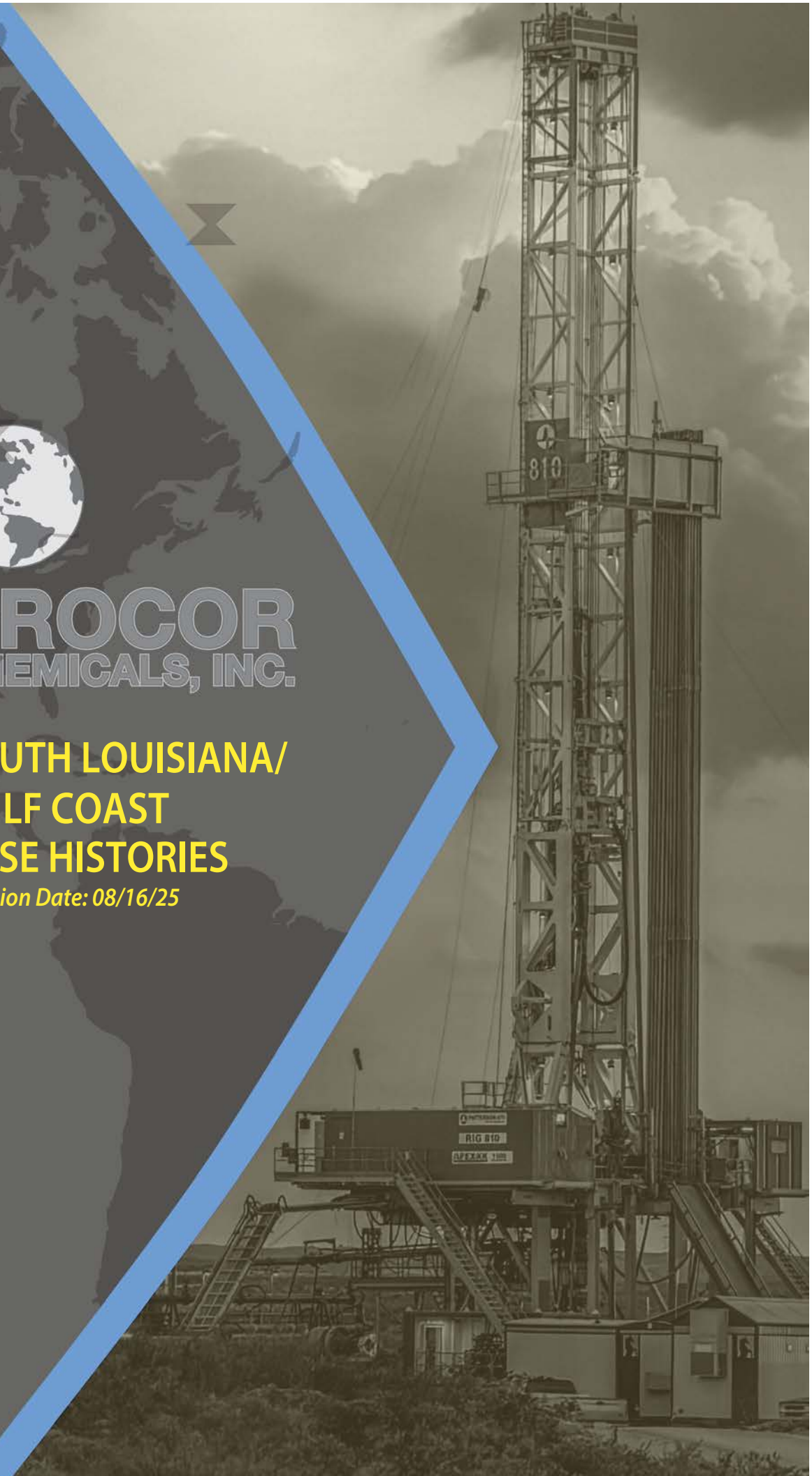
PROCOR
CHEMICALS, INC.

SOUTH LOUISIANA/ GULF COAST CASE HISTORIES

Revision Date: 08/16/25



PROCOR CHEMICALS, INC.

