

COMPANY Leroy Tobias FARM Diers WELL NO. #1
SEC. TWP. RGE. LOC. COUNTY Russell STATE Ks.
CONTRACTOR Shields Drlg. Co. SIZE HOLE 7 7/8" DRILL PIPE 4 1/2"
REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 14"

DATE _____

[illegible]

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2550	1:46		
1	47	1	
2	48	1	
3	50	2	
4	51	1	
5	52	1	
6	53	1	
7	54	1	
8	55	1	
9	58	3	
2560	2:00	2	
1	01	1	
2	02	1	
3	04	2	Conn.
4	09	10	
5	11	1	
6	13	2	
7	14	1	
8	15	1	
9	16	1	
2570	18	2	
1	19	1	
2	20	1	
3	21	1	
4	22	1	
5	24	2	
6	25	1	
7	26	1	
8	27	1	
9	28	1	
2580	29	1	
1	30	1	
2	32	2	
3	33	1	
4	34	1	
5	35	1	
6	36	1	
7	37	1	
8	38	1	
9	39	1	
2590	40	1	
1	42	2	
2	43	1	
3	44	1	
4	46	2	Conn Jet down volume
5	47	3	To mix mud
6	52	2	
7	05	3	
8	07	2	
9	09	2	
2600	11	2	

Leroy Tobias

FARM

Diary

WELL NO. #1

TWP. RGE. LOC.

COUNTY Russell

STATE Ks.

CONTRACTOR

Shields Drilling Co.

SIZE HOLE 7 7/8" DRILL PIPE 4 1/2"

REMARKS:

SIZE PUMP LINERS 6" LENGTH STROKE 14"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2600	3:11	2	
1	13	2	
2	15	2	
3	16	1	
4	18	2	Mix mud
5	19	1	
6	21	2	
7	24	3	
8	26	2	
9	29	3	
2610	30	1	
1	32	2	
2	34	2	
3	36	2	
4	37	1	
5	39	2	
6	40	1	
7	41	1	
8	42	1	
9	43	1	
2620	46	3	
1	49	3	
2	52	3	
3	55	3	
4	58	3	
5	4:02	4	Conn.
6	07	10	3
7	13	3	
8	16	3	
9	19	3	
2630	21	2	
1	24	3	
2	26	2	
3	29	3	
4	32	3	
5	35	3	
6	39	4	
7	42	3	
8	45	3	
9	48	3	
2640	52	4	
1	55	3	
2	58	3	
3	5:01	3	
4	04	3	
5	08	4	
6	11	3	
7	16	5	
8	18	2	
9	20	2	
2650	21	1	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2600	5:21	2	
1	23	2	
2	24	1	
3	26	2	
4	27	1	
5	28	1	
6	32	4	Conn.
7	37	2	
8	40	1	
9	42	2	
2610	45	3	
1	47	3	
2	50	2	
3	51	1	
4	53	2	
5	55	2	
6	59	4	
7	6:03	4	
8	07	4	
9	10	3	
2620	13	3	
1	16	2	
2	20	4	
3	23	3	
4	27	4	
5	30	3	
6	33	3	
7	36	3	
8	38	2	
9	40	2	
2630	43	3	
1	46	3	
2	49	3	
3	52	3	
4	56	4	
5	59	3	Conn. Ser. Rig
6	7:14	18	Mix Mud
7	22	4	
8	26	4	
9	30	4	
2640	33	3	
1	37	4	
2	40	3	
3	42	2	
4	45	3	
5	47	2	
6	48	1	
7	50	2	
8	51	1	
9	52	1	
2650	55	3	

W. Leroy Tobias

FARM Diers

WELL NO. #1

TWP. RGE. LOC.

COUNTY Russell STATE KS

CONTRACTOR Shields Drlg. Co.

