

DRILLING TIME LOG

COMPANY Lee Banks & Ferguson Oil Co. FARM. Fischer WELL NO. 1-32
 LOCATION 1250 FT. FEL 3, 1320' ESL COUNTY Seward STATE Kansas
 TYPE INDICATOR _____ SIZE OF BIT 7 7/8" SIZE OF DRILL PIPE 4 1/2"

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
2500	2501	11:48	50	2		2550	2551	27	28	1	
	02		51	1			52		30	2	
	03		54	3			53		32	2	
	04		7	3			54		35	3	
2505		12:00	3			2555		37	2		
	06		03	3			56		38	1	
	07		6	3			57		41	3	
	08		10	4			58		43	2	
	09		12	2			59		45	2	
2510			13	1		2560		47	2		
	11		14	1			61		49	2	
	12		15	1			62		51	2	
	13	11:16	1		Rig repair 1 hr.		63		52	1	
	14	1:23	2		conn @ 2513 5 min	2564		54	2		
2515			24	1		2565		55	1		
	16		27	3			66		56	1	
	17		29	2			67		58	2	
	18		31	2			68		3:00	2	
	19		2	1			69		02	2	
2520			3	1		2570		04	2		
	21		5	1			71		06	2	
	22		7	2			72		08	2	
	23		8	1			73		10	2	
	24		10	2			74		13	3	
2525			2	2		2575		15	2		
	26		3	1			76		17	2	
	27		4	1			77		3:19	2	
	28		5	1		78	3:41	43	2		Serv. Rig
	29		7	2			79		44	1	
2530			9	2		2580		46	2		
	31		51	2			81		47	1	
	32		53	2			82		50	3	
	33		55	2			83		51	1	
	34		57	2			84		53	2	
2535			58	1		2585		55	2		
	36	2:02	4				86		56	1	
	37		04	2			87		58	2	
	38		05	1			88		4:00	2	
	39		07	2			89		01	1	
2540			09	2		2590		03	2		
	41		11	2			91		06	3	
	42		13	2			92		08	2	
	43		14	1			93		10	2	
	44		16	2			94		12	2	
2545			20	1	OP. Bott 3 min	2595		15	3		
	46		21	1			96		17	2	
	47		22	1			97		19	2	
	48		23	1			98		22	3	
2549			25	2			99		24	2	
2550			27	2		2600		26	2		

DRILLING TIME LOG

COMPANY Lee Banks FARM Fischer WELL NO. 1-32
 LOCATION _____ COUNTY Seward STATE Kansas
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
2600	01	4:24	29	3		2650	2651	6:25½	28	2½	
	02		32	3			52		30½	2½	
	03		34	2			53		32½	2	
	04		37	3			54		34½	2	
2605			39	2			55		36½	2	
	06		42	3			56		38½	2	
	07		45	3			57		41	2½	
	08		47	2			58		44	3	
	09		50	3			59		46	2	
2610	5:00	02	2	2	Conn @ 2609	2660		48½	2½	trip at 2661	
	11	05	3	3			61		57½	9 X	on B.m @ 1003
	12	07	2	2			62	10:00*	13½	9½	
	13	09	2	2			63		18	4½	
	14	10	1	1			64		23½	6½	
	15	12	2	2			65		27½	4	
	16	14	2	2			66		31½	4	
	17	16	2	2			67		35	3½	
	18	18	2	2			68		37	2	
	19	21	3	3			69		40	3	
2620		22	1	1		2670					
	21	24	2	2			71				it
	22	26	2	2			72	11:52	55	3	
	23	27	1	1			73		57	2	
	24	29	2	2			74		59	2	
	25	31	2	2			75		12:00½	1½	
	26	32	1	1			76		02	1½	
	27	34	2	2			77		04	2	
	28	36	2	2			78		06	2	
	29	39	3	3			79		08	2	
2630		41	2	2		2680		19½	2½		
	31	43	2	2			81		12	2½	
	32	44	1	1			82		14½	2½	
	33	46	2	2			83		16	2½	
	34	48	2	2			84		19	2	
	35	50	2	2			85		21	2	
	36	52	2	2			86		22	1	
	37	54	2	2			87		25	3	
	38	56	2	2			88		27	2	
	39	58	2	2			89		29	2	
2640		6:00	2	2		2690		30½	2½		
	41	08	09	1	Conn @ 2640		91		32½	2	
	42		10	1			92		35	2½	
	43		11½	1½			93		37	2	
	44		13½	2			94		38½	1½	
	45		16	2½			95		40	1½	
	46		17½	1½			96		42	2	
	47		19½	2			97		44	2	
	48		21	1½			98		46	2	
	49		23	2			99		48½	2½	
2650			25½	2½		2700		53	3½		