DATE: 08/20/2024	SOUTH LOUISIANA/GULF COAST OPERATORS	

COMPANY NAME

Apollo Energy
Baywater Operating
Byron Energy
ConocoPhillips
EnCana Oil & Gas
Flex Energy
Goodrich Petroleum
Helis Oil & Gas
Highlander Oil & Gas
Lonquist
Mack Energy
McMoRan Oil & Gas
Midstates Petroleum Robertson Energy
Rovig Minerals
Shintech LA / Texas United
Brine Square Mile Energy
Wapiti Energy

Gulf Coast/South Louisiana Case History

- ***St. Martin Parish, LA -*** ***PV+, PX, SB SuperCeal***

Date:	8/16/25
Operator:	Highlander Oil & Gas
Well:	Bayou Long 0875 (A0406 #1)
Field:	
Parish:	St. Landry Parish, LA
Rig:	Nabors X-07

Challenges:
Operator drilling an offset well 31,000' TVD, depleted sands, loss circulation, HT HP, gas influx.

Solutions/ Product Recommendation:
We initially recommended 25ppb PROV+, 20ppbPRO X, 5ppb SB SuperCeal.

Adjusted sweeps to 20bbl Hi-V is sweeps to 15ppb SB Superceal, 1 0ppb PROV+, and 1 0ppb PRO X.

Results:
8/15
Drill 12.25" x 14.74" hole from 23,583' to 23,678'. Experiencing fluid losses. Returns decreased while pumping sweep@ 23,678'. Pull off bottom and reduce pump rate to 150 gpm. Attempting to re-establish circulation. 1 00bbls at 40ppb did some good but didn't allow full circulation.
Spotted 1 00bbls@ 60ppb almost full returns spotting it. Pooh to inside casing now w perfect displacement no losses at present. We let pill sit then started circulating in casing shoe then stage back in. Going much better now. MWD company couldn't believe we pumped 60ppb through tool.
21.l.1
At section TD, circulating MW back up to 17.8ppg with no fluid losses so far. Once around, will POOH for wireline log, then prepare to run casing
Previous 24 hr ops: Continue drilling ahead at 3-8 ft/hr ROP. Pump 20-25bbl sweep after previous sweep exits hole using same recipe (25ppb PROV+, 20ppb PRO X, 5ppb SBSuperCeal). Reach section TD (25000') and begin clean up cycle. No fluid loss observed.
Current ops: Circulating 17.8ppg MW around to control gas. Still no losses at this point.
Future ops: Once 17.8ppg MW is around, pump slug and POOH for wireline.

- *St. Landry Parish, LA*

Date:	5/3/24
Operator:	Lonquist
Well / Area:	TLC No. 64
Field:	
Parish/County:	St. Landry Parish, LA
Rig:	Nabors X-07

Challenges:
Operator drilling 17.5" hole @ 300' an hour, currently @ 800' going to 2180'. Plan is to log twice make sure all is good to set pipe then POOH to run casing. Thinking they're having a little seepage but after observing they were out drilling the shakers and the solids dumping is taking minimal mud.

Solutions/ Product Recommendation:
PROCOR prepared a product recommendation included Preventative Sweeps along with 10ppb mud company LCM, 5ppb SB SuperCeal and 5 PRO X to TD. Once casing was successfully cemented we started PRO GG gumbo treatment and sweeps for the 12.25" section as planned.

Results:
After successfully reaching section TD at 7150', log well. POOH F/ wiper trip, once back on bottom circulating had some minor seepage. Pumped two 50bbl sweeps at 20ppb consisting of 5 ppb PRO X and 5 ppb SB SuperCeal inlcuding 10ppb mud company LCM, all seepage stopped. POOH F/ casing. Casing on bottom and cemented. P/U BHA and trip in hole to 7092' and circulate. Waiting for ME to condition mud due to cement contamination in system. Circulating at report time. Plan ahead is to drill out cement, FIT, then drill to section TD while maintaining 3 ppb SBSC in active system using hourly additions based on ROP. Operator pleased with results. No gumbo or fluid loss concerns at all.

- *Iberville Parish, LA*

Date:	2/29/24
Operator:	Shintech Louisiana/United Brine
Well / Area:	Wilbert Minerals Group, LLC #006
Field:	Bayou Choctaw
Parish/County:	Iberville Parish, LA
Rig:	RFC Drilling 108

Challenges:
Operator drilling ahead @ 1,400' using a 42" hole opener. Needed to strengthen the wellbore and help control fluid loss while drilling the 42" hole size section.

Solutions/ Product Recommendation:
PROCOR recommended treating the active system with 3ppb of SB SuperCeal and mixed preventive sweeps @ 20ppb using 10ppb SB SuperCeal and 10ppb PRO Sweep Aid , pumping sweeps every 200-400' to assist with fluid loss. Also added 5sxs/hr @ 3ppb SB SuperCeal to active system to maintain product concentrations.

Results:
Once at TD, pumped a 60bbl sweep using same mix with hi vis to ensure hole cleaning. POOH after wiper trip for wireline log, log looked good. M/U CRT and ran 30" casing to bottom with no issue, cement job went perfect. Mud was Cadillac, 9.4 filtrate from an 18 when we started treatments.

- Harris County, TX

Date:	2/25/24
Operator:	Baywater Operating
Well / Area:	SL 118426 JP #1
Field:	Wildcat / District 03
Parish/County:	Harris County, TX
Rig:	Parker 55B

Challenges:
Wildcat well needing to drill ahead with 16.9ppg drilling fluid. TIH and weighted up to 13.5ppg to resume drilling drill to 8,248`and experienced total losses below the shoe. Several days on losses with little reserves left to keep fluid in hole. 2X mud company LCM pills failed to hold static head. Lost 85 bbls filled the backside with water 72 bbls.

Solutions/Recommendations:
Operator previously pumped 45 bbls of 45 ppb generic LCM's Fiber/CaCO3/Nut plug. Pumped volume of pill with no returns 140 bbls lost chasing pill. Total losses 225 bbls. Pumped second generic LCM pill and spot out the drill string, pumped 169 bbls to spot 2nd LCM pill, 39 bbls water returns, fluid losses at 130bph.

PROCOR recommended 100bbls of our Extreme Fluid Loss Squeeze Products, 30ppb PRO V+ , 30ppb PRO X, 20ppb PRO HG, trip to bit depth for application, pumped pill and pulled up above pill to let soak..

Results:
After initial 48bbls pumped 780psi needing 1400psi. Had over half pill volume left to finish squeeze. we were on final hold and bumped up the squeeze one more time. Top end was around 980 and bleeds down to 650. We were hoping while holding pressure we would gain integrity to get it up around the desired psi our final pump. We had a good bit of product where it needed to be and away from the wellbore, holding pressure helping the plug set up. Net result was well holding ~400 psi. This enabled them to drill ahead to TD section, at reduced mud weight.

Calcasieu Parish, LA

Date:	2/3/23
Operator:	Wagner Oil Louisiana
Well / Area:	Open A-1 Ranch No. 1
Field:	Manchester, Southwest
Parish/County:	Calcasieu Parish, LA
Rig:	Big E Drilling 5

Challenges:
Operator was unable to drill ahead due to unacceptable FIT test. Goal was to squeeze formation to increase formation integrity and obtain good test.

Solutions/Recommendations:
Recommended pumping 80bbls at 90 ppb. We actually pumped 70 bbls at 62.5 ppb due to mixing before arrival. Mixed PRO V+ at 17.5ppb and PRO X at 45ppb.

Results:
Spotted pill at 2,939' and POOH T/ 2200'. Begin squeeze procedure using cement unit as pump per Company Man decision. Maximum pressure achieved and held for two hour wait period with no fluid loss observed. Max pressure of 509 psi seen with pressure held at 420 psi or above for entire two hour period. Decision made to open well and POOH for clean out and cement assembly, POOH at report time. Pill achieved above desired pressure and held at or above desired pressure for two hours.

Note: Adding gel to a highly weighted LCM pill before LCM makes mixing difficult and is mixed is not recommended.

LaFourche Parish, LA

Date: 10/10/22
Operator: Square Mile Energy
Well / Area: Three Sisters Reality
Field: Southwest Lake Beouf
Parish/County: LaFourche Parish, LA
Rig: Precision 50

Challenges:

Unable to drill ahead due to losses and circulation problems. Goal was to stop losses and return to drilling. Unable to mix at 80ppb due to heavy MW of 17.3ppg with lots of solids in fluid.

Solutions/Recommendations:
Conventional LCM products consisting of ExCal medium and Cedar Fiber without success. PROCOR recommended pumping 80bbls at 80ppb. We were only able to mix 80bbls at 50 ppb due to MW. PRO V+ at 25ppb and PRO X at 25ppb Products were mixed through the mixing hopper into a 80 bbl slugging pit then pumped using standard rig pumps.

Results:
Squeeze pill stopped all fluid losses and rig was able to resume drilling to TD. Mixing in extremely heavy mud was tough, but we figured it out and the job went great!