SIZE HOLE 7 7/8 DRILL PIPE 4 1/2

REMARKS:

SIZE PUMP LINERS 6 LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2700	7:55		
1	57	2	
2	59	2	
3	8:01	2	
4	05	4	
5	09	4	
6	13	4	
7	17	4	
8	21	4	
9	25	4	
2710	29	4	
1	32	3	
2	36	4	
3	40	4	
4	43	3	
5	46	3	
6	49	3	Conn
7	56	4	Mix Mud
8	05	5	
9	09	4	
2720	14	5	
1	18	4	
2	23	5	
3	27	4	
4	32	5	
5	37	5	
6	42	5	
7	47	5	
8	52	5	
9	57	5	
2730	10:02	5	
1	07	5	
2	12	5	
3	16	4	
4	20	4	
5	24	4	
6	27	3	
7	32	5	Conn
8	35	3	22 25 3
9	39	4	28 3
2740	43	4	30 2
1	48	5	32 2
2	53	5	36 4
3	56	3	41 5
4	59	3	44 3
5	11:02	3	47 3
6	06	4	51 4
7	10	4	56 5 Conn
8	56	4	
9	06	6	
2750	11	5	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2750	11		
1	15	4	
2	18	3	
3	21	3	
4	24	3	
5	27	3	
6	31	4	
7	38	7	
8	45	7	
9	51	6	
2760	56	5	
1	1:01	5	
2	04	3	
3	07	3	
4	09	2	
5	10	1	
6	12	2	
7	15	3	
8	17	2	Conn
9	54	1	
2770	26	2	
1	29	3	
2	32	3	
3	34	2	
4	38	4	
5	42	4	
6	48	6	
7	52	4	
8	56	4	Vis 48-9.8+WT.
9	59	3	W.L. 10.1 - LCM 2#
2780	2:03	4	
1	08	5	
2	12	4	
3	16	4	
4	20	4	
5	24	4	
6	29	5	
7	33	4	
8	38	5	
9	41	3	
2790	45	4	
1	49	4	
2	54	5	
3	58	4	
4	3:01	3	
5	04	3	
6	06	2	
7	10	4	
8	15	5	
9	20	5	Conn w rig pump screen
2800	35	4	

WY Leray Tobias

FARM Dier's

WELL NO. 1

TWP. RGE. LOC.

COUNTY Russell

STATE KS

CONTRACTOR Shields Drilling Co

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2

REMARKS:

SIZE PUMP LINERS 6

LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2800	3:39		
1	43	4	
2	48	5	
3	52	4	
4	56	4	
5	4:00	4	
6	04	4	
7	08	4	
8	12	4	
9	16	4	
2810	20	4	
1	22	2	
2	23	1	
3	27	4	
4	32	5	
5	36	4	
6	41	5	
7	44	3	
8	49	5	
9	52	3	
2820	56	4	
1	5:02	6	
2	07	5	
3	12	5	
4	16	4	
5	18	2	
6	21	3	
7	24	3	
8	27	3	
9	30	3	
2830	33	3	conn
1	39	3	
2	45	3	
3	50	5	
4	54	4	
5	58	4	
6	6:01	3	
7	04	3	
8	06	2	
9	09	3	
2840	12	3	
1	14	2	
2	16	2	
3	20	4	
4	24	4	
5	27	3	
6	29	2	
7	32	3	
8	35	3	
9	38	3	
2850	41	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2850	41		
1	43	2	
2	45	2	
3	47	2	
4	49	2	
5	52	3	
6	55	3	
7	58	3	
8	7:00	2	
9	02	2	vis 44 w+9.8 w110.8
2860	06	4	11.115 2
1	08	2	
2	11	3	conn
3	17	3	
4	21	1	
5	23	2	
6	25	2	
7	26 1/2	1 1/2	
8	28	1 1/2	
9	30	2	
2870	32	2	
1	35	3	
2	38	3	
3	41	3	
4	44	3	
5	48	4	
6	51	3	
7	54	3	
8	56	2	
9	57	1	
2880	59	2	
1	8:00	1	
2	02	2	
3	04	2	
4	07	3	
5	10	3	
6	13	3	
7	16	3	
8	20	4	
9	25	5	
2890	28	3	
1	31	3	
2	33	2	
3	34	1	conn
4	41	1	
5	47	5	
6	54	7	
7	57	3	
8	9:01	4	
9	04	3	
2900	07	3	

NY Leroy Tobias

FARM Dier's

WELL NO. 1

TWP. RGE. LOC.

