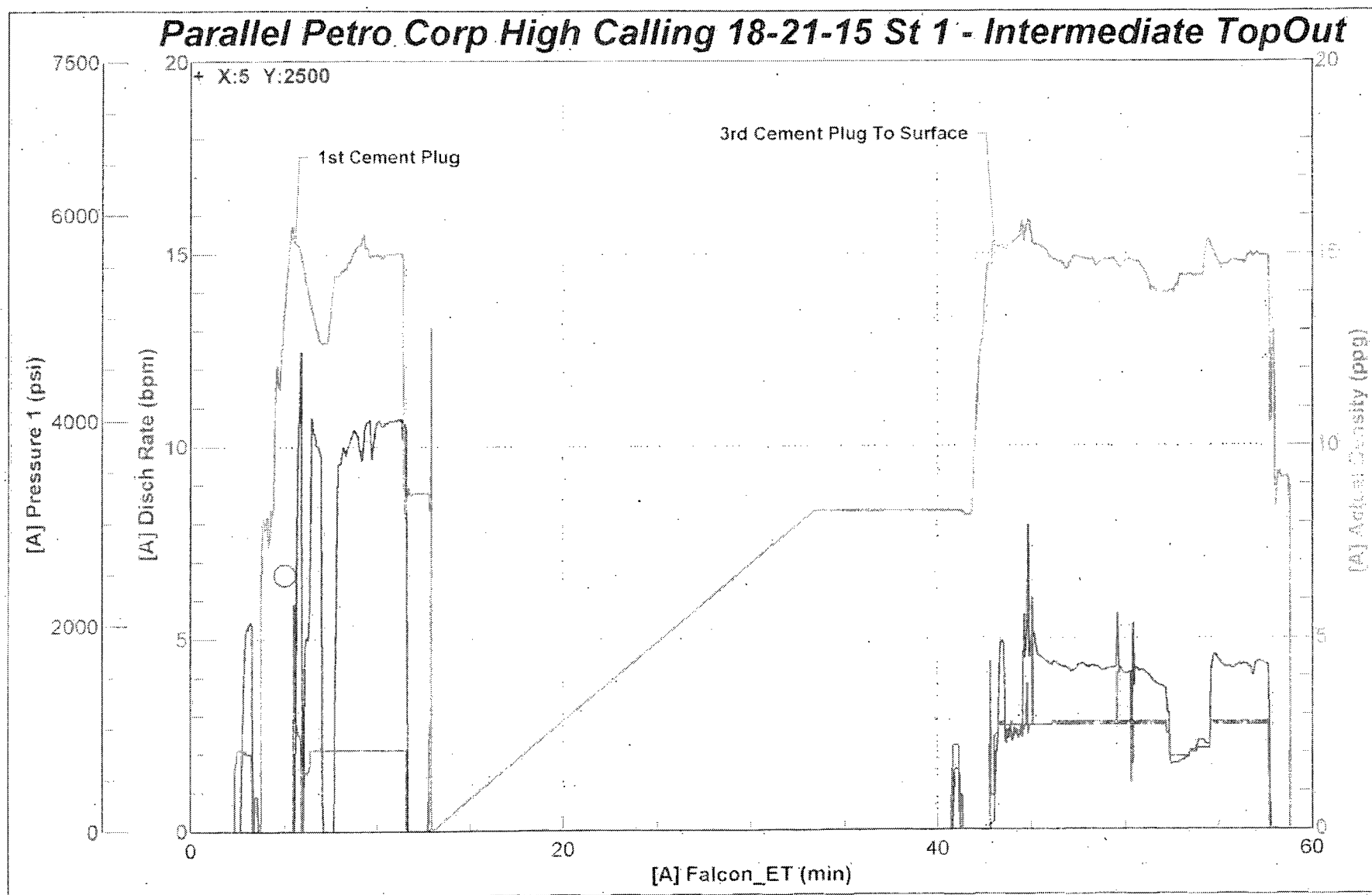


Baker Hughes JobMaster Program Version 4.02

Job Number: 962410201

Customer: Parallel Petro Corp

Well Name: High Calling 18-21-15 St 1



CEMENT JOB REPORT



CUSTOMER PARALLEL PETROLEUM COR		DATE 20-JAN-15	F.R. # 962410201	SERV. SUPV. Ray Rodriguez	
LEASE & WELL NAME HIGH CALLING 1821 15 STATE #1 - API 300154036		LOCATION 15M-18S-21E		COUNTY-PARISH-BLOCK Eddy New Mexico	
DISTRICT Artesia		DRILLING CONTRACTOR RIG # United 41		TYPE OF JOB Intermediate	
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS	MD TVD
8-5/8" Top Cem Plug, Nitri cvr, Phen-		Float Collar, Auto Fill, 8-5/8 - 8rd			
		Float Shoe 8-5/8 - 8rd			
PHYSICAL SLURRY PROPERTIES					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT
Seal Bond Plus/Barite				11	
H+8%A10+.5%CaCl+1%Salt+10#LCM+.25#CF+.005#SF		529475933	180	14.6	1.5
C+4%Gel+1.5%CaCl+5#LCM+.125#CF+.005#SF		529475149	570	13.5	1.75
C+1%CaCl+.125#CF+.005#SF		529474491	200	14.8	1.34
Fresh Water				8.34	
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.	TOTAL		417 174.17
HOLE TBG-CSG-D.P. COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT
12.25	0	1505	8.097	8.625	24
			CSG	1504	1504
			J-55	1464	1424
STAGE 0					
LAST CASING PKR-CMT-RET-BR PL-LINER PERF DEPTH TOP CONN WELL FLUID					
ID	OD	WGT	TYPE	MD	TVD
13	13.38	48	CSG	573	573
			No Packer	0	0
			0	0	0
			8.625	8RD	WATER BASED.MU
WGT. 9					
DISPL VOLUME DISPL FLUID CAL PSI CAL MAX PSI OP MAX MAX TBG PSI MAX CSG PSI MIX WATER					
VOLUME	UOM	TYPE	WGT	BUMP PLUG TO REV	SQ. PSI
93	BBLs	Fresh Water	8.34	448	0
			0	0	0
			0	0	0
			2950	2360	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