- Jefferson Davis Parish, LA

Date: 1/26/21
Operator: Robertson Energy
Well / Area: Foo Farms LLC #1 Wowee Prospect
Field: North Bon Air
Parish/County: Jeff Davis Parish, LA
Rig: Energy Rig 14

Challenges:
Operator was unable to regain returns and circulate to continue drilling ahead. Plan was to spot LCM pill to stop fluid losses and regain circulation. Conventional LCM products consisting of ExCal and Fiber Fluid did not mitigate or solve the problem.

Solutions/Recommendations:
Recommended pumping 80 bbls at 80 ppb. Was allowed to pump 50 bbls at 80 ppb instead. PRO V+ at 40 ppb and PRO X at 40 ppb. Products were mixed through the mixing hopper into a 80 bbl slugging pit then pumped using standard rig pumps .

Results:
No problems encountered during this mixing procedure and no issues pumping pill through small hole tools. Never able to regain returns while on location, but they did report regaining returns later. Procedure went as planned, but I've never seen a well mysteriously regain returns as this one did and pumping the full 80 bbls instead of 50 would have solved the issue.

- LaFourche Parish, LA

Date: 11/07/18
Operator: Rovig Minerals
Well / Area: MGM #1
Field: Lake Beouf
Parish: LaFourche Parish, LA
Rig: Energy 14

Challenges:
Operator was drilling surface section with WBM and having slow ROP.

Solutions/Recommendations:
PROCOR recommended its PRO Slide / Synthetic Based Lubricant to help with ROP, torque, and bit balling. Delivered 4 totes PRO Slide to begin treating the active system at 3% and 10% by volume in sweeps when needed to help reduce torque.

Results:
Operator TD'd well and were happy with the performance of PRO Slide in increasing ROP and reducing torque issues.

- LaFourche Parish, LA

Date: 10/30/18
Operator: Rovig Minerals
Well / Area: Libby Blouin #1
Field: Lake Beouf
Parish/County: LaFourche Parish, LA
Rig: Justiss 61

Challenges
Operator contacted PROCOR about preparing a product recommendation in preparation of drilling a depleted zone.

Solutions/ Recommendations
PROCOR recommended pumping Aggressive LCM Preventative Sweeps, 20 bbls @ 20ppb with 15ppb PRO V+ and 5ppb SB SuperCeal prior to drilling the depleted zone of concern and continuing sweeps every connection until TD.

Results
Operator TD'd the section without issue and logged the well and successfully ran 7 5/8" casing. Operator was pleased with the product getting them through the zone of interest with no losses. They will be drilling about 1,000' of 6 ¾" hole after cementing casing. Plan is to continue running our sweeps, cutting concentration back to 10 bbls at 15ppb.

- St. Mary Parish, LA

Date: 9/30/18
Operator: Byron Energy
Well Name: Weiss-Adler Et Al #1
Field: Shell Island
Rig: Parker 77
Mud Wt/Type: 16ppg / Halliburton Baroid Invermul OBM

Challenges:
Operator experienced ballooning formation and severe fluid losses while pumping and where not exactly sure of the loss zone (assumed 12,600'-12,700' via logs).

Solutions/Recommendations:
Recommended spotting 150bbls. PROV+/ SBSC pill and squeezing the open hole. Operator decided to reduce the volume of pill to 1 00bbls and spot at the shoe. Pill #1 was mixed in the reserve pit & spotted at the shoe. The annular was closed and the pill was bullheaded down the open hole pumped using a hesitation squeeze method over a 24 hr period. Sweeps were mixed in the slugging pit and pumped 1 Sbbls every stand drilled until TD. After TD a short trip to shoe was made, the remaining 40bbls of sweep was pumped around while back on bottom. Pill #2 was mixed in the slugging pit and spotted using the pump and pull method at 12,500'-12,700' MD (area of concern noted on logs).

Results:
Operator was successful and stabilizing the well bore even though ideal squeeze pressure was not achieved w/ pill #1, returns and flow rates increased enough to drill ahead and successfully TD the hole section. There were limited to no returns prior. Sweeps enabled us to drill to TD with minor losses. Pill #2 appeared to help with losses while running/surging casing to bottom. On bottom with casing, the rig observed approximately 80% returns while circulating prior to cementing. Cementing was a success and plugs bumped.

