

ATTACHMENT TO FORM 3160-4 - WELL COMPLETION OR RECOMPLETION REPORT & LOG

ITEM NO. 32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

1. CEMENT SQUEEZES:

<u>Depth Interval (MD)</u>	<u>Amount and Kind of Material Used</u>
14745' - 14757'	BP at 14,700'. Dump 30 sacks on top.
14320' - 14,342'	CIBP set at 14,300'. Dumped bailed (50') on top.
13400' - 13500'	CIBP set at 13400' - cap with 10 sacks of cement
11621' - 11419'	Squeeze with 25 sacks
5044' - 4742'	Squeeze with 100 sacks cement
4296' - 4160'	Squeezed with 120 sacks cement
3685' - 3530'	Squeezed with 50 sacks Cement
711' - 556'	Squeezed with 50 sacksCement
50' - Surface	20 sacks cement.

2. Acid, Shot, Fracture Jobs:

14760'	Spot 100 gallons 10% acid to clean hole - 84 gallons 7 1/2% Mareflo Acid - 5000 SCF Nitrogen, 1000 SCF Nitrogen
14745' - 14757 (Morrow Teal Sand)	Pumped 87 gallons 7-1/2% Moreflo Acid with additives and 100 SCF nitrogen displaced with 2050 gallons 2% KCL water and 1000 SCF/bbl.
14320' - 14342 (Morrow Sinatra)	Acidized w/2000 gallons MOD 101 7 1/2% acid + 500 SCF Nitrogen
13565' - 13585' (Atoka Bank)	Acidized perfs. with 2000 gallons MOD 202 acid, 5000 SCF Nitrogen, 1900 gallons 2% KCL watr.  Acidized and fractured: Pumped 10,500 gallons 20% SGA with additives, 5 gallons 2% KCL water with additives.