

DRILLING TIME

SW SW SW
Section 22-34S-3W

Herndon Drilling Company
2 Subera

Elevation 1194 RB
Sumnater County, Kansas

DEPTH	MINUTES	REMARKS
1' Intervals *****		
3000	5-6-5-6-6/5-4-4-5-5	
10	6-6-4-4-5/3-3-5-4-4	3011 Conn
20	5-4-4-3-5/5-4-4-5-4	
30	4-4-6-5-6/5-6-3-3-5	
40	4-3-4-5-5/6-5-4-5-5	3041 Conn
50	5-4-4-5-4/5-4-4-4-6	
60	5-5-5-6-5/6-6-6-7-5	
70	5-4-6-7-7/7-7-8-8-7	3072 Conn
80	8-7-7-8-8/3-3-3-3-3	3086 Trip
90	3-4-3-3-3/3-2-3-3-3	
3100	3-3-3-4-4/3-4-4-3-3	3102 Conn
10	4-4-3-3-4/3-3-2-4-3	
20	4-4-4-3-3/4-3-3-2-2	
30	2-2-2-2-2/2-2-3-3-3	3132 Conn
40	3-2-3-2-3/2-3-3-3-4	
50	3-3-2-3-3/4-4-3-5-5	
60	4-3-3-4-4/4-4-4-4-5	3163 Conn
70	5-4-4-4-3/3-3-3-3-3	
80	4-3-4-4-4/4-3-4-4-4	
90	3-3-3-2-3/3-3-2-3-3	3193 Conn
3200	3-3-3-3-2/3-4-3-3-3	
10	2-3-3-3-3/2-2-3-3-2	
20	3-3-2-2-3/3-3-2-1-3	3223 Conn
30	2-2-2-2-3/3-2-2-2-2	
40	2-2-1-2-2/2-2-2-2-2	
50	2-2-2-2-2/2-2-1-2-3	3253 Conn
60	3-2-2-2-3/3-3-2-2-2	
70	2-2-2-2-3/3-3-3-4-3	
80	3-3-3-3-3/3-3-3-3-4	3284 Conn
90	3-3-3-3-3/3-4-3-3-3	
3300	2-3-3-4-4/4-5-6-6-4	
10	6-6-8-6-8/7-7-7-8-8	3314 Conn
20	8-7-6-7/8-10-7-6-8	
30	9-8-8-7-7/7-8-8-9-8	
40	8-8-9-9-8/9-10-9-8-10	

DRILLING TIMESW SW SW
Section 22-34S-3WHerndon Drilling Company
2 SuberaElevation 1194 RB
Sumner County, Kansas

DEPTH	MINUTES	REMARKS
1 1/2 Intervals *****		
3350	9-9-8-9-9/5-5-5-5-6	3356 Trip
60	5-5-5-5-5/5-5-5-5-5	
70	5-5-4-5-5/4-5-5-5-5	3376 Conn
80	4-5-5-5-4/4-4-5-4-4	
90	4-4-4-5-4/4-4-4-5-5	
3400	4-5-5-5-5/5-4-4-4-5	3406 Conn
10	4-4-4-4-5/5-4-5-4-4	
20	5-5-5-5-5/6-6-5-5-6	
30	5-5-5-5-4/5-4-4-5-5	3436 Conn
40	4-4-5-4-5/4-4-5-5-4	
50	4-4-4-4-3/4-3-4-5-5	
60	3-4-4-4-4/4-4-5-4-4	3465 Conn
70	5-5-4-5-5/5-5-4-5-5	
80	5-5-5-5-5/5-6-4-4-4	
90	5-5-4-5-4/5-5-5-5-4	3496 Conn
3500	5-5-4-5-5/5-5-6-4-5	
10	5-5-5-5-6/7-6-6-8-6	
20	5-5-6-5-5/6-6-6-6-5	3525 Conn
30	5-5-6-6-6/5-5-6-4-5	
40	4-5-6-6-5/6-5-5-6-5	
50	5-4-5-2-2/4-4-5-4-6	3554 Conn
60	5-5-7-5-5/6-6-5-4-6	
70	8-5-6-4-6/6-6-7-6-6	
80	5-5-6-6-6/7-6-7-6-4	3585 Conn
90	5-5-6-6-7/6-6-6-5-5	
3600	6-7-7-7-5/6-6-6-6-5	
10	3-4-5-6-7/10-11-12-12-4	3614 Conn
20	3-3-2-23/4-4-3-12-14	3630 Circ & Trip
30	4-4-4-4-5/5-6-6-6-6	
40	6-6-6-6-6/6-6-6-6-7	3645 Conn
50	8-8-7-7-10/10-9-8-10-8	
60	9-9-9-8-10/10-8-7-9-6	
70	6-9-8-8-10/10-10-11-14-9	3675 Conn
80	12-11-10-11-10/13-12-11-12-9	
90	8-7-6-5-5/7-5-6-7-6	