- Plaquemines Parish, LA

Date: 12/1/17
Operator: Wapiti Energy
Well Name: SL #21764
Field/Block: Manila Village
Rig: Baywater Timballer
Parish: Plaquemines Parish, LA

Challenges:
Operator anticipated drilling several severely depleted sands with 3200psi - 5500psi differential pressures.

Solutions:
PROCOR performed extensive pre-well testing for best product application results at recommended pressures and potential fracture/porosity sizes. The test confirmed a system treatment of 10ppb (5ppb SBSC, 2ppb ProNiteT an 3ppb ProTightceal Fine) maintained by hourly additions of 5sx SB Superceal, 2sx ProNiteT and 3sx PROTightceal Fine + Additional 35ppb sweeps (25ppb PRO V+, 5ppb SB Superceal and 5ppb PROTightceal Medium when drilling through the depleted zones would give best results and presented to Drilling engineer.

Results:
Problem intervals were drilled according to recommendation with no issues, returns were never lost and the well was TD'd ahead of pre-planned schedule. Both Company Men and Drilling engineers commended the products performance and services for planning.

- St. Martin Parish, LA

Date: 11/15/17
Operator: Mack Energy Company
Well Name: St. Martin Land Co #A-1
Field: Section 28
County/Parish: St. Martin Parish, LA
Rig: Moncia Rig 3

Challenges:
Operator drilling through the "Het Lime Formation" ended up twisting off their mud motor, couldn't retrieve and had to redrill.

Solutions/Product Recommendations:
Drilled to bottom of HET to completely expose the formation using 15ppb sweeps 10ppb HP PROFalt, 5 ppb PRO V and 5 ppb PRO TightCeal Medium, no losses encountered. 15bbl sweeps were pumped every other connection. Once HET was exposed 35bbls @ 60ppb Aggressive LCM pill was spotted (50ppb PRO V+, 5ppb HP PRO Falt and 5ppb PRO TightCeal Medium) to be used in Squeeze form to increase integrity of the "HET". On first attempt top of Squeeze slurry past top of the HET by 5bbls and the bottom pressure fell off to 250psi so It was decided to mix up an additional 35bbls at 60ppb to spot on top of existing slurry in Hole to cover top of HET. 2nd pill achieved desired pressure with no problems. Squeeze results from the 2nd Het squeeze on sidetrack hole….. Of the 2nd 35 bbls (60 ppb – 50V-5F-5S) the fracture closure stress in the Het lime improved from a 10.3 ppg to 11.1 ppg after pumping 16 of the available 35 bbls. The remaining LCM was incorporated into the system once circulation was established at TD. Currently POOH to pick up directional tools….. began drilling weighting up with no losses.

Results:
2nd pill achieved desired pressure with no problems. Squeeze results from the 2nd Het squeeze on sidetrack hole….. Of the 2nd 35 bbls (60 ppb – 50V-5F-5S) the fracture closure stress in the Het lime improved from a 10.3 ppg to 11.1 ppg after pumping 16 of the available 35 bbls. The remaining LCM was incorporated into the system once circulation was established at TD. Currently POOH to pick up directional tools….. began drilling weighting up with no losses.

- Cameron Parish, LA

Date: 10/16/17
Operator: Robertson Energy
Well / Area: JB Watkins #274
Field/Block: Bayou
Rig: Coastal Rig 6
County/Parish: Cameron Parish, LA

Challenges:
Operator drilling at 1,400' lost returns and tried to fight with conventional LCM (carbonate, fiber fluid) with no success. Drilling at 4,950' lost returns again. Assumed top of M Sand. Tried to fight losses w system treatment of 20ppb sweeps at 50ppb of conventional LCM (carbonate An fiber fluid) with no success. Drilled to 5,100' and started having fluid seepage at 5-15bph.

Solutions/Product Recommendations:
In the first application PROCOR recommended mixing up 80bbls @ 45ppb (35ppb PRO V+, 5ppb SB Superceal, 5ppb PROTightceal). After pumping 3 - 20bbl sweeps, losses completely stopped and resumed drilling. 2nd application PROCOR was called back out and recommended building an 80bbl pill at 55ppb (45ppb PROV+, 5ppb SB Superceal, 5ppb PROTightceal Medium).

Results:
In the first application after pumping 15bbls each time the prior sweep exited the bit fluid losses stopped. After the 2nd product application of pumping sweeps and treating the system, operator was able to resume drilling ahead with minimal seepage trying to find bottom of M Sand and taking mud log samples every 30' with no issues.