DRILLING TIME LOG

COMPANY Lee Banks FARM Fischer WELL NO. 1-32
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
2700	01	12:53	56 1/2	3 1/2	A.M. 2-18-73	2751	243 243	43	43	1	
2-18-73	02		58 1/2	2				44	44	1	
	03	12:58	1:00	1 1/2	CONN. 2702 JET			45	45	1	
	04		15	3				46	46	1	
	05		17	2				47 1/2	47 1/2	1/2	
	06		19 1/2	2 1/2				48	48	1/2	
	07		22	2 1/2				48 1/2	48 1/2	1/2	
	08		24 1/2	2 1/2				49	49	1/2	
	09		26 1/2	2			2:50 1/2	50 1/2	50 1/2	1 1/2	
2710	10	1:28 1/2	28 1/2	2		2760		51 1/2	51 1/2	1	
	11		30 1/2	2				53 1/2	53 1/2	2	
	12		33	2 1/2				54 1/2	54 1/2	2	
	13		35	2				55	55	1/2	
	14		38	3				56	56	1	
	15	1:40	40	2				58 1/2	58 1/2	2 1/2	
	16		42	2			3:06	3:06	3:06	1 1/2	CONN @ 2765 6 m.
	17		44	2				09	09	1	
	18		46	2				08 1/2	08 1/2	1 1/2	
	19		48	2				10 1/2	10 1/2	2	
	20	1:50	50	2		2770	3:15	13	13	2 1/2	
	21		53	3				15 15	15	2	
	22		55	2				16 1/2	16 1/2	1 1/2	
	23		57	2				19	19	2 1/2	
	24		59	2				21	21	2	
	25	2:01	01	2			3:22	22	22	1	
	26		02	1				23	23	1	
	27		03	1				24	24	1	
	28		04	1				24 1/2	24 1/2	1/2	
	29		05	1				25	25	1/2	
	30	2:06	06	1		2780	3:26	26	26	1	
	31		07	1				27	27	1	
	32		08	1				28	28	1	
	33		10	2				29	29	1	
	34		12	2	CONN @ 2734 7 min	84		29 1/2	29 1/2	1 1/2	
	35	2:21	21	2			3:31	31	31	1 1/2	
	36		22	1				32 1/2	32 1/2	1	
	37		23	1				33 1/2	33 1/2	1	
	38		25	2				34 1/2	34 1/2	1	
	39		26 1/2	1 1/2				35	35	1/2	
	40	2:29	29	2 1/2		2790	3:36	36	36	1	
	41		30 1/2	1 1/2				37	37	1	
	42		32	1 1/2				38 1/2	38 1/2	1 1/2	
	43		33 1/2	1 1/2				40	40	1 1/2	
	44		34 1/2	1				41 1/2	41 1/2	1 1/2	
	45	2:36	36	1 1/2				43	43	1 1/2	
	46		38 1/2	1 1/2				44 1/2	44 1/2	1 1/2	
	47		38 1/2	1 1/2				46 1/2	46 1/2	2	
	48		39 1/2	1			3:58	58	58	1 1/2	CONN @ 2797 JET 10
	49		41	1 1/2			4:00	40	40	2	
2750	242		42	1		2800		01 1/2	01 1/2	1 1/2	

38 MIN

DRILLING TIME LOG

COMPANY Lee Banks FARM Fisher WELL NO. #1
 LOCATION Fisher COUNTY SEWARD STATE KANSAS
 TYPE INDICATOR MARTIN + DECKER SIZE OF BIT 7 7/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
2800	01	40 1/2	40 3/2	2		2851	51	54 1/2	49 1/2	2 1/2	
	02		05 1/2	2			52		52	2 1/2	
	03		06 1/2	1			53		54	2	
	04		08 1/2	2			54		56 1/2	2 1/2	
	05		10	1 1/2			55		59 1/2	3	
	06		11 1/2	1 1/2			56	602	602	2 1/2	
	07		13 1/2	2			57		05	3	
	08		15	1 1/2			58		07	2	
	09		16 1/2	1 1/2			59		09	2	CONN @ 2860 - SET 19'
2810	10	418	18	1 1/2		2860	60		02	3	
	11		19	1			61		2 1/2	2 1/2	
	12		20 1/2	1 1/2			62		34	2 1/2	
	13		22 1/2	2			63		36	2	
	14		24 1/2	2			64		38	2	
	15		27	2 1/2			65		40	2	
	16		28	1			66		42	2	
	17		29 1/2	1 1/2			67		45	3	
	18		31	1 1/2			68		47	2	
	19		32	1 1/2			69		49	2	
2820	20	434 1/2	34 1/2	1 1/2		2870	70		51	2	
	21		36 1/2	2			71		53	2	
	22		39	2 1/2			72		55	2	
	23		41 1/2	2 1/2			73	657		2	
	24		43 1/2	2			74		9	2	
	25		46	3			75	7:01		2	
	26		48 1/2	2 1/2			76		3	2	
	27		51	2 1/2			77		5	2	
	28		52 1/2	1 1/2	CONN @ 2825 6 min		78		7	2	
	29	501	501	2 1/2			79		8	1	
2830	30		02 1/2	1 1/2		2880	80		9	1	
	31		05	2 1/2			81		10	1	
	32		07	2			82		11	1	
	33		09	2			83		12	1	
	34		11	2			84		13	1	
	35		13	2			85		15	2	
	36		15	2			86		16	1	
	37		17	2			87		18	2	
	38		19 1/2	2 1/2			88		20	2	
	39		22	2 1/2			89		22	2	
2840	40		24	2		2890	90		26	4	
	41		26 1/2	2 1/2			91		40	2	CONN @ 2890 17 min
	42		28	1 1/2			92		42	2	
	43		30 1/2	2 1/2			93		44	2	
	44		33	1 1/2			94		47	3	
	45		35 1/2	2 1/2			95		9	2	
	46		37 1/2	2			96		50	1	
	47		40	2 1/2			97		2	2	
	48		42	2			98		4	2	
	49		44 1/2	2 1/2			99		6	2	
	50		46	2 1/2		2900	2900		8	2	

