

Lee Phillips Oil Company
 #1 Watts Estate
 SW SE NE 2-34S-3W
 Sumner Co., Kansas
 Elevation: 1160 RB

			<u>DRILLING TIME</u>	<u>Remarks</u>
<u>From</u>	<u>To</u>	<u>Time</u>		
5' drilling time:				
600-	650	5-4-3-3-4	7-9-4-10-4	
	700	9-7-7-3-4	7-5-4-7-4	
700-	750	3-12-6-13-5	12-15-3-5-3	
	800	2-6-13-8-9	3-5-9-7-7	
800-	850	5-4-6-7-9	13-12-6-5-4	
	900	4-5-4-4-5	5-6-9-11-5	
900-	950	5-6-8-6-4	4-4-4-7-3	
	1000	5-3-8-7-7	7-7-4-7-7	
1000-1050		4-6-6-4-4	5-7-8-7-5	Trip @ 1015
	1100	2-2-2-2-3	5-3-3-9-7	
1100-1150		5-5-4-11-4	5-5-5-7-9	
	1200	4-5-5-5-6	9-11-15-3-6	
1200-1250		14-8-7-7-8	13-13-12-9-16	
	1300	9-14-7-12-19	14-22-15-3-3	Trip @ 1290
1300-1350		5-6-8-12-5	4-3-6-7-4	
	1400	4-5-7-5-8	7-3-3-8-8	
1400-1450		5-7-5-6-5	9-10-11-5-6	
	1500	6-4-4-7-5	5-4-6-6-9	
1500-1550		5-5-6-3-3	3-5-6-6-8	
	1600	9-8-4-5-5	7-6-7-4-6	
1600-1650		7-9-8-9-4	4-4-4-3-3	
	1700	3-4-4-7-5	5-3-2-4-4	
1700-1750		6-3-2-4-6	4-4-8-9-5	
	1800	5-3-5-8-5	4-4-4-4-6	
1800-1850		3-5-4-4-5	3-4-5-4-5	
	1900	4-7-4-4-5	5-7-5-5-6	
1900-1950		4-5-10-6-4	3-5-8-7-6	
	2000	6-7-6-6-8	8-10-7-5-5	Trip @ 1980
2000-2050		7-5-6-5-5	5-7-8-6-4	
	2100	6-6-8-6-7	8-5-6-3-3	
2100-2150		6-4-5-5-9	6-7-5-6-6	
	2200	6-6-6-5-6	7-9-11-7-7	
2200-2250		7-5-3-4-8	3-5-8-9-8	
	2300	8-7-8-6-6	5-6-5-7-6	
2300-2350		9-7-8-5-8	8-8-8-7-5	
	2400	8-10-8-9-8	7-10-9-9-10	

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2400-2450	9-7-8-9-10	8-9-6-7-8	
2500	7-7-8-8-8	9-9-7-7-5	
2500-2550	5-5-6-6-5	5-5-8-5-6	
2600	6-5-2-6-10	8-10-13-5-6	Trip @ 2590
2600-2650	4-3-3-4-3	4-3-3-3-4	
2700	2-3-3-2-4	7-4-4-4-6	
2700-2750	4-9-4-4-3	2-3-4-4-6	
2800	7-6-7-6-5	7-8-8-8-7	
2800-2850	8-11-11-12-8	8-10-9-8-6	
2900	6-7-6-9-8	9-7-9-12-8	
2900-2950	8-6-6-6-6	7-6-6-7-7	
3000	4-6-6-6-6	7-5-6-6-7	

3000-3050	7-6-8-6-8	6-6-8-7-5	
3100	6-6-7-5-7	3-5-5-5-9	
3100-3150	8-4-7-7-7	7-7-6-7-8	
3200	8-8-5-3-4	5-6-5-6-2	
3200-3250	2-3-3-7-12	4-7-7-7-8	Trip @ 3225
3300	7-6-8-5-8	7-8-7-7-8	
3300-3350	7-9-4-4-4	5-5-5-5-4	
3400	4-5-5-6-6	5-5-6-6-5	