- St. Tammany Parish, LA

Date: 7/8/16
Operator: Helis Oil & Gas
Well: EADS Poitevent #1
Field: Lacombe Bayou
Rig: Rapad 38
County/Parish: Saint Tammany Parish, LA
Mud Wt. / Type: 8.95 ppg / Newmark KOH WBM

Challenges:
Operators plan was to prevent fluid losses using pro core chemicals recommended preventative maintenance sweeps through expected loss zones while drilling (PRO V+, PRO NiteT, PROTight CealM). Operator was also prepared to use PROCORs PRO GG product to prevent gumbo attacks and bit balling while drilling through reactive clays.

Solutions:
PROCOR recommended pumping 25-30 bbl "Aggressive LCM Preventative Sweeps" of 40ppb LCM sweeps (20ppb PRO V+, 10ppb SB SuperCeal, & 10ppb PRO TightCeal/F) should losses occur through area of concern. I f no losses observed, use sweep built in slug pit at TD to bring up remaining cuttings & clean hole prior to casing run. Built 80 bbls of 40ppb LCM sweep/pill (20ppb PRO V+, 10ppb SB SuperCeal, & 10ppb PRO TightCeal/F) in slugging pit through rig hopper.

Results
Slug pit on rig had poor mixing ability, no agitators in the slug pit and only one gun line and one return line, centrifugal pumps output was really insufficient when trying to mix any LCM concentrations of 35 ppb or more. Discussed the option of a portable mixing plant for future location in case the need for high LCM concentrations and Drilling Superintendent on location agreed.

- Washington Parish, LA

Date: 3/18/15
Operator: Goodrich Petroleum Corp
Well Name: W. Alford 10H #1
Field/Block: Wildcat
Rig: Nabors 624
Parish/County: Washington Parish, LA
Mud Wt. / Type: 12.2 OBM / Pro-Formance Drig Fluids

Challenges:
Operator was drilling in the TMS (Tuscaloosa Marine Shale) and lost fluid returns drilling the lateral section @ 13,823' loosing 100+bbls/hr Also experiencing tight spots and hole packing off.

Solutions:
PROCOR recommended mixing up a 90bbl pill of PRO V+, PRO TightCeal/M, SB SuperCeal, PRONiteT. Spotted from 12,600' to 11,295' MD. TIH slow to 13,040' with returns.

Results:
Spotted first pill, tagged tight spot and washed to 13,052' MD, hole was packing off and losing returns, stop pumps and back reamed to 12,961' establishing circulation and circulating bottoms up at 450 GPM, started losing 120 bph, slowed pumps to 420 GPM. Backreamed to 12,200 feet slowed losses to minimal. Spotted 2nd/ 60bbl PROCOR pill inside casing and washed and reamed to 14,180' MD @ 200 gpm, hole continued packing off. Started back reaming up to 13,812' MD and hole was tight. The first pill slow the losses to minimum and the second pill stop losses completely. Operator ended up getting stuck at 13,813' and having to free point.

- Calcasieu Parish, LA

Date: 10/23/14
Operator: McMoRan Oil & Gas
Well Name: Farthest Gate West
Field/Block: Wildcat
County/Parish: Calcassieu Parish, LA
Rig: Unit 201
Mud Wt. / Type: 18.6ppg BHI OBM

Challenges:
Operator had concerns of running casing in deep well with close casing tolerances.

Solutions:
Prior to running casing/liner, we recommended mixing and spotting 100 bbls of PRO Slick beads @ 10ppb. Trip in hole to desired depth and pump and pull the bead slurry out of DP until the entire slurry has exited the DP and BHA, POOH to run casing/liner. 100 bbls PRO Slick beads: 5 ppb PRO SlickBeads Fine (0 - 65 microns) = 10sx @ 50lb sack; 5 ppb PRO SlickBeads Coarse(0 – 600 microns) = 10sx @ 50lb sack

Results:
Operator ran 5 strings, 20", 13.5", 12.25", 10.625" and 9.75" to 24,000'MD, casing to bottom without problems

- St. Helena, LA

Date: 11/16/13
Operator: Goodrich Petroleum Corp
Well Name: Weyerhaeuser 51H #1
Field/Block: Chipola North
County/Parish: St. Helena Parish, LA
Rig: Ensign 753
Casing Point: 13 3/8" @ 3,590'
Mud Wt. / Type: 9.1 ppg/OBM

Challenges:
Operator was drilling in the TMS (Tuscaloosa Marine Shale) and experienced loss circulation.