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3000	1	1:51	30	1		3050	1 1/2	22	1/2		
	2		35	3			2	23	1		
	3		7	2			3	24	1		
	4		8	1			4	1:26	2		
	5		9	1			5	9	3		
	6		20	1			6	31	2		
	7		40 1/2	1 1/2			7	34	3		
	8		41	1/2			8	7	3		
	9		43	2			9	9	2		
	10		44	1			60	41	2		
	1		45	1			1	44	3		
	2		46	1			2	46	2		
	3		47	1			3	9	3		
	4		47 1/2	1/2			4	57	2		
3015			48	1/2			5	3	2		
	6	11:50	11:50	2	conn @ 3015 (7m)		6	5	2		
	7		9	2			7	7	2		
	8		12:30	3			8	2:00	3		
	9		1	2			9	02	2		
	20		6	2			20	04	2		
	1		9	3			1	06	2		
	2		11	2			2	7	1		
	3		13	2			3	9	2		
	4		15	2			4	10	1		
	5		17	2			5	11	1		
	6		20	3			6	12	1		
	7		22	2			7	107	1	conn @ 3017 (6m)	
	8		23	1			8	20	1		
	9		25	2			9	21	1		
	30		27	2			30	22	1		
	1		29	2			1	3	1		
	2		31	2			2	4	1		
	3		34	3			3	5	1		
	4		37	3			4	6	1		
	5		40	3			5	27	1		
	6		43	3			6				
	7		46	3			7				
	8		48	2			8				
	9		52	4			9				
	40		55	3			40				
	1		58	3			1				
	2		1:00	2			2	30	1		
	3		02	2			3	30	1		
	4		4	2			4	3	2		
	5		7	3			5	4	1		
	6		9	2			6	6	2		
	7		18	4	conn @ 3046 5m		7	7	1		
	8		20	2			8	8	1		
	9		21	1			9	9	1		
3050			2 1/2	1/2			3/00	2:4	1	2	

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3100	1	2:41	3	2		3150	1	25	26	1	
	2		5	2			2		28	2	
	3		49	4			3		30	2	
	4		51	2			4		32	2	
	5		55	4			5		35	3	
	6		57	2			6		37	2	
	7		3:00	3			7		39	2	
	8		02	2			8		43	4	
	9	11	12	1	Conn@ 3108		9		45	2	
	10		14	2			10		47	2	
	1		16	2			1		50	3	
	2		18	2			2		56	6	
	3		20	2			3		59	3	
	4		22	2			4		6:01	2	
	5		25	3			5		03	2	
	6		27	2			6		04	1	
	7		29	2			7		05	1	
	8		31	2			8		10	5	
	9		33	2			9		12	2	
	20		36	3			20		15	3	
	1	52	55	3	Jet # 24.3 Fly		1		17	2	
	2		58	3			2	24	25	1	Conn@ 3171
	3		4:01	3			3		27	2	
	4		04	3			4		30	3	
	5		06	2			5		33	3	
	6		09	3			6		35	2	
	7		11	2			7		37	2	
	8		14	3			8		39	2	
	9		17	3			9		41	2	
	30		19	2			30		43	2	
	1		21	2			1		44	1	
	2		24	3			2		46	2	
	3		27	3			3		48	2	
	4		31	4			4		50	2	
	5		33	2			5		52	2	
	6		35	2			6		54	2	
	7		38	3			7		57	3	
	8		42	4			8		59	2	
	9		46	4			9		7:01	2	
	90	58	5:01	3	Conn@ 3139		90		03	2	
	1		03	2			1		05	2	
	2		05	2			2		08	3	
	3		07	2			3		10	2	
	4		10	3			4		12	2	
	5		13	3			5		14	2	
	6		16	3			6		16	2	
	7		18	2			7		18	2	
	8		20	2			8		21	3	
	9		22	2			9		23	2	
3150			25	3			3200		24	2	

