

**FASKEN OIL AND RANCH, LTD.**  
**INDIAN HILLS UNIT NO. 16**  
**Casing and Cementing**

2200' FNL & 660' FWL, Sec. 17, T-21-S, R-24-E, Eddy County, New Mexico  
Elevation: 3914' GL

**5-8-00**

Spudded @ 4:30 pm CDT 5-8-00.

**5-14-00**

TD 2410'.

Casing Detail: 9-5/8" 36.0#/ft J-55 LT&C

1 - Weatherford Round-nose Guide Shoe	1.30'
1 - jt casing	47.06'
1 - Weatherford Float Collar	1.25'
53 jts casing	2365.63'
54 jts total	2415.24'
less cut-off	- 22.50'
	2392.74'
below KB	+ 16.00'
Landed @	2408.

Cement Detail: Pumped 10 bfw, 40 bbl gelled water, 200 sx Class "H" with 10% A-10B, 1%  $\text{CaCl}_2$ , 10#/sx Gilsonite and 1/4#/sx Cello Flake (s.w. 14.6 ppg, yield 1.52 ft<sup>3</sup>/sx), 710 sx Class "C" with 4% gel and 2%  $\text{CaCl}_2$  (s.w. 13.5 ppg, yield 1.74 ft<sup>3</sup>/sx) and 200 sx Class "C" with 2%  $\text{CaCl}_2$  (s.w. 14.8 ppg, yield 1.32 ft<sup>3</sup>/sx). Plug down at 6:10 am CDT 5-15-00. Did not circulate cement.

**5-16-00**

TD 2410'.

1" CEMENTING DETAIL:

Plug #1: Tagged TOC at 874' with 1" tubing. Cemented with 50 sx Class "C" with 4%  $\text{CaCl}_2$  (s.w. 15.1 ppg, yield 1.2 ft<sup>3</sup>/sx).

Plug #2: WOC 2 hrs, tagged at 835'. Cemented with 100 sx Class "C" with 4%  $\text{CaCl}_2$  (s.w. 15.1 ppg, yield 1.2 ft<sup>3</sup>/sx).

Plug #3: WOC 1-1/2 hrs, tagged at 641'. Cemented with 100 sx Class "C" with 4%  $\text{CaCl}_2$  (s.w. 15.1 ppg, yield 1.2 ft<sup>3</sup>/sx).

Plug #4: WOC 1-1/2 hrs, tagged at 485'. Cemented with 50 sx Class "C" with 4%  $\text{CaCl}_2$  (s.w. 15.1 ppg, yield 1.2 ft<sup>3</sup>/sx).

Plug #5: WOC 2 hrs, dumped 50 gallons pea gravel down backside and tagged at 455'. Cemented with 50 sx Class "C" with 4%  $\text{CaCl}_2$  (s.w. 15.1 ppg, yield 1.2 ft<sup>3</sup>/sx).

Plug #6: WOC 2 hrs, dumped 100 gallons pea gravel down backside and tagged at 300'. Cemented with 150 sx Class "C" with 4%  $\text{CaCl}_2$  (s.w. 15.1 ppg, yield 1.2 ft<sup>3</sup>/sx). Circulated 10 sx cement to surface.

**NOTE:** Surface and 1" cementing operations were witnessed by Mr. Gerry Guye with the NMOCD, Artesia, NM.