

DRILLING TIME LOG

Barwick, Spruill, Harms, Inc.
 Box 184
 Great Bend, Kansas

Lease: Hagerman County: Pawnee, Kansas
 Section: 4-20-16
 Location: NE NE NE

50 Foot Drilling Time
Minutes Per 5 Foot

Depth		
3005	3050	15-15-16-22-18-20-24-19-22-23
3050	3100	26-23-23-24-18-17-17-19-10-20
3100	3150	26-35-27-30-43-27-19-17-33-37
3150	3200	35-50-25-23-15-22-20-20-14-28
3200	3250	33-28-26-28-25-38-35-27-29-31

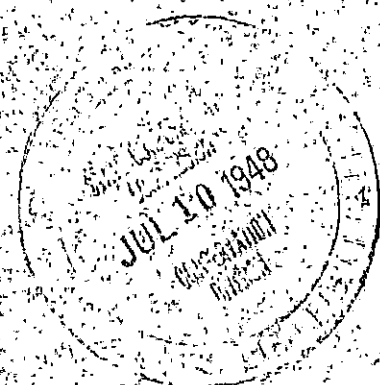
3160 Trip

10 Foot Drilling Time

3250	3260	4-5-6-6-6-6-4-3-3-3
3260	3270	3-4-4-4-4-4-3-3-3-3
3270	3280	4-3-3-3-5-6-7-6-4-4
3280	3290	3-3-4-3-3-3-3-6-6-5
3290	3300	3-3-7-8-2-2-2-2-2-1
3300	3310	1-1-1-1-2-3-4-3-4-4
3310	3320	4-5-4-5-7-7-9-9-11-8
3320	3330	8-7-7-7-6-6-6-7-6-6
3330	3340	6-6-6-7-9-8-7-7-8-7
3340	3350	5-4-5-8-5-7-9-14-16-12
3350	3360	10-11-13-15-14-13-14-11-6-14
3360	3370	18-19-7-6-4-5-5-5-5-4
3370	3380	4-5-7-8-7-5-6-5-6-5
3380	3390	6-6-6-7-6-4-5-5-5-5
3390	3400	6-6-4-5-4-5-5-4-4-4
3400	3410	4-4-4-4-4-4-5-4-5-5
3410	3420	4-4-4-4-4-4-4-5-3-4
3420	3430	3-5-4-5-4-4-4-4-4-3
3430	3440	4-4-5-5-4-4-5-5-5-5
3440	3450	5-4-4-4-5-4-5-5-5-6
3450	3460	7-7-10-10-10-10-10-8-8-10
3460	3470	9-8-8-3-5-2-2-3-5-5
3470	3480	6-7-9-10-9-10-9-9-7-7
3480	3490	7-7-4-4-6-9-8-8-10-8
3490	3500	7-10-10-8-9-7-11-7-6-7
3500	3510	7-6-7-7-10-10-9-12-12-9
3510	3520	11-10-8-7-5-6-4-4-7-9
3520	3530	8-6-9-7-7-6-4-3-3-3
3530	3540	5-6-6-7-7-6-5-5-4-7
3540	3550	9-9-10-11-11-10-11-9-7-7
3550	3560	5-5-7-10-11-6-9-6-8-11
3560	3570	16-16-15-17-10-10-10-10-7-12
3570	3580	15-16-15-9-9-9-9-8-5-9
3580	3590	12-9-9-9-10-9-8-8-12-11
3590	3600	10-8-9-11-9-11-10-9-9-7
3600	3610	7-8-8-6-4-2-4-7-10-9
3610	3620	7-8-5-5-5-4-4-4-3-6
3620	3630	10-11-14-7-12-9-10-11-13-13
3630	3640	12-14-11-9-13-10-7-6-6-6
3640	3650	6-11-10-9-11-10-12-11-11-12
3650	3660	13-13-14-15-15-10-8-9-7-7
3660	3670	8-9-9-7-6-4-5-7-8-8-10
3670	3680	11-11-11-10-10-9-7-6
3680	3690	8-9-8-9-9-8-8-9-8-8
3690	3700	9-7-8-7-7-8-8-9-9-8
3700	3710	8-8-8-9-8-7-8-7-9-9
3710	3720	10-10-9-9-9-9-10-9-8-10
3720	3730	6-8-9-9-9-10-11-13-11-9
3730	3740	9-11-12-12-11-10-9-5-6-6

3362 Trip

3564 Trip



15.145.01226.0000

STATE OF KANSAS)
COUNTY OF BARTON)

I, the undersigned, being duly sworn on oath state that the above statement and log is true and correct record and log of the well drilled at the location above described.

BERWICK, SPRUILL, HARMS, INC.

By *H. Harms*

Subscribed and sworn to before me this _____ day of August, 1947

Notary Public

My Commission Expires: December 4, 1950