COUNTY Russell

STATE KS

CONTRACTOR Shields Drilling Co

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2

REMARKS:

SIZE PUMP LINERS 6

LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2900	9:07		
1	10	3	
2	13	3	
3	16	3	
4	20	4	
5	24	4	
6	27	3	
7	30	3	
8	33	3	
9	35	2	
2910	37	2	
1	40	3	
2	43	3	
3	45	2	
4	48	3	
5	53	5	
6	57	4	
7	10:01	4	
8	04	3	
9	08	4	
2920	13	5	
1	18	5	
2	24	6	
3	30	6	
4	36	6	conn. 500 ft. line
5	50:35	5	Vis 42 W-1 2-9
6	58	3	W-1 12.0 LCR 2 1/2"
7	11:00	2	
8	02	2	
9	05	3	
2930	08	3	
1	11	3	
2	15	4	
3	18	3	
4	21	3	
5	23	2	
6	25	2	
7	27	2	
8	29	2	
9	30	1	Max mud
2940	32	2	
1	34	2	
2	36	2	
3	37	2	
4	40	2	
5	42	2	
6	44	2	
7	46	2	APR 18 1990
8	49	3	
9	55	6	
2950	12:02	5	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2950	12:02		
1	31	5	
2	32	5	
3	33	5	
4	37	5	
5	28	6	Conn.
6	34	5	
7	35	4	
8	37	4	
9	38	5	
2960	38	5	
1	40	5	
2	42	5	
3	43	1	
4	48	5	
5	48	5	
6	50	5	
7	51	4	
8	52	6	
9	52	6	
2970	52	6	
1	42	4	
2	46	4	
3	50	4	
4	54	4	
5	59	5	
6	1:04	5	
7	09	5	
8	17	3	W-1 44 W-1 9.8
9	14	2	W-1 10.4 LCR 2 1/2"
2980	19	5	
1	24	5	
2	29	5	
3	34	5	
4	40	6	
5	45	5	
6	53	8	Conn.
7	2:50	4	
8	10	7	
9	16	6	
2990	22	6	
1	28	6	
2	34	6	
3	41	7	
4	46	5	
5	51	5	
6	55	4	
7	59	4	
8	11:03	4	
9	07	4	
3000	11	4	

ANY Leroy Tolins FARM Diers WELL NO. #1
 TWP. RGE. LOC. COUNTY Rock STATE Kc.
 CONTRACTOR Shields Drilling Co. SIZE HOLE 7 1/2" DRILL PIPE 4 1/2"
 REMARKS: SIZE PUMP LINERS 1 1/2" LENGTH STROKE 10"

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3000	4:15	4	
2	18	3	
2	22	4	
4	26	4	
5	31	5	
6	36	5	
7	41	5	
8	47	6	
1	52	5	
2010	57	5	
1	5:02	5	
	07	6	
	13	5	
	18	5	
5	25	7	44 98
6	29	4	10.0 2 1/2
7	32	3	CON
8	37	5	
	49	6	
2020	57	8	
1	6:05	8	
2	10	5	
3	12	2	
4	16	4	
5	20	4	
6	24	4	
7	32	8	
8	38	6	
9	45	7	
2030	53	8	
1	7:01	8	
2	08	7	
3	15	7	
4	24	9	
5	32	8	
6	39	7	
7	47	8	
8	55	8	
9	8:02	7	
2040	09	7	
1	13	4	
2	18	5	
3	24	6	
4	29	5	
5	34	5	
6	37	3	
7	38	1	
8	39	1	Conn. Ser. Rig
9	56:57	1	CLEAN P/S
10	9:02	5	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2050	9:02	5	
1	07	5	
2	13	6	
3	18	5	
4	21	3	
5	1/2	1/2	
6	22	1/2	
7	1/2	1/2	
8	23	1/2	
9	1/2	1/2	
10	24	1/2	
11	1/2	1/2	
12	25	1/2	
13	1/2	1/2	
14	26	1/2	
15	1/2	1/2	
16	27	1/2	
17	1/2	1/2	
18	28	1/2	
19	1/3	1/3	
20	1/3	1/3	
21	29	1/3	
22	1/4	1/4	
23	1/4	1/4	
24	1/4	1/4	
25	1/4	1/4	
26	30	1/4	
27	1/4	1/4	
28	1/4	1/4	
29	1/4	1/4	
30	31	1/4	CONN
2020	36	1/4	
1	1/4	1/4	
2	1/4	1/4	
3	37	1/4	
4	1/4	1/4	
5	42	43/4	
6	48	6	
7	50	6	
8	10:00	6	
9	05	5	
10	11	6	
11	17	6	
12	23	6	
13	29	6	
14	35	6	
15	41	6	
16	48	7	
17	55	7	
18	11:01	6	
19	07	6	
20	13	6	