1' drilling time:

3400-3410	1-1-1-1-2	1-1-1-1-1	
3420	1-1-1-1-1	1-1-1-1-1	
3430	1-1-1-2-1	1-1-1-1-1	
3440	1-2-1-2-1	1-1-1-1-1	
3450	1-1-1-1-1	1-1-2-1-1	
3460	1-1-1-1-1	1-2-1-1-1	
3470	1-1-1-1-1	1-1-1-1-1	
3480	1-1-1-1-1	1-1-1-2-2	Circ. @ 3475
3490	1-2-2-1-2	1-2-1-1-2	
3500	3-2-2-3-2	2-3-2-3-2	Circ. @ 3495

3500-3510	2-2-2-2-2	3-2-3-2-3
3520	3-3-3-4-3	3-3-4-5-3
3530	3-4-4-3-4	6-4-4-4-4
3540	4-4-4-4-4	5-5-3-2-2
3550	4-3-2-3-2	4-3-3-3-2
3560	3-2-3-3-2	3-2-3-4-5
3570	5-6-6-5-5	7-5-6-6-6
3580	5-6-6-6-6	7-7-7-7-7
3590	7-7-6-8-7	7-7-7-7-8
3600	7-7-6-6-7	8-7-6-7-9

OWLL

3600-3610	8-7-7-8-8	8-5-6-5-5
3620	4-4-6-6-6	8-8-7-3-4
3630	4-4-3-3-3	4-3-2-1-2
3640	2-3-2-3-2	2-3-3-1-3
3650	2-3-2-2-2	3-3-2-2-3
3660	2-2-2-2-2	3-2-2-2-2
3670	2-3-2-1-2	2-1-2-1-1
3680	2-2-2-3-3	3-3-3-2-4
3690	3-4-3-3-3	4-4-3-3-4
3700	4-3-4-4-3	4-3-2-2-1

Circ. @ 3638

3700-3710	1-1-4-3-3	3-3-2-3-2
3720	3-2-3-3-3	2-3-4-3-3
3730	3-4-4-3-3	4-4-3-3-4
3740	4-4-3-4-4	5-4-3-3-4
3750	2-4-3-3-2	3-3-3-3-3
3760	3-2-2-3-2	3-3-3-2-3
3770	3-2-2-3-3	4-3-4-3-4
3780	3-4-3-4-3	4-4-4-4-5
3790	5-5-4-5-4	5-5-5-6-6
3800	7-6-6-5-4	5-5-4-5-4

3800-3810	6-6-5-4-5	5-4-5-3-2
3820	3-4-4-3-3	3-3-4-4-6
3830	5-6-5-6-5	6-5-4-3-3
3840	4-5-5-7-5	3-6-8-8-6
3850	4-5-5-5-5	3-4-3-3-4
3860	5-4-5-5-5	5-5-5-5-5
3870	5-6-5-5-3	5-4-5-4-4
3880	5-4-5-5-5	4-5-4-4-4
3890	6-4-5-4-4	5-4-6-4-3
3900	5-5-3-5-4	5-4-3-4-5

3900-3910	4-4-3-1-2	4-3-3-2-3
3920	3-3-3-3-3	5-5-6-6-5
3930	5-5-5-6-4	5-4-5-6-5
3940	5-6-6-5-5	6-5-6-3-4
3950	4-3-1-2-3	4-4-3-3-4
3960	3-4-4-4-5	4-4-4-3-3
3970	5-2-2-1-2	3-4-4-3-3
3980	5-2-4-3-4	3-3-3-3-3
3990	3-3-3-3-3	3-3-5-3-4
4000	3-4-1-1-3	4-4-4-5-5