DRILLING TIME LOG

COMPANY Lee Banks FARM. Fisher WELL NO. 1
 LOCATION N. Liberal COUNTY Seward STATE Ks.
 TYPE INDICATOR A.D. SIZE OF BIT 7 7/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3200	01	7:24	25	1		3250	51	12	14	2	
	02		26	1			52		16	2	
	03		29	3			53		18	2	
	04	46	49	3	Conn set #1 @ 3205		54		21	3	
	05		52	3			55		23	2	
	06		55	3			56		24	1	
	07		58	3			57		27	3	
	08		8:00	2			58		29	2	
	09		01	1			59		32	3	
3210			03	2		3260			34	2	
	11		06	3			61		36	2	
	12		08	2			62		40	4	
	13		12	4			63		43	3	
	14		14	2			64		46	3	
	15	8:04	05	1	Change Chart		65		48	2	
	16		07	2	CORR. Clock		66		51	3	
	17		08	1			67	59	10:01	2	CONN @ 3266
	18		09	1			68		04	3	
	19		10	1			69		07	3	
3220			11	1		3270			09	2	
	21		13	2			71		11	2	
	22		15	2			72		12	1	
	23		17	2			73		14	2	
	24		18	1			74		16	2	
	25		20	2			75		18	2	
	26		21	1			76		20	2	
	27		22	1			77		21	1	
	28		24	2			78		23	2	
	29		25	1			79		25	2	
3230			26	1		3280			27	2	
	31		27	1			81		29	2	
	32		28	1			82		31	2	
	33		31	3			83		33	2	
	34		33	2			84		35	2	
	35	39	42	3	CONN @ 3234		85		37	2	
	36		44	2			86		39	2	
	37		45	1			87		41	2	
	38		46	1			88		43	2	
	39		47	1			89		45	2	
3240			50	3		3290			47	2	
	41		53	3			91		49	2	
	42		55	2			92		51	2	
	43		57	2			93		53	2	
	44		9:00	3			94		55	2	
	45		02	2			95		57	2	
	46		04	2			96	11:00	11:00	3	
	47		07	3			97		02	2	CONN 3297 7 min
	48		09	2			98		12	3	
	49		11	2			99		13	1	
3250			12	1		3300			15	2	

DRILLING TIME LOG

COMPANY Lee Banks FARM. _____ WELL NO. 1
 LOCATION Fisher COUNTY Seward STATE KANSAS
 TYPE INDICATOR Martin + Deckard OF BIT 7/8 .SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3300	01	1118	17	2		3350	51	1228	30	2	
	02		18	1			52		32	2	
	03		20	2			53		35	3	
	04		21	1			54		37	2	
	05		22	1	/		55		38	1	/
	06		23	1			56		39	1	
	07		24	1			57		40	1	
	08		21	1			58		41	1	
	09		26	1			59		42	1	
3310	10		27	1	/	3360	60		43	1	CONN@3360 6 min
	11		29	2			61		50	1	
	12		30	1			62		51	1	
	13		31	1			63		52	1	
	14		32	1			64		58	1	
	15		33	1	/		65		55	2	/
	16		33 1/2	1/2			66		57	2	
	17		34	1/2			67		58	1	
	18		35	1			68	100	100	2	
	19		35 1/2	1/2			69		02	2	
3320	20		35 3/4	1/4	/	3370	70		04	2	/
	21		36	1/4			71		07	3	
	22		36 1/4	1/4			72		09	2	
	23		36 1/2	1/4			73		11	2	
	24		36 1/2	1/5			74		13	2	
	25		37	1/2	/		75		16	3	/
	26		39	2			76		18	2	
	27		41	2			77		21	3	
	28		41 1/2	1/2			78		23	2	
	29		43	1 1/2	CONN@ 3329 7 min		79		25	2	
3330	30		52	2	/	3380	80		28	3	/
	31		54	2			81		30	2	
	32		56	2			82		33	3	
	33		57	1			83		36	3	
	34		59	2			84		37	1	
	35	1200	1200	1	/		85		38	1	/
	36		02	2			86		40	2	
	37		03	1			87		41	1	
	38		05	2			88		42	1	
	39		07	2			89		44	2	
3340	40		08	1	/	3390	90		46	2	/
	41		10	2			91		49	3	
	42		12	2			92		52	3	CONN 3392 7 min
	43		14	2			93	201	01	2	
	44		15	1			94		03	2	
	45		17	2	/		95		05	2	/
	46		19	2			96		06	1	/
	47		21	2			97		08	2	
	48		23	2			98		10	2	
	49		24	3			99		12	2	
3350	50		28	2		3400	3400		13	1	