ANY LEROY TOBIAS

FARM DIERS

WELL NO. 1

C. TWP. RGE. LOC.

COUNTY RUSSELL

STATE KANS

CONTRACTOR SHIELDS DING CO INC. SIZE HOLE 7 1/8

DRILL PIPE 4 1/2

REMARKS:

SIZE PUMP LINERS 6

LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3100	11:13		
1	19	6	
2	26	7	
3	32	6	
4	39	7	
5	45	6	
6	48	3	
7	55	7	
8	59	4	
9	12:06	7	
3110	11	5	Conn.
1	18	5	
2	30	7	Vis 41 - WT. 10.1
3	36	6	W.L. 11.6 - LCM 2#
4	40	4	
5	45	5	
6	49	4	
7	54	5	
8	1:00	6	
9	07	7	
3120	13	6	
1	18	5	
2	23	5	
3	28	5	
4	33	5	
5	39	6	
6	45	6	
7	51	6	
8	57	6	
9	2:04	7	
3130	11	7	
1	20	9	
2	28	8	
3	33	5	
4	36	3	
5	40	4	
6	45	5	
7	48	3	
8	53	5	
9	3:02	9	
3140	07	5	
1	15	8	Conn. - v rig pump screen
2	30	4	
3	39	5	
4	44	5	
5	49	5	
6	54	5	
7	59	5	
8	4:34	5	
9	10	6	
3150	15	5	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3150	4:15		
1	20	5	
2	25	5	
3	30	5	
4	34	4	
5	37	3	
6	40	3	
7	43	3	
8	45	2	
9	46	1	
3160	48	2	
1	49	1	
2	49 1/2	1/2	
3	50	1/2	
4	53	3	
5	57	4	
6	5:01	4	
7	04	3	
8	05	1	
9	06	1	
3170	07	1	
1	10	3	
2	11	1	
3	15	4	Conn.
4	21	4	
5	29	4	
6	33	4	
7	36	3	
8	37	1	
9	39	2	
3180	42	3	
1	46	4	
2	50	4	Vis 41 wt 10.1 + wt 13.0
3	55	5	LCM 2#
4	59	4	
5	6:04	5	
6	09	5	
7	14	5	
8	18	4	
9	20	2	
3190	24	4	
1	30	6	
2	33	3	
3	36	3	
4	39	3	
5	42	3	
6	45	3	
7	49	4	
8	53	4	
9	54	1	
3200	56	2	

ANY Leroy Tobias

FARM Dier's

WELL NO. 1

C. TWP. RGE. LOC.

COUNTY P. 5. 14

STATE KS

CONTRACTOR Shields Drilling Co.

SIZE HOLE 7 7/8

DRILL PIPE 4 1/2

REMARKS:

SIZE PUMP LINERS 6 LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3200	6:56		
1	57	1	
2	58	1	
3	59	1	conn
4	7:05	2	
5	11	4	
6	17	6	
7	22	5	
8	28	6	
9	33	5	
3210	39	6	
1	45	6	
2	50	5	
3	56	6	
4	8:04	8	
5	10	6	
6	16	6	
7	23	7	
8	29	6	
9	36	7	
3220	43	7	
1	49	6	
2	54	5	
3	9:00	6	
4	06	6	
5	11	5	
6	14	3	
7	15	1	
8	20	5	
9	26	6	
3230	32	6	
1	39	7	
2	46	7	
3	51	5	
4	55	4	conn
5	10:00	3	
6	08	5	
7	13	5	
8	18	5	
9	23	5	
3240	28	5	
1	33	5	
2	38	5	
3	42	4	
4	47	5	
5	52	5	
6	56	4	
7	11:01	5	
8	06	5	
9	11	5	
3250	16	5	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3250	11:16		
1	22	6	
2	28	6	
3	33	5	
4	40	7	
5	45	5	
6	50	5	
7	57	7	
8	12:04	7	
9	11	7	
3260	15	4	Wake Cool
1	19	4	
2	22	3	
3	24	2	
4	26	2	Conn. Sect. rig
5	36	3	
6	49	6	
7	51	6	
8	55	4	
9	1:00	5	
3270	05	5	STOP TD
1			
2			
3			
4			
5			
6			
7			
8			
9			
3280			
1			
2			
3			
4			
5			
6			
7			
8			
9			
3290			
1			
2			
3			
4			
5			
6			
7			
8			
9			
3300			