Solutions:
PROCOR recommended pumping "Aggressive LCM" pills consisting of 50bbls (35-40 pumpable) @ 45ppb (35ppb PRO V+, 5ppb PRO TIghtCealM, 5ppb PRONiteT) Pills were pumped from slugging pit and displaced out of bit with WBM and spotted on bottom as proposed. After spotting pill, no fluid losses observed and full returns established at full drill rate.

Results:
Drilling able to resume with no more problems encountered. Operator TIH after a bit trip, did not tag bottom with pumps at full drill rate, had no further problems with formation breaking down.

- Evangeline Parish, LA

Date: 11/28/11
Operator: Midsttes Petroleum/Crown Drilling
Well/Area: Crowell 35-6
Field/Block: Pine Prairie
County/Parish: Evangeline Parish, LA
Casing Point: 9 5/8" @ 2,500'
Mud Wt / Type: 9.5 – 10.0 ppg / Baker Hughes Salt Saturated WBM

Challenges:
Salt/Sub Salt Formations; Potential Fluid Seepage / Loss Circulation @ +/- 4,900'; Increasing Mud Weight while preventing fluid losses; Hole Cleaning; Good Shoe Squeeze.

Solutions:
PROCOR recommended at KOP, to begin pumping 20 bbl sweeps every 200' containing 5ppb SB SuperCeal, 5ppb PRO TightCealM and 5ppb HP PROFalt while maintaining "System Concentrations" of 2ppb PROFalt, 2ppb PRONiteT

Results:
Operated drilled well to TD successfully running sweeps that produced a good, tight wall cake, increased well bore integrity, prevented any seepage and minimized fluid losses.

- LaFourche Parish, LA

Date: 8/19/11
Operator: Conoco Phillips
Well / Area: LL&E #1
Parish: LaFourche Parish, LA
Field / Block: Shalimar Prospect
Rig: Parker 77B
Casing: 1403/4" @ 12,462'
Bit Depth: 14,462'
Measured Depth: 15,033'
Mud Wt/Type: 14.7ppg/OBM/Halliburton Baroid

Challenges:
Fluid losses / loss circulation Stabilize wellbore and stop losses. The Operator spotted multiple LCM pills but with limited success due to the under-reamer with close hole tolerances.

Solutions/Recommendations:
PROCOR recommended 200 bbls Of PRO V+ High Fluids Loss Squeeze product.

Results:
After pulling BHA went back in spotted 200bbls PRO V+, 80bbls inside casing with the head of the pill right at the top of the Pelican Sand, 120bbls below the shoe, where this assumed fracture was located. Pulled BHA and found tools heavily packed off specifically around the under-reamer, so each time they attempted to circulate, only partial returns.

- Vermilion Parish, LA

Date: 9/29/10
Operator: Crown Drilling / Square Mile Energy
Well / Area: Gautreax #1
Parish: Vermilion Parish, LA

Challenges:
Depleted sand, lost circulation..etc....

Solutions/Recommendations:
Product was mixed in an external 100bbl mixing package add barite until weight of 17.2ppg is reached and maintained....displace slurry in wellbore as a balanced plug.....pull above and circulate. Text book application.

Results:
Losses while trying to circulate were resolved...the rig was able to displace oil based mud with water based.....rig operations were resumed...job successful...follow up scheduled. Very well run Rig Crew and drilling operation. This crew mixed the pill in record time (2hours, 40minutes!). The operator/contractor determined this squeeze successful and well was logged on wireline.

- Vermilion Parish, LA

Date: 4/1/09
Operator: Flex Energy LLC
Well / Area: Oak Bend Estates LLC #1
Field: Gross Isle
Parish: Vermilion Parish, LA

Challenges:
Well ballooning, water influx, fluid losses.

Results:
Due to the mixing pit size, hole volume and time constraint, it was recommended to only mix up 45 bbls initially and get as much slurry as we could. Due to the great results of the 1st slurry, it was decided to piggy back the initial squeeze to continue to increase the pressure. An additional 40 bbls was mixed up and results of the squeeze are shown on the graph. As of 3/24/09 the well was drilled to liner TD with no additional losses.