

FASKEN OIL AND RANCH, LTD.
EL PASO FEDERAL NO. 11
Page 2

1" Cementing Detail:

Temperature survey indicated TOC at 680' FS.

Plug #1: Tagged TOC at 728' with 1" tubing. Cemented @ 716' with 100 sx Class "C" with 4% CaCl₂ (s.w. 15.1 ppg, yield 1.2 ft³/sx).

Plug #2: WOC 2 hrs, tagged at 532'. Cemented @ 529' with 200 sx Class "C" with 3% CaCl₂ (s.w. 15.1 ppg, yield 1.2 ft³/sx).

NOTE: Plug #2 cementing operations were witnessed by Mr. Gene Hunt with the BLM, Carlsbad, NM.

Drilled 8-3/4" hole with 9 ppg – 10 ppg brine to 8625'. Set and cemented casing as follows.

Casing Detail: 7" 26# L-80 LT&C casing

1 Weatherford float shoe	0.95'	
1 jt casing	42.88'	
1 Weatherford float collar	1.20'	
70 jts casing	3066.45'	
1 Weatherford DV tool	2.57'	@ 5510.94'
127 jts casing	5535.15'	
198 jts total	8649.20'	
less cut-off	- 40.21'	
	8608.99'	
below KB	+ 16.00'	
Landed @	8624.99'	

Cement Detail:

1st Stage – Mixed 325 sx BJ Lite "H" with 2# salt, 5# Gilsonite and 0.5% FL-52 (s.w. 12.56 ppg, yield 2.0 ft³/sx) plus 200 sx Class "H" with 3% KCl and 0.7% FL-25 (s.w. 16.2 ppg, yield 1.1 ft³/sx). Plug down at 9:50 pm CST 12-2-98. Opened DV tool and circulated 65 sx excess cement. Circulated 6 hrs.

2nd Stage – Mixed 475 sx Super "C" Modified (CSE) with 8# salt, 8# Gilsonite and 0.5% FL-52 (s.w. 13.0 ppg, yield 1.71 ft³/sx) plus 100 sx Class "C" neat (s.w. 14.8 ppg, yield 1.32 ft³/sx). PD at 5:40 am CST 12-3-98. Began losing returns with 90 bbls displacement pumped. Lost complete returns when plug was bumped and fluid level was not visible.

NOTE: Top of cement at 2300' per temperature survey.

Drilled 6-1/8" hole with 9.1 – 10.8 ppg brine/starch mud to 11,254'. Set and cemented liner as follows:

Casing Detail: 4-1/2" 13.50# N-80 LT&C casing

		Landed at
1 TIW float shoe	1.42'	
1 jt casing	46.61'	
1 TIW Latch down float collar	1.18'	11,200.79'
1 jt casing	46.80'	11,153.99'
6 jts Flint Coat casing	280.13'	10,873.86'
1 jt Flint Coat marker	42.50'	10,831.36'
5 jts Flint Coat casing	233.01'	10,598.35'