



PROCOR
CHEMICALS, INC.

**UINTA SHALE
CASE HISTORIES**

Revision Date: 08/29/24





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DATE: 08/29/2024

PROCOR CUSTOMER LIST
UINTA SHALE OPERATORS

COMPANY NAME

XCL Resources
Scout Energy

Uinta Shale Case History

- Duchesne County, UT - PRO Slide

Date: 1/31/24
Operator: Scout Energy Management
Well / Area: Brutus Buckeye 26-11-7-16-2H
Field: Monument Butte
Parish/County: Duchesne County, UT
Rig: H&P 257

Challenges

Operator experiencing slow ROP, Torque and Drag. This well had exceptionally bad dog legs. We're almost @ TD 20,000'.

Solutions

Operated called another Operator working in the Utica and recommended PROCOR's PRO Slide Synthetic based lubricant.

Results

Comments from the Company Man, Overall, good. We've had a chance to use 2 totes but in combination with a hydrocarbon lube. Used separately in sweeps. and we have successfully managed to keep the torque below 32 kft/lb. We do think it was a benefit to have PS as a compliment to the hydro carbon lube we had already introduced prior to deploying PS. We have 3 more wells on this pad and will definitely try it independently to see how it will performs solo.

- Duchesne County, UT - PRO Sweep Aid

Date: 7/4/23
Operator: XCL Resources, LLC
Well / Area: Wild 51-3328-22D
Field: Undesignated
Parish/County: Duchesne County, UT
Rig: H&P 520

Challenges

Operator experiencing torque and drag when building curve and drilling out into the lateral section.

Solutions

Recommended PRO Sweep Aid for prevention of seepage and fluid losses and incorporating pro slide pumping in sweeps or spotted his pills.

Results

Combination of products reduced torque and drag and improved ROP by incorporating in as a system treatment and maintaining concentrations at 1 to 2% by volume.

- Duchesne County, UT

Date: 6/29/23
Operator: XCL Resources, LLC
Well / Area: Flying V 45-2734-22G
Field: Undesignated
Parish/County: Duchesne County, UT
Rig: Patterson 256

Challenges

As lateral lengths, continue to increase torque in drag, and reduced ROP are an issue

Solutions / Product Recommendations

Recommended our Synthetic Bases Lubricant , PRO Slide 1-2% by volume. Maintained in the Fluid System by continual additions in suction pit with a periodic sweeps for sliding if needed at 4-6% by volume.

Results

Operator pleased with results and continues running products on each well keeping cost in check.

Duchesne County, UT

Date: 6/10/23
Operator: XCL Resources, LLC
Well / Area: Flying V 55-2734-22F
Field: North Myton Bench
Parish/County: Duchesne County, UT
Rig: H&P 524

Challenges

As lateral lengths, continue to increase torque in drag, and reduced ROP are an issue

Solutions / Product Recommendations

Recommended our Synthetic Bases Lubricant , PRO Slide 1-2% by volume. Maintained in the Fluid System by continual additions in suction pit with a periodic sweeps for sliding if needed at 4-6% by volume.

Results

Operator pleased with results and continues running products on each well keeping cost in check.

Duchesne County, UT - PRO Sweep Aid, SB SuperCeal, PRO V+, PRO X

Date: 3/14/23
Operator: XCL Resources, LLC
Well / Area: Thing #58-2833-22E
Field: Undesignated
Parish/County: Duchesne County, UT
Rig: H&P 527

Challenges

Operator drilling intermediate and production hole, experiencing fluid losses. Drilling Concerns, • Shale/Clay Stabilization • Unconsolidated formations • Sticking • Gauged hole / Hole cleaning • Wellbore integrity • Anticipated zones with possible depletion / lost circulation • Good cement job on intermediate casing.

Solutions/ Product Recommendations

Initially we recommend pumping a 20-30bbl sweep @ 65ppb (20ppb Sweep Aid, 5ppb SB Superceal, 20ppb PRO V+ and 20ppb PRO X). And increasing concentrations as needed up to 100bbbls @ 80ppb – 35ppb PRO V+, 35ppb PRO X, 5ppb SB Superceal and 5ppb PRO Sweep Aid).

Results

Well was successfully TD'd maintaining wellbore and minimizing fluid losses.

Duchesne County, UT - PRO Sweep Aid, SB SuperCeal, PRO V+

Date: 10/8/21
Operator: XCL Resources, LLC
Well / Area: Olympian 64-3635-23N
Field: Wildcat
County: Duchesne County, UT
Rig: H&P 520

Challenges:

Preventing fluid losses and stabilizing the wellbore.

Solutions/Recommendations:

Operator is activity running 15ppb, preventive maintenance sweeps, including 5 ppb / SBSC and 10ppb /PRO Sweep Aid. 25ppb when experiencing seepage or moderate fluid losses including 10ppb SB SuperCeal, 10ppb PRO Sweep Aid and 5ppb PRO V+. 30ppb when experiencing moderate fluid losses (20-40bbls /hr) including 10ppb SB SuperCeal, 10ppb PRO Sweep Aid and 5ppb PRO V+.

Results:

Operator is successfully drilling these wells on time and on budget by minimizing wellbore issues.