

## DRILLERS WELL LOG

**Date Commenced:** August 22, 2002  
**Date Completed:** August 28, 2002

**ESP Development, Inc.**  
**Helen A #1**  
**148'W & 22'S S/2 NW NW**  
**Sec. 1-11S-20W**  
**Ellis County, Kansas**

**Elevation:** 2094' G.L.  
2099' K.B.

0 - 236' Shale & Sand  
236 - 540' Shale  
540 - 1420' Shale & Sand  
1420 - 1500' Sand & Shale  
1500 - 1550' Arbuckle  
1550 - 1730' Sand & Shale  
1730 - 2135' Shale  
2135 - 2410' Shale & Lime  
2410 - 2660' Sand & Shale  
2660 - 3710' Shale & Lime  
3710' R.T.D.

### FORAMATION DATA

|                  |       |
|------------------|-------|
| Anhydrite        | 1500' |
| Base Anhydrite   | 1550' |
| Topeka           | 3116' |
| Heebner          | 3329' |
| Base Kansas City | 3366' |
| Arbuckle         | 3678  |

**Surface Pipe:** Set 23#, new, 8 5/8"  
casing @ 236' with 150 sacks 60/40  
Poz., 3% Gel., 2% CC.

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
AUG 2 2002

### A F F I D A V I T

STATE OF KANSAS )  
 ) ss:  
COUNTY OF RUSSELL )

Alan Vonfeldt of lawful age, does swear and state that the facts and statements

herein are true and correct to the best of his knowledge.