DRILLING TIME LOG

COMPANY Lee Banks FARM. _____ WELL NO. 1
 LOCATION Fisher COUNTY Seward STATE KANSAS
 TYPE INDICATOR Martin + Decker SIZE OF BIT 7/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3400	01	213	14	1		3450	51	347	47 1/2	1/2	
	02		16	2			52		48	1/2	
	03		17	1			53		48 1/2	1/2	CONN @ 3453 8 m
	04		20	3			54		59	3 1/2	
	05		22	2	—		55	359	402	3	—
	06		23	2			56	405	05	3	
	07		25	2			57		08	3	
	08		24	1			58		10	2	
	09		28	2			59		12	2	
3410	10		30	2	—	3460	60		14	2	—
	11		32	2			61		17	3	
	12		34	2			62		19	2	
	13		34	2			63		21	2	
	14		38	2			64		23	2	
	15		39	1	—		65		25	2	—
	16		40	1			66		27	2	
	17		42	2			67		29	2	
	18		43	1			68		30	1	
	19		43 1/2	1/2			69		32	2	
3420	20		44	1/2	—	3470	70		34	2	—
	21		45	1	CONN @ 3421 5 min		71		35	1	
	22		52	2			72		37	2	
	23		53	1			73		39	2	
	24		54	1			74		42	3	
	25		54	2	—		75		45	3	—
	26	258	58	2			76		47	2	
	27	301	01	3			77		49	2	
	28		02	1			78		52	3	
	29		04	2			79		55	3	
3430	30		04	2	—	3480	80		57	2	—
	31		08	2			81		58	1	
	32		10	2			82		59	1	
	33		12	2			83	500	60	1	
	34		14	2			84		01	1	correct Geo 1'
	35		16	2	—		85		09	2	CONN @ 3485 6 m
	36		18	2			86		09	2	
	37		20	2			87		10	1	
	38		22	2			88		11	1	
	39		24	2			89		12	1	
3440	40		25	1	—	3490	90		13	1	—
	41		27	2			91		15	2	
	42		30	3			92		17	2	
	43		32	2			93		18	1	
	44		34	2			94		20	2	
	45		36	2	—		95		22	2	—
	46		38	2	—		96		23	1	—
	47		41	3			97		24	1	
	48		43	2			98		26	2	
	49		45	2			99		28	2	
3450	50		47	2		3500	3500		29	1	

DRILLING TIME LOG

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COMPANY Lee Banks FARM. _____ WELL NO. 1
 LOCATION Fisher COUNTY Seward STATE KANSAS
 TYPE INDICATOR Martin + Decker SIZE OF BIT 7/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3500	01	529	31	2		3550	51	648	49	1	
	02		32	1			52		50	1	
	03		34	2			53		51	1	
	04		36	2			54		52	1	
	05		38	2			55		53	1	
	06		40	2			56		54	1	
	07		43	3			57		55	1	
	08		46	3			58		56	1	
	09		48	2			59		56	1	
3510	10		49	1		3560	60	7:00	7:00	1	Set Clock
	11		50	1			61				
	12		51	1			62				
	13		51 1/2	1/2			63				
	14		52	1/2			64				
	15		53	1			65				
	16		54	1	CONN @ 3516 5 min		66				
	17	6:01	6:01	2			67				
	18		02	1			68				
	19		05	3			69				
3520	20		08	3		3570	70				
	21		10	2			71				
	22		12	2			72				
	23		14	2			73				
	24		16	2			74				
	25		18	2			75				
	26		19	2			76				
	27		20	1			77				
	28		21	1			78				
	29		23	1			79				
3530	30		24	1		3580	80				
	31		25	1			81				
	32		26	1			82				
	33		27	1			83				
	34		27 1/2	1/2			84				
	35		28	1/2			85				
	36		29	1			86				
	37		30	1			87				
	38		31	1			88				
	39		32	1			89				
3540	40		32 1/2	1/2		3590	90				
	41		33	1/2			91				
	42		34	1			92				
	43		35	1			93				
	44		36	1			94				
	45		37	1			95				
	46		38	1			96				
	47		39	1	Correct Rec 2'		97				
	48		40	1	CONN @ 3548 5 min		98				
	49		47	2			99				
3550	50		48	1		3600	3600				

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3600	01					3650	51			2 1/2	
							2			3 1/2	
							3			8 1/2	
							4			5 1/2	
							55			3 1/2	
							6			2	
							7			3	
							8			4	
							9			3 1/2	
	10						100			1/2	
				1/2			1			1/2	
							2			1/2	
							3			1/2	
							4			1	
							65			1/2	
							6			1/2	
							7			1/2	
							8			1/2	
							9			1/2	
							70			1/2	
							1			3/4	
							2			1	
							3			2 1/2	
							4			6	
							75			2	
							6			2	
							7			1	
							8			1/2	
							9			1	
	30						80			1/2	
							1			1/2	
							2			1/2	
							3			1/2	
							4			1/2	
	35			1/2			85			1/2	
				1/2			6			2	
				1/2			7			2 1/2	
				2			8			3	
				1 1/2			9			4	
	40			1			90			X	
				1			1			2 1/2	
				1/2			2			2	
				1/2			3			2 1/2	
				1/2			4			2 1/2	
	45			1/2			95			2 1/2	
				1			6			3	
				1 1/2			7			4	
				1			8			4	
				2			9			3	
3649	50			1 1/2		3699	3890			3	

