

Procedure by JSS

FIELD: Burton Flat

Type Fluid* 7.5% 6 - 10% HCL W/ INHIBITOR
Total Acid Vol 1500 (Gals)
Max Rate **** (BPM)
Max press 3000 (PSI)
Type Diverter* PERFORAT PERFORATION BALL SEALERS
Upper Depth 4395 (ft)
Lower Depth 4430 (ft)
Flush Vol 25 (bbls)

Additives:

Function*	amt	Brand name
<u>INHI</u> ACID INHIBITOR	<u>1 gpt</u>	<u>A-200</u>
<u>FECO</u> IRON CONTROL ADDIT	<u>5 gpt</u>	<u>U-42</u>
<u>NEA</u> NON EMULSIFIER	<u>2 gpt</u>	<u>W-53</u>
<u>CLAY</u> CLAY STABILIZER	<u>2 gpt</u>	<u>L-55</u>

10. RD Dowell. Unset pkr and lower to bottom perf to knock balls off of perfs. PU packer to previous depth and set pkr. RU swab line. Swab well for 1 day to clean up unspent acid and to determine fluid entry. The well will be fraced unless swab results indicate high fluid entry and 100% water. Contact Jon Snell at 688-6244 to discuss. If the frac is bypassed proceed to step 13.
11. RU Dowell to nitrogen frac well as follows. Test treating lines to 6000 psi.

BASIC MATERIALS: 49,600 lb. of 12/20 mesh Brady Sand
FLUID RESUME: 18,300 gal Foam 60Q-40Q
8,320 gal WF140
2,000 gal WF140 Tank Bottoms
247,000 SCF Nitrogen
30,000 SCF Nitrogen Cooldown

10,520 gal Total Fluid

Fracture:

Depth(ft): Top 4395 Bottom 4430
Rate(bpm): max 20 average 18
Press(psi): max 6000 average 4500
Service Cox DOWEL DOWELL-SCHLUM

Frac Composition:

Function*	amt	Brand name
<u>KCL</u> KCL	<u>167 PPT</u>	
<u>GELL</u> GELLING AGENT	<u>9 GPT</u>	<u>J-877 Liq Slurry Gel</u>
<u>BACT</u> BACTERIACIDE	<u>0.3 GPT</u>	<u>M275</u>
<u>BREA</u> BREAKER	<u>1.5 GPT</u>	<u>J-318 Breaker Aid</u>
<u>BREA</u> BREAKER	<u>4 PPT</u>	<u>J-218 Breaker</u>
<u>FOAM</u> FOAMER	<u>5 GPT</u>	<u>F-52.1 Foamer</u>

Design: