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#1 MINER
 Cement Production String

C SE/4 SE/4
 32-T18S-R24W
 Ness County, Kansas

Miner West Prospect

6-7-84 Rigged down Gearhart. Log depth was 4461' KB. Ran drill pipe and conditioned hole for two hours. POH w/drill pipe and collars. Tallied 111 jts. 5-1/2" 14# casing w/threads off - 4486.46'. Rigged up Frances Casing Crews and ran 5-1/2" pipe as follows:

1 - Bakerline Guide Shoe	0.75'
1 - jt. 5-1/2" 14# casing	19.13
1 - Bakerline Float Collar	1.95
74 - jts. 5-1/2" 14# casing	3007.18
1 - Bakerline 5-1/2" Stage Collar	1.75
35 - jts 5-1/2" 14# casing	1412.24
Rotary Space	13.00
Casing set at	<u>4456.00'</u> KB

Stage Collar - 1425.24'
 Centralizers @: 4436, 4396, 4354, 4313, 4272, 4231, 2 in cedar hills
 fm, 1 in surface pipe
 Scratchers: Ran 2/jt on first 6 jts.
 Basket: 1 @ 1466 KB, 1 @ approx. 900' KB

Circulated hole for 30 min. - reciprocating pipe 20' RV Halliburton and pumped 20 bbls. salt flush ahead and 100 sacks Class A cement w/10% salt, 2% gel, 3/4% CFR-2 for bottom stage. Bumped plug @ 1000 psi - held o.k. Bled press off - held o.k. Plug down @ 7:25 P.M. Dropped bomb to open stage collar. Waited 10 min. Opened stage collar w/800 psi. Started cementing 2nd stage @ 7:40 P.M. Pumped 200 sacks Howco Lite w/6# sack gilsonite. Bumped plug @ 2100 psi @ 8:10 P.M. Held o.k. Bled off pressure. Held o.k. Had good returns on both stages. Saw cement to surface on second stage just before shut down. RD Halliburton. Installed head. Released rig.