

Item 13 (continued)

Lea Unit #4

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15. SITP - 80 psig. SICP - pkr. Started swabbing w/FL 4300' FS. Made 22 runs in 11 hrs. Recov'd 6 BO & 127 BW. Final FL 6100' FS. Sample on last run 5% oil. Chlorides on wtr sample was 23,200 PPM. SWI. SDFN.
16. Started swabbing w/FL 5000' FS. Made 22 runs in 10 hrs. Recov'd 4 BO & 117 BW. Final FL 6100' FS. Sample on last run 3-4% oil. SWI. SDFN. Wtr sample @ 5:00 pm:

Resistivity	.208 @ 70½
Specific Gr	1.025
pH	6.3
Calcium*	1550
Magnesium	660
Chlorides*	21,000
Sulfates*	Light
Bicarbonates*	586
Soluble Iron*	Heavy
KCl	Negative

*Milligrams per liter

17. SITP - 80 psig. SICP - pkr. Released 7" RITS pkr @ 9570'. POOH w/pkr, S nipple on 2 7/8" tbg. Installed 7" frac valve. SIH w/7" RBP. Lost plug going in hole. Latched onto plug @ 1425'. Set plug @ 180'. POOH w/tbg. Closed 7" valve. Tested plug, csg & valve to 3000 psig. Held OK. WIH & latched onto plug @ 180'. Released plug & POOH. RU Computalog. Closed 7" valve. Tested lubricator to 3000 psig. Held OK. Opened valve. WIH w/4" csg guns. Perforated 7" csg ("P" dolomite) @ 9500'-9518' w/4 JSPF (2 runs). Note: Guns didn't fire on 1st run. POOH. RD Computalog. Removed 7" valve. SIH w/7" pkr type. RBP - ball catcher, RITS pkr, S nipple on 2 7/8" tbg. Closed pipe rams. SDFN.
18. FIH w/RBP, pkr, S nipple on 2 7/8" tbg. Set plug @ 9578'. RU Smith Energy. Tested tbg to 5000 psig. Held OK. Fished SV. Tested plug to 1000 psig. Held OK. Released pkr & pulled up to 9516'. Broke circulation. Spotted 3 bbls 15% HCl acid across perf interval 9500-9518'. PU & set pkr @ 9411'. Broke down formation @ 2500 psig @ 1.6 BPM. Opened bypass. Spotted acid down to pkr. Closed bypass. Acidized Bone Spring interval 9500-9518' w/2750 gals 15% HCl acid. Used 130 ball sealers for divert. Flushed w/2% KCl wtr to bottom perf. Had good ball action. Max press - 4500 psig. ISDP - 2700 psig. 5 min SIP - 1650 psig. 10 min SIP 1000 psig. 15 min SIP 600 psig. AIR - 3.2 BPM @ 3500 psig. SWI. RD Smith Energy. RU swab. Started swabbing w/FL @ surface. Made 11 runs in 5 hrs. Recov'd 71 BW. Sample on last run - 5% oil. Final FL 4000' FS. SWI. SDFN.