	PIPE	ANNULUS			
SAFETY MEETING: BJ CREW X CO. REP. X					
TEST LINES 4100 PSI					
CIRCULATING WELL - RIG X BJ					
22:00	0	0	0	0 0	Yard Time 1/18/2015
04:00	0	0	0	0 0	Arrive On Location/Hazard Assessment 1/19/2015
04:05	0	0	0	0 0	Check Water/Chlorides<500
04:10	0	0	0	0 0	Spot Trucks/Rig Running Casing
04:30	0	0	0	0 0	Pre Rig Up Safety Meeting
08:00	0	0	0	0 0	Casing Crew Done
09:00	0	0	0	0 0	Pre Job Safety Meeting
09:20	4100	0	.5	.5	WATER Line Test
09:23	30	0	4	50	WATER Seal Bond/Barite Spacer
09:40	70	0	4	48	CEMENT 1st Lead Slurry @ 14.6 lbs
09:50	50	0	3	178	CEMENT 2nd Lead Slurry @ 13.5 lbs
10:40	60	0	3	48	CEMENT Tail Slurry @ 14.8 lbs
10:50	0	0	0	0 0	Shut Down/Drop Plug
10:52	0	0	3	93	WATER Displacement
11:35	600	0	0	0 0	Bump Plug/Check Float
	0	0	0	0 0	Did Not Circulate Cement To Surface
11:40	0	0	0	0 0	Shut In Head/Waiting 6 hrs For Temp Survey
19:00	0	0	0	0 0	Tagged @ 650 ft

CEMENT JOB REPORT



PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW ☒ CO. REP. ☒	
	PIPE	ANNULUS				TEST LINES	4100 PSI
21:30	4000	0	3	12	CEMENT	CIRCULATING WELL - RIG ☒ BJ	
22:00	0	0	0	0	0	1st Cement Plug @ 14.8 lbs(50sks+5%CaCl)	
01:00	0	0	0	0	0	Shut Down	
01:30	4000	0	3	12	CEMENT	Tagged @ 585 1/20/2015	
02:00	0	0	0	0	0	2nd Cement Plug @ 14.8 lbs(50sks+5%CaCl)	
04:30	0	0	0	0	0	Shut Down	
05:10	1700	0	3	42	CEMENT	Tagged @ 456	
05:35	0	0	0	0	0	3rd Cement Plug @ 14.8 lbs(175sks+3%CaCl)	
	0	0	0	0	0	Shut Down	
06:00	0	0	0	0	0	Circulated 3 bbl/10 sks Of Cement To Pit	
	0	0	0	0	0	Pre Rig Down Safety Meeting	
	0	0	0	0	0	Thank You Rey 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:
☒ Y ☐ N	600	☒ Y ☐ N	0	417	0	☒ Y ☐ N	