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4000

DRILLING TIME LOG

COMPANY _____ FARM. _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3700	01			3		3750	51			2	
	2			1 1/2			2			3 1/2	
	3			1 1/2			3				
	4			1			4				
	05			1			55				
	6			3			6				
	7			3 1/2			7				
	8						8				
	9						9				
	10						60				
	11						1				
	12						2				
	13			2			3				
	14			3			4				
	15			2 1/2			65				
	16			2			6				
	17			2			7				
	18			3 1/2			8				
	19			3			9				
	20			2			70				
	1			2			1				
	2			2			2				
	3			2 1/2			3				
	4			3			4				
	25			2 1/2			75				
	6			2 1/2			6				
	7			2 1/2			7				
	8			2 1/2			8				
	9			2 1/2			9				
	30			2 1/2			80				
	1			2			1				
	2			2			2				
	3			1 1/2			3				
	4			1 1/2			4				
	35			3			85				
	6			1 1/2			6				
	7			2			7				
	8			2			8				
	9			2			9				
	40			2 1/2			90				
	1			2			1				
	2			3			2				
	3			2 1/2			3				
	4			2			4				
	45			2			95				
	6			2			6				
	7			6			7				
	8			5			8				
	9			2 1/2			9				
3749	3750			1		3799	3800				

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
						3752	57	27	29	2	
							2		33	4	
							3		38	5	
							4		44	6	
							55		45	1	
							6		48	3	
							7		52	4	
							8		57	5	
							9		7:03	6	
							60		09	6	
							1		14	5	
							2		22	8	
							3		26	4	
							4		30	4	
							65		33	3	
							6		37	4	
							7		43	6	
							8	49	52	3	Conn @ 3767
							9		55	3	
							70	8:01	06	5	Change Charts
							1		11	5	Corr. Clock
							2		15	4	
							3		19	4	
							4		22	3	
							75		25	3	
							6		32	7	
							7		37	5	
							8		42	5	
							9		45	3	
							80		48	3	
							1		52	4	
							2		55	3	
							3		59	4	
							4		7:03	4	
							85		07	4	
							6		10	2	
							7		16	4	
							8		18	2	
							9		22	4	
							90		25	3	
							1		28	3	
							2		32	4	
							3		38	6	
							4		43	5	
							95		46	3	
							1		48	2	
							7		52	4	
							8		56	4	
							9	10:01	03	2	Conn @ 3798
						3799	3800		06	2	

DRILLING TIME LOG

COMPANY Lee Banks FARM. _____ WELL NO. 1
 LOCATION Fisher COUNTY Seward STATE KANSAS
 TYPE INDICATOR Martin + Decker SIZE OF BIT 7 3/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3800	01	10:06	08	2		3850	51				
	02		11	3			52				
	03		14	3			53				3832
	04		17	3			54				TO
	05		19	2	—		55				3860
	06		22	3			56				10 min
	07		24	2			57				
	08		26	2			58				
	09		29	3			59				
3810			31	2	—	3860		46			CONN @ 3860 6 min
	11		33	2			61				
	12		37	2			62				
	13		39	2			63				
	14		43	4			64				
	15		45	1	—		65				
	16		48	3			66				
	17		50	2			67				
	18		53	3			68				3860
	19		54	3			69				
3820			59	3	—	3870					
	21	1059	1102	3			71				TO
	22		05	3			72				
	23		08	3			73				
	24		12	4			74				3892
	25		16	4	—		75				
	26		19	3			76				
	27		22	3			77				
	28		23	1	check Air Comp		78				
	29		25	2	CONN @ 3829 7 min		79				
3830			33	1	—	3880					8 MINUTES
	31		35	2			81				
	32		36	1			82				
	33						83				
	34						84				
	35						85				
	36						86				
	37						87				3832
	38						88				TO
	39						89				3860
3840						3890					
	41						91				10 min
	42						92	1152	52		CONN @ 3892 5 min
	43						93				
	44						94				3892
	45						95				TO
	46						96				3922
	47						97				11 MINUTES
	48						98				
	49						99				
3850						3900					

DRILLING TIME LOG

COMPANY Lee Banks FARM. _____ WELL NO. 1
 LOCATION Fisher COUNTY Seward STATE KANSAS
 TYPE INDICATOR MARTIN + Decker SIZE OF BIT 7/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
3900	1					3950	51	B/29	32	3	1' correction loss
	2						52				CONN @ 3952 5 min
	3				3892		53		42	5	
	4				TO		54		46	4	
	5						55		49	3	
	6						56		53	4	
	7				3922		57		57	4	
	8						58	2:00	2:00	3	
	9				11 min		59		04	4	
3910	10					3960	60		07	3	
	11						61		11	4	
	12						62		14	3	
	13						63		17	4	
	14						64		22	5	
	15						65		26	4	
	16						66		30	4	
	17						67		34	4	
	18						68		37	3	
	19						69		43	6	
3920	20					3970	70		47	4	
	21						71		53	6	
	22		11:17		CONN @ 3922 6 min		72	2:57	57	4	
	23						73	3:01	01	4	
	24						74		05	4	
	25						75		11	6	
	26		1 1/2 min				76		16	5	
	27						77		21	5	
	28	-	24	1			78		25	4	
	29		25	1			79		29	4	
3930	30		26	1		3980	80		34	5	
	31		27	1			81		40	6	
	32		28	2			82		45	5	
	33		30	2			83		52	7	CONN @ 3983 23 min
	34		32	2			84	4:18	18	3	CONN @ 3984
	35		34	2			85		22	4	
	36		36	2			86		26	4	
	37		41	5			87		29	3	
	38		45	4			88		33	4	
	39		49	4			89		37	4	
3940	40		53	4		3990	90		41	4	
	41		56	3			91		44	3	
	42	12:59	59	3			92		46	2	
	43	1:03	03	4			93		50	4	
	44		06	3			94		55	5	
	45		09	3			95	8:00	5:00	5	
	46		13	4			96		05	5	
	47		16	4			97		09	4	
	48		20	4			98		14	5	
	49		23	3			99		18	4	
3950	50		29	6		4000	4000		22	4	