DRILLING TIME

SW SW SW
Section 22-34S-3W

Herndon Drilling Company
2 Subera

Elevation 1194 RB
Sumner County, Kansas

DEPTH	MINUTES	REMARKS
1' Intervals *****		
3700	18-12-11-12-9/8-5-4-5-6	3706 Conn
10	8-5-6-5-5/5-4-5-3-3	
20	4-4-4-3-2/3-3-3-3-5	
30	8-6-6-6-6/6-5-7-4-5	3737 Conn
40	6-6-5-6-5/5-6-5-4-4	
50	4-4-4-5-5/5-4-5-5-5	
60	4-5-4-5-5/5-5-7-6-10	3767 Conn
70	12-13-12-10-12/7-10-12-12-12	
80	12-11-8-9-10/10-11-12-12-12	
90	12-11-10-8-8/7-10-10-9-8	3797 Conn
3800	8-8-8-10-8/7-8-7-10-12	
10	10-12-12-13-13/14-12-13-12-10	
20	10-10-10-13-8/9-8-6-77	3825 Trip, 3828 Conn
30	7-8-8-7-8/7-8-8-8-6	
40	5-6-9-7-6/7-7-10-10-6	
50	7-6-5-6-7/8-8-8-7-8	3858 Conn
60	7-9-9-8-8/7-8-7-8-8	
70	7-8-6-6-5/6-5-4-4-5	
80	3-4-4-5-5/6-6-6-5-5	3889 Conn
90	5-7-7-7-9/7-5-4-4-4	
3900	6-6-6-8-9/7-5-5-4-4	
10	6-5-6-7-7/7-8-10-7-8	3920 Conn
20	8-7-9-7-7/7-7-6-6-8	
30	7-6-5-7-7/9-10-8-8-8	
40	7-7-8-9-9/7-8-8-8-6	3950 Conn
50	8-7-8-8-8/8-8-7-8-8	
60	9-9-9-8-8/10-10-9-9-8	
70	8-10-8-8-8/8-8-8-7-7	
80	7-7-7-8-8/7-7-8-8-8	3981 Conn
90	7-7-7-8-8/8-9-9-8-8	
4000	9-7-7-7-7/7-7-8-8-7	
10	8-8-7-7-8/9-9-10-12-10	
20	8-10-10-11-11/11-11-10-8-10	
30	11-10-12-13-6/6-7-7-6-5	4035 Trip
40	5-6-4-3-4/5-4-4-5-4	4041 Conn