Trip @ 3938

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4000-4010	4-5-4-4-5	4-4-4-4-3
4020	4-4-3-4-3	4-4-3-3-2
4030	2-4-2-3-2	2-3-2-3-3
4040	3-4-3-3-3	3-3-4-3-3
4050	3-3-4-3-4	3-3-3-2-3
4060	4-3-2-3-2	2-2-3-3-2
4070	3-2-1-1-3	3-3-4-2-2
4080	3-3-3-3-3	2-2-3-3-3
4090	3-4-4-3-3	2-2-3-3-3
4100	3-3-4-3-2	4-2-5-4-4

4100-4110	4-3-3-2-3	4-3-4-4-3
4120	3-3-2-2-2	2-4-3-3-4
4130	3-2-2-2-2	4-4-3-3-4
4140	4-5-4-4-4	2-4-4-4-4
4150	4-4-4-3-4	5-4-4-3-4
4160	4-3-3-2-3	3-2-2-1-4
4170	4-4-4-3-4	2-3-3-4-4
4180	4-5-4-5-5	5-4-4-5-4
4190	5-4-5-5-4	5-4-4-4-5
4200	4-5-5-4-5	6-5-4-5-4

4200-4210	6-5-5-4-5	6-5-5-5-5
4220	5-5-5-5-5	5-6-7-8-9
4230	10-10-8-11-8	6-7-9-8-11
4240	12-10-13-11-9	9-14-14-12-12
4250	12-12-11-9-12	12-13-10-8-10
4260	10-11-10-10-6	5-7-9-7-11
4270	7-9-9-9-8	8-9-10-9-10
4280	10-12-12-10-4	9-4-7-8-6
4290	2-1-2-1-1	1-1-1-2-1
4300	2-5-6-7-8	7-6-5-5-5

Circ. @ 4235

4300-4310	5-6-7-9-9	8-8-7-10-8
4320	7-8-7-9-7	9-8-8-8-6
4330	8-8-7-7-7	6-8-8-8-6
4340	7-8-9-8-9	10-8-9-8-7
4350	9-8-10-10-10	11-10-10-11-7
4360	9-11-11-10-12	11-10-12-11-9
4370	10-10-9-10-10	13-10-10-8-7
4380	9-8-11-10-10	10-10-10-8-8
4390	7-5-5-5-6	5-4-5-5-5
4400	6-6-6-6-8	8-9-11-9-10

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4400-4410	6-7-7-7-6	7-7-6-6-5	
4420	6-6-6-6-6	7-7-7-6-5	
4430	6-8-7-9-5	8-7-6-8-5	
4440	5-5-3-5-5	6-6-6-6-5	
4450	7-8-8-5-8	8-7-6-7-7	
4460	10-7-9-9-8	10-9-8-8-10	
4470	8-8-7-8-7	7-7-8-9-9	
4480	5-7-8-8-10	9-9-10-7-7	
4490	6-4-5-5-5	4-4-3-5-6	
4500	5-4-4-4-4	3-3-4-4-3	
4500-4510	3-3-4-3-2	3-6-6-6-6	
4520	9-8-8-9-9	11-10-10-10-11	
4530	9-9-9-10-10	9-9-8-8-6	
4540	7-5-6-5-5	8-7-8-18-19	
4550	4-4-4-4-4	4-3-4-4-3	
4560	5-4-4-4-4	4-4-4-4-3	
4570	4-3-3-3-3	3-3-3-3-3	
4580	3-4-3-6-7	7-6-7-5-3	
4590	4-3-3-4-4	4-6-5-7-9	Circ. @ 4590
4600	6-6-7-7-7	8-7-6-7-5	Circ. @ 4600
4600-4610	3-2-3-4-3	4-4-6-3-2	Circ. @ 4605
4620	2-3-2-3-4	9-10-9-8-9	Circ. @ 4612
4630	11-13-12-11-14	11-7-6-5-6	Circ. @ 4623
4630-4639*	10-12-27-34		Circ. @ 4638½*