

**KANSAS GEOLOGICAL SOCIETY**  
**KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU**  
**KANSAS GEOLOGICAL SOCIETY BUILDING**  
**508 EAST MURDOCK - WICHITA, KANSAS**

14-1-34W

COMPANY **EMPIRE DRILLING**

SEC. 14 T. 1 R. 34W  
 LOC. C SE NE

FARM Ruda

NO. 3

TOTAL DEPTH 4301

COMM. 11-14-66

COMP. 11-24-66

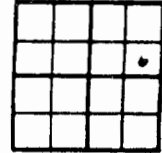
COUNTY Rawlins

SHOT OR TREATED

CONTRACTOR Empire Drlg.

ISSUED 1-28-67

KANSAS



CASING

20 10  
 15 8 5/8" @ 263' w/135 SX  
 12 6  
 13 5 1/2" @ 4299' w/125 SX

ELEVATION 3122' KB

PRODUCTION ST: TST: PMP

55 BOPD, 55 % Wtr.  
 (LANS 4214-23 GR 36)

FIGURES INDICATE BOTTOM OF FORMATIONS

0	to	270	Surface-Shale-Sand
270	to	550	Shale
550	to	1660	Shale & Bentonite
1660	to	2000	Shale & gypsum - Sand
2000	to	2175	Gypsum & Sand
2175	to	2530	Shale
2530	to	2560	Gypsum
2560	to	2645	Shale & Shells
2645	to	2900	Shale, gypsum & Redbed
2900	to	2964	Redbed
2964	to	2996	Anhydrite
2996	to	3024	Shale
3024	to	3185	Shale & Shells
3185	to	3915	Lime & Shale
3915	to	4300	Lime
4300			Rotary Total Depth

SET: 263' of 8 5/8" with 135 sacks cement.  
 4299' of 5 1/2" with 125 sacks cement.

**SCHLUMBERGER ELECTRIC LOG TOPS:**

Anhydrite	2968	+154
Base Anhydrite	2999	+123
Wabaunsee	3648	-526
Topeka	3819	-697
Deer Creek	3864	-742
Oread	3933	-811
Base Leavenworth	3981	-859
Douglas Sand	3988	-866
Lansing	4022	-900
Sandy Zone	4042	-920
Base Kansas City	4280	-1158
Log Total Depth	4301	-1179

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**CERTIFICATION**