DRILLING TIME LOG

COMPANY Lee Banks FARM. _____ WELL NO. 1
 LOCATION Fisher COUNTY Seward STATE KANSAS
 TYPE INDICATOR MARTIN & Decker SIZE OF BIT 7 7/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4000	1	5:22	26	4		4050	51	8:29	31	2	
	2		29	3			52		33	2	
	3		32	3			53		35 1/2	2 1/2	
	4		34	4			54		37 1/2	2	
	5		40	4			55		39 1/2	2	
	6		43	5			56		41 1/2	2	
	7		51	6			57		43	1 1/2	
	8		56	5			58		45 1/2	2 1/2	
	9		59	3			59		48	2 1/2	
4010	10	6:01	6:01	2		4060	60		50	2	
	11		05	4			61		52 1/2	1 1/2	
	12		09	4	CONN @ 4012 11 MIN		62		54 1/2	2	
	13		24	4	AIR PUMP OUT		63		56 1/2	2	
	14		27	3			64		59 1/2	3	
	15		33	6			65		9:01	1 1/2	
	16		37	4			66		03	2	
	17		41	4			67		05 1/2	2 1/2	
	18		45	4			68		07 1/2	2	
	19		48	3			69		10 1/2	3	
4020	20		52	4		4070	70		13	2 1/2	CALL Bill Anderson
	21		55	3			71		16	3	
	22		7:00	5			72		18 1/2	2 1/2	
	23		03	3			73		20 1/2	2	
	24		7	4			74		22 1/2	2	
	25		10	3			75		25 1/2	3	
	26		14	4			76		39 1/2	5	
	27		18	4			77		42 1/2	3	
	28		22	4			78		43 1/2	1	
	29		25	3			79		45 1/2	2	
4030	30		27	2		4080	80		47 1/2	2	
	31		30	3			81		48 1/2	1	
	32		33	3			82		50	1 1/2	
	33		37	4			83		52	2	
	34		40	3			84		53 1/2	1	
	35		42	2			85		56	2 1/2	
	36		45	3			86		58	2	
	37		48	3			87		10:00	2	
	38		52	4			88		02	2	
	39		55	3			89		07	5	
4040	40		58	3		4090	90		10	3	
	41		8:00	2			91		12 1/2	2 1/2	
	42		01 1/2	1 1/2			92		15 1/2	3	
	43		04	2 1/2			93		17 1/2	2	
	44		08	4	Conn.		94		20 1/2	3	
	45		8:19	1 1/2			95		24 1/2	4	
	46		20 1/2	1 1/2			96		27	2 1/2	
	47		23 1/2	2			97		29 1/2	2 1/2	
	48		24 1/2	2			98		32	2 1/2	
	49		27	2 1/2			99		35	3	
4050	50		29	2		4100	4100		38	3	

If I don't call,
 keep drilling.
 Listen for my
 call. Bill A

2 1/2

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4100	01		10:53	2 1/2		4150	51	45	53	8	
	02		57	4			52		59	6	
	03		59 1/2	2 1/2			53		6:05	6	
	04		11:08	3 1/2			54		09	4	
	05		06 1/2	3 1/2			55		14	5	
	06		09 1/2	3			56		17	3	
	07		14 1/2	5	Conn. 4107		57		22	5	
	08		26 1/2	6 1/2			58		25	3	
	09		31	4 1/2			59		30	5	
	10		34	3			4160		34	4	
	11		36 1/2	2 1/2			61		38	4	
	12		41	4 1/2			62		40	2	
	13		44 1/2	3 1/2			63		41	1	
	14		47 1/2	3			64		43	2	
	15		51	3 1/2			65		45	2	
	16		53 1/2	2 1/2			66		46	1	
	17		56 1/2	3			67		47	1	
	18		12:01	4 1/2			68		49	2	
	19		03	2			69		51	2	
	20		06	3			4170	58	701	8	Conn @ 4169
	21		08 1/2	2 1/2			71	06	09	3	Change Chart
	22		10 1/2	2			72		09	3	# Core Black
	23		13 1/2	3			73		12	4	
	24		15 1/2	2			74		20	4	
	25		17	1 1/2			75		20	4	
	26		19	2			76		29	5	
	27		20	1			77		33	4	
	28		21 1/2	1 1/2			78		37	4	
	29			1	Recorder Not in		79		40	3	
	30		19	1			4180		42	2	
	31		21	2			81		44	2	
	32		23	2			82		46	2	
	33		25	2			83		48	2	
	34		27	2			84		50	2	
	35		29	2			85		52	2	
	36		31	2			86		54	2	
	37		35	4			87		59	5	
	38		46	11			88		9:03	4	
	39	53	58	2	Conn @ 4138		89		07	4	
	40		59	4			4190		10	3	
	41		1:05	6			91		13	3	
	42		12	7			92		17	4	
	43		14	2			93		20	3	
	44		18	4			94		23	3	
	45		24	6			95		28	5	
	46		27	3			96		30	2	
	47		30	3			97		33	3	
	48		33	3			98		36	3	
	49		41	8			99		40	4	
	50		45	4			4200		43	3	

