

DRILLING TIME

NW NW SW
Sec. 22-34S-3W

Herndon Drilling Company
3 Subera

Elevation 1192 KB
Sumner County, Kansas

DEPTH	MINUTES	REMARKS
1' Intervals *****		
3162	4-3/4-4-4-3-4	3164 Conn
70	3-3-4-4-5/4-4-4-4-3	
80	4-3-3-3-3/3-3-4-2-3	
90	2-3-3-3-2/2-3-3-3-3	3193 Conn
3200	4-3-4-3-3/3-3-4-3-4	
10	4-3-2-3-3/3-2-2-3-3	
20	3-3-2-2-2/2-3-2-2-2	3222 Conn
30	2-2-3-2-3/2-2-2-2-2	
40	2-2-2-2-2/2-2-2-5-4	
50	3-3-3-3-3/3-5-4-4-2	3252 Conn
60	3-3-2-2-3/3-3-3-4-4	
70	4-3-3-4-4/4-4-6-8-7	
80	6-10-10-8-6/4-3-3-4-6	3281 Conn
90	4-5-4-5-8/8-6-6-6-7	
3300	7-7-6-6-5/5-7-6-8-9	
10	8-7-8-8-8/9-4-4-4-4	3312 Conn, 3315 Trip
20	4-5-4-5-6/4-3-4-5-4	
30	4-4-7-4-3/3-3-4-4-3	
40	3-3-3-3-4/5-5-4-5-5	3344 Conn
50	3-3-3-3-3/3-3-3-3-3	
60	2-3-5-5-5/3-3-3-3-3	
70	3-3-3-3-3/2-3-3-3-3	
80	3-3-3-4-4/3-3-3-2-3	
90	3-3-3-3-3/6-3-3-4-4	
3400	4-3-3-2-4/3-3-3-4-4	3402 Conn
10	4-3-3-3-3/3-3-3-3-4	
20	3-3-3-4-4/4-4-4-4-5	
30	4-4-4-4-4/4-4-4-4-4	3433 Conn
40	3-3-3-3-3/4-3-3-3-3	
50	3-3-4-4-3/3-3-3-3-3	
60	3-2-3-4-4/4-3-4-4-4	3463 Conn
70	4-4-4-5-4/4-4-4-3-4	
80	4-4-4-4-4/4-4-4-4-4	
90	3-4-3-4-3/4-4-3-4-4	3492 Conn

DRILLING TIME

NW NW SW
Sec. 22-34S-3W

Herndon DRilling Company
3 Subera

Elevation 1192 KB
Sumner County, Kansas

DEPTH	MINUTES	REMARKS
1' Intervals		

3500	5-5-3-4-4/3-4-4-3-2	
10	2-4-4-3-2/3-3-3-3-3	
20	2-3-3-3-4/3-2-3-3-2	3523 Conn
30	2-3-3-2-2/3-3-3-3-3	
40	3-2-2-2-2/3-3-5-5-4	
50	3-3-2-2-2/2-3-3-3-2	3553 Conn
60	2-3-2-2-2/2-3-2-3-3	
70	3-3-3-3-2/3-3-4-2-2	
80	2-3-2-2-3/2-4-3-4-7	
90	4-3-3-3-3/3-3-3-4-3	
3600	3-2-3-2-2/2-2-2-2-2	
10	2-2-2-3-2/2-2-2-2-3	3612 Conn
20	8-7-5-5-5/5-7-8-7-6	
30	7-8-8-8-6/6-6-3-5-5	
40	5-6-5-6-8/7-7-6-5-10	3641 Conn
50	5-6-6-7-7/8-5-6-6-6	3651 Trip
60	6-8-7-7-8/6-7-7-7-6	3669 Conn
70	6-7-6-6-6/6-6-6-7-6	
80	7-6-6-4-4/4-5-4-4-4	
90	4-4-4-4-5/5-6-5-5-5	3697 Conn
3700	3-3-3-4-3/3-2-2-2-2	
10	2-2-2-2-2/2-2-2-2-2	
20	3-2-3-2-3/3-2-3-3-3	3727 Conn
30	4-4-3-3-2/3-3-3-4-3	
40	3-3-2-3-3/3-3-3-3-3	
50	3-2-3-3-3/3-3-3-4-4	3756 Conn
60	6-8-8-7-5/5-5-5-6-8	
70	7-7-7-5-5/6-5-6-6-6	
80	6-5-5-4-4/4-4-5-5-6	3787 Conn
90	5-4-4-4-4/4-4-4-3-3	
3800	5-6-6-5-5/5-7-7-7-6	
10	5-5-5-5-5/6-7-6-5-5	3816 Conn
20	4-4-4-4-6/8-6-5-5-4	
30	3-3-2-2-3/3-4-3-3-4	
40	3-3-4-3-3/4-3-3-5-5	3847 Conn