DRILLING TIME

SW SW SW

Herndon Drilling Company

Elevation 1194 RB

Section 22-34S-3W

2 Subera

Sumner County, Kansas

DEPTH	MINUTES	REMARKS
1' Intervals		

4050	4-5-6-6-6/6-6-6-4-5	
60	4-2-5-7-5/4-4-6-5-5	
70	5-5-5-7-6/6-6-6-7-6	4071 Conn
80	6-6-5-5-5/5-5-6-8-6	
90	6-6-5-5-4/4-4-3-3-4	
4100	7-6-6-8-7/6-6-7-7-7	
10	8-8-8-7-6/6-7-8-7-6	
20	6-5-6-6-7/6-7-7-7-7	
30	7-7-7-6-7/9-10-8-10-8	4132 Conn
40	8-8-7-7-8/7-10-9-7-8	
50	7-7-6-6-9/6-6-6-6-6	
60	6-6-5-6-6/5-5-5-5-5	4163 Conn
70	5-4-4-4-5/5-7-6-5-7	
80	7-7-7-8-8/8-10-10-9-7	
90	6-8-6-8-7/7-8-9-11-13	4194 Conn
4200	10-10-11-12-12/10-6-10-10-10	
10	10-10-10-10-10/10-8-8-6-7	
20	8-10-10-9-10/12-12-12-12-10	4224 Conn
30	12-12-12-11-12/12-11-11-8-6	
40	7-7-1-6-8/9-11-12-10-9	
50	7-8-8-11-14/6-6-4-6-4	4253 Trip
60	3-3-2-2-5/5-6-6-6-6	
70	6-5-3-2-3/3-3-4-4-4	
80	5-4-5-6-6/5-6-6-6-6	4286 Conn
90	6-6-5-6-7/7-9-9-7-7	
4300	7-5-6-6-8/9-10-10-7-2	
10	1-1-2-2-2/1-2-2-1-1	4316 Circ
20	2-6-4-3-3/5-5-5-12-18	4325 Circ, DST
30	12-8-5-5-5/20-17-20-13-6	
40	6-7-7-11-13/10-12-9-9-7	4347 Conn
50	7-8-11-18-11/8-10-10-12-15	
60	12-20-16-16-13/14-20-17-22-20	
70	20-18-22-28-25/20-17-7-7-6	4377 Conn
80	7-6-5-5-4/4-6-6-5-5	
90	5-5-5-5-5/4-4-4-3-5	

DRILLING TIMESW SW SW
Section 22-34E-3WHerndon Drilling Company
2 SuberaElevation 1194 RB
Sumner County, Kansas

DEPTH	MINUTES	REMARKS
5' Intervals		
4400	3-4-3-3-3/3-4-3-4-3	4407 Conn
10	4-3-4-4-4/4-3-3-4-4	
20	4-4-6-6-6/14-14-15-15-19	
30	16-15-13-12-15/14-15-15-18-17	4436 Conn
40	19-17-18-14-13/13-12-11-9-10	
50	12-11-7-7-10/8-7-9-8-5	
60	8-9-11-12-8/12-8-9-8-11	4465 Conn
70	1-7-13-6-17/14-20-19-16-16	
80	15-17-15-17-20/23-17-19-20-24	
90	24-26-13-18-10/15-17-14-16-15	4497 Conn
4500	12-13-19-16-15/17-15-20-15-15	
10	15-13-15-17-17/16-15-13-14-12	
20	13-14-14-15-13/12-12-10-11-12	4527 Conn
30	15-15-17-16-15/18-18-18-15-18	
40	16-19-15-20-17/19-24-20-16-15	
50	14-10-14-14-12/20-24-20-15-17	4557 Conn
60	18-20-15-17-18/19-21-35-30-35	
70	8-7-12-10-9/10-9-10-10-10	
80	11-11-12-14-16/14-16-14-16-16	
90	16-15-16-16-16/15-15-16-16-20	4597 Conn
4600	20-20-20-19-20/19-17-21-17-15	
10	15-15-18-17-16/17-18-20-25-20	
20	20-20-25-10-12/12-13-15-16-15	4624 Trip, 2647 Conn
30	15-13-15-14-14/12-12-10-9-9	
40	9-9-9-9-12/16-16-17-16-15	
50	16-16-13-14-22/22-20-18-24-20	4638 Conn
60	14-8-9-7-4/6-6-5-8-9	
70	15-15-13-17-16/13-16-14-18-12	
80	10-18-13-15-13/13-16-11-14-18	4688 Conn
90	16-13-14-14-19/18-8-8-6-6	4697 Trip
4700	4-4-5-5-4/5-4-5-6-6	
10	6-5-5-4-5/4-4-5-5-6	4718 Conn
20	6-11-21-20-20/22-22-16-14-28	
30	22-33-35-15-16/17-13-10-12-11	
40	11-12-40-37	Circ for DST