PERMIAN REGION LAB Cement Lab Report

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

Test Number: 529475933
Report Number:

Test Date: 1/18/2015

WELL INFORMATION

Operator: Parallel
API #:
Well Name: High Calling 1821 15 ST #1Y
Slurry Type: Single
Blend Type: "LAB"
Comments:

County: Eddy
State: NM
Requested By: Richard Anez
TVD: 1500 MD: 1500
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 13.00
Initial Press (psi): 250
Final Press (psi): 700
BHST (deg F): 83
BHCT (deg F): 80
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: Surface

SLURRY AND TEST RESULTS

Vendor: Cemex

Slurry: Class 'H' + 8.00% A-10 + 0.50% CaCl₂ + 1.00% Salt (0.508 lb/sk) + 10.00 lb/sk LCM-1 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free

Density: 14.6 lb/gal
Yield: 1.497 CuFt/sk
Mix Water: 6.086 gal/sk (54%)
Total Mix Liquid: 6.086 gal/sk
Fluid Loss: cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 4:32
Pump Time (100 Bc):

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

Compressive Strength

Temp	Time	Strength	Type
83	9:46	500	UCA
83	12	632	UCA
83	24	1082	UCA
83	48	1418	UCA
83	72	1592	UCA

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

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	185	125	107	90	31	29	0.357	0.146	45.1	90.6	PL

Comments: Results from test #75162 (12/11/14) Reported by: Mark Hardwick



PERMIAN REGION LAB Cement Lab Report

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

Test Number: 529475149
Report Number:

Test Date: 12/10/2014

WELL INFORMATION

Operator: Paralell
API #:
Well Name: High Calling 18-21-15 #1
Slurry Type: Lead
Blend Type: Lab
Comments:

County: Eddy
State: NM
Requested By: Richard Anez
TVD: 1500 MD: 1500
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 16.18
Initial Press (psi): 280
Final Press (psi): 1080
BHST (deg F): 91
BHCT (deg F): 85
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: Surface

SLURRY AND TEST RESULTS

Vendor: Buzzi

Slurry: Class 'C' + 4.00% Bentonite + 1.50% CaCl₂ + 5.00 lb/sk LCM-1 + 0.125 lb/sk Cello Flake + 0.005 lb/sk Static Free

Density: 13.5 lb/gal
Yield: 1.748 CuFt/sk
Mix Water: 8.656 gal/sk (76.8%)
Total Mix Liquid: 8.656 gal/sk
Fluid Loss: cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 3:20
Pump Time (100 Bc):

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

Compressive Strength

Temp	Time	Strength	Type
80	9:59	500	UCA
80	12	634	UCA
80	24	1172	UCA
80	48	1677	UCA

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

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	75	64	59	48	27	19	0.22	0.171	32.8	37.0	PL

Comments: Compressives from test #70999 (6/27/14) Reported by: Bruce Wheeler



PERMIAN REGION LAB Cement Lab Report

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

Test Number: 529474491
Report Number:

Test Date: 11/13/2014

WELL INFORMATION

Operator: Paralell
API #:
Well Name: High Calling 18-21-15 #1
Slurry Type: Tail
Blend Type: "LAB"
Comments:

County: Eddy
State: NM
Requested By: Richard Anez
TVD: 1500 MD: 1500
District: Artesia

TEST DATA AND SCHEDULE

Time To Temp (min): 16.18
Initial Press (psi): 280
Final Press (psi): 1080
BHST (deg F): 91
BHCT (deg F): 85
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: Surface

SLURRY AND TEST RESULTS

Vendor: Buzzi

Slurry: Class 'C' + 1.00% CaCl₂ + 0.125 lb/sk Cello Flake + 0.005 lb/sk Static Free

Density: 14.8 lb/gal
Yield: 1.336 CuFt/sk
Mix Water: 6.336 gal/sk (56.21%)
Total Mix Liquid: 6.336 gal/sk
Fluid Loss: cc/30 min

Pump Time (50 Bc):
Pump Time (70 Bc): 3:10
Pump Time (100 Bc):

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

Compressive Strength

Temp	Time	Strength	Type
87	8	500	UCA
87	12	1022	UCA
87	24	1954	UCA
87	48	2582	UCA
87	72	2786	UCA

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

Temp	600	300	200	100	6	3	n'	k'	Yp	Pv	Best
80	84	62	54	44	22	16	0.26	0.127	27.2	39.4	PL

Comments: Results From #72365 (8/27/14)

Reported by: Kristal Nelson

Verified by: Jeremy Conner