DRILLING TIME

NW NW SW
Sec. 22-34S-3W

Herndon Drilling Company
3 Subera

Elevation 1192 KB
Sumner County, Kansas

DEPTH	MINUTES	REMARKS
1' Intervals		

3850	7-7-6-5-5/4-5-4-4-3	
60	2-2-2-2-2/3-3-4-4-2	
70	2-2-2-2-2/3-3-4-2-5	3879 Conn
80	3-3-4-4-3/4-4-4-4-4	
90	4-4-4-4-4/4-4-4-4-5	
3900	4-4-5-5-3/3-5-5-5-9	3907 Conn
10	8-10-5-5-6/56-7-4-4	3913 Trip
20	3-3-4-6-7/6-7-5-5-3	
30	3-6-6-6-5/5-6-5-6-5	3935 Conn
40	5-4-4-4-4/4-6-6-7-6	
50	5-6-5-7-7/7-7-5-5-6	
60	6-6-6-5-6/6-4-5-6-6	3964 Conn
70	5-5-6-8-7/7-6-7-7-8	
80	7-8-8-7-7/8-7-7-6-7	
90	6-6-6-5-5/5-4-4-4-3	3994 Conn
4000	3-3-3-4-4/6-7-8-8-7	
10	8-8-8-9-8/8-8-8-8-8	
20	7-9-8-7-8/8-6-6-3-4	4024 Conn
30	3-4-4-6-8/7-6-8-8-10	
40	8-10-9-4-3/7-5-6-8-7	
50	6-5-4-3-4/4-4-4-3-4	4053 Conn
60	5-4-5-5-4-3/4-4-4-5-6	
70	7-5-5-5-4/5-3-3-3-3	
80	4-4-4-6-7/9-7-6-6-4	4080 Conn
90	6-9-7-8-5/5-6-4-4-6	
4100	7-7-5-3-5/4-5-5-4-5	
10	4-4-5-5-5/5-6-7-5-4	4115 Conn
20	3-4-6-6-5/5-5-6-5-6	
30	5-5-6-5-6/6-7-6-6-6	
40	6-7-5-5-5/6-7-6-6-5	4145 Conn
50	5-6-5-5-5/4-4-5-5-7	
60	10-9-4-5-5/6-7-7-8-10	
70	9-6-6-5-6/7-6-6-7-5	4175 Conn
80	7-9-10-8-10/10-7-7-6-7	
90	7-6-8-8-10/5-5-4-4-4	4196 Trip

DRILLING TIME

NW NW SW
Sec. 22-34S-3W

Herndon Drilling Company
3 Subera

Elevation 1192 KB
Sumner County, Kansas

DEPTH	MINUTES	REMARKS
1' Intervals *****		
4200	3-3-4-4-4/3-3-3-3-3	4206 Conn
10	3-4-4-4-4/5-6-6-6-6	
20	6-6-6-7-6/6-5-4-5-4	
30	4-5-4-5-4/4-4-4-4-5	4236 Conn
40	3-3-2-2-4/5-5-6-5-6	
50	5-5-5-5-5/5-5-5-5-6	
60	5-4-5-5-5/6-7-8-7-7	4266 Conn
70	6-7-5-5-4/4-3-5-6-7	
80	5-7-5-7-7/6-6-6-8-6	
90	7-9-7-6-8/6-7-6-7-7	4297 Conn
4300	8-6-7-6-8/9-9-8-7-8	
10	3-2-1-1-1/1-2-1-3-4	
20	4-5-1-2-1/3-3-4-5-6	DST 4326
30	6-8-7-7-6/6-6-8-10-11	
40	11-11-12-12-13/14-14-12-12-13	
50	8-7-8-10-8/8-10-12-13-13	4357 Conn
60	11-8-4-4-3/2-2-2-2-1	
70	1-1-1-2-2/2-2-2-1-2	4374 Circ
80	1-2-1-1-2/1-1-6-5-2	4387 Conn
90	1-2-2-2-1/1-1-2-1-2	
4400	1-1-2-3-1/2-1-1-2-2	
10	2-2-5-5-6/19-23-8-10-20	4418 Trip
20	15-14-14-17-19/12-14-16-14-12	
30	19-19-17-20-23/15-17-18-15-14	
40	12-14-13-11-12/12-12-13-10-10	4448 Conn
50	10-12-11-12-12/12-12-13-14-13	
60	12-13-13-15-16/16-15-17-18-18	
70	20-22-22-21-22/14-8-9-11-14	4475 Trip, 4479 Conn
80	15-10-12-13-15/16-9-15-12-9	
90	12-14-15-14-11/12-12-17-14-13	
4500	15-15-15-15-10/10-10-10-10-10	4510 Conn
10	10-11-10-13-10/10-13-12-15-11	
20	11-13-12-17-11/12-12-12-14-13	
30	17-15-16-19-16/19-21-20-16-18	

DRILLING TIME

NW NW SW
Sec. 22-34S-3W

Herndon Drilling Co.
3 Subera

Elevation
Summer County, Kansas

DEPTH	MINUTES	REMARKS
1' Intervals *****		
4540	7-8-7-7-10/10-10-5-4-4	
50	4-4-8-7-7/5-5-7-6-6	
60	5-5-5-5-6/5-6-5-5-5	
70	5-4-11-5-8/8-7-8-7-11	4571 Conn
80	8-10-13-8-10/9-10-10-11-13	
90	12-13-14-7-7/7-8-8-8-8	4594 Trip
4600	10-8-7-10-12/11-10-9-10-11	4601 Conn
10	10-10-8-12-10/14-11-12-10-10	
20	10-10-11-9-8/7-6-6-4-5	
30	8-6-5-7-6/7-7-7-7-8	
40	9-10-17-16-20/19-22-15-21-20	
50	18-20-10-10-8/6-7-5-5-5	4653 Trip
60	5-4-7-7-7/5-7-9-6-5	4660 Conn
70	5-7-8-6-6/6-5-7-8-8	
80	7-6-6-5-5/5-5-6-7-7	
90	5-6-5-7-6/5-9-5-6-6	4691 Conn
4700	4-8-4-5-4/5-5-7-5-7	
10	6-6-6-8-10/11-11-11-12-12	
20	13-10-10-15-26/33-30-18-13-9	4730 CFS
30	10-10	Circ