14

DRILLING TIME LOG

COMPANY Lee BANKS FARM. _____ WELL NO. 1
 LOCATION Fisher COUNTY Seward STATE KANSAS
 TYPE INDICATOR MARTIN + Decker SIZE OF BIT 7 7/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4200	01	56	58	2		4250	51	1237	41	4	
	02		10:02	4			52		44	3	
	03		04	2			53		47	3	
	04		07	3			54		50	3	
	05		11	4	✓		55		54	4	✓
	06		15	4			56		57	3	
	07		16	1			57		59	2	
	08		19	3			58	101	01	2	
	09		20	1			59		4	3	
4210			21	1	✓	4260	60		7	3	
	11		22	1			61		10	3	Correct Gas 1
	12		26	4			62			3	CONV @ 4262 24
	13		30	4			63		36	2	
	14		33	3			64		39	3	
	15		38	5	✓		65		42	3	✓
	16		41	3			66		45	3	
	17		45	4			67		48	3	
	18		53	8			68		50	2	
	19		55	2			69		52	2	
4220			59	4	✓	4270	70		54	2	✓
	21	1101	01	2			71		57	3	
	22		06	4			72		59	2	
	23		09	3			73	201	01	2	
	24		11	2			74		03	2	
	25		12	1	✓		75		04	2	✓
	26		13	1			76		08	4	
	27		14	1			77		11	3	
	28		15	1			78		13	2	
	29		17	2			79		15	2	
4230			19	2	✓	4280	80		17	2	✓
	31		20	1	CONV @ 4251 8M		81		19	2	
	32		32	4			82		22	3	
	33		35	3			83		24	2	
	34		41	6			84		27	3	
	35		46	5	✓		85		29	2	✓
	36		49	3			86		31	2	
	37		53	4			87		34	3	
	38		57	4			88		37	3	
	39	201	01	4			89		40	3	
4240			05	4	✓	4290	90		43	3	✓
	41		8	3			91		45	2	
	42		11	3			92		49	4	CONV @ 4292 6
	43		18	3			93	301	57	2	
	44		17	3			94	302	02	5	
	45		21	4	✓		95		04	4	✓
	46		24	3			96		10	4	
	47		27	3			97		14	4	
	48		29	2			98		17	3	
	49		33	4			99		20	3	
4250			37	4	✓	4300	4300		22	2	✓

Conn 4419

DRILLING TIME LOG

COMPANY Lee Banks FARM. _____ WELL NO. 1
 LOCATION Fisher COUNTY Seward STATE KANSAS
 TYPE INDICATOR MARTIN + Decker SIZE OF BIT 7 7/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4300	1	322	26	4		4350	51	322	26	4	
	2		19	3			52		29	3	
	3		32	3			53		32	3	
	4		36	4			54		35	3	JET 7 MIN
	5		39	3			55		44	2	
	6		42	3			56		47	3	CONN @ 4356 7
	7		46	4			57		59	5	
	8		49	3			58		7:02	5	
	9		53	4			59		07	4	
4310	10		55	2		4360	60		11	4	
	11		59	4			61		15	4	
	12		4:03	4			62		17	2	
	13		07	3			63		20	3	
	14		08	1			64		21	1	
	15		09	1			65		22	1	
	16		10	1			66				
	17		11	1			67				
	18		15	4			68				
	19		20	5			69				
4320	20		25	5		4370	70				
	21		29	4			71				
	22		33	4			72				
	23		37	4			73				
	24		45	8	CONN 4324 6 min		74				
	25		57	6			75		27		
	26		59	2			76		28	1	
	27		5:02	3			77		20	2	
	28		06	4			78		33	3	
	29		10	4			79		36	2	
4330	30		13	3		4380	80		38	2	
	31		15	2			81		41	3	
	32		17	2			82		43	2	
	33		22	5			83		47	4	
	34		27	5			84		49	2	
	35		31	4			85		52	3	
	36		34	3			86		55	3	
	37		37	3			87		R.O.3	3	Conn rat time 5 min
	38		40	3			88		4	1	
	39		44	4			89		6	2	
4340	40		49	5		4390	90		9	3	
	41		54	5			91		12	3	
	42		57	3			92		14	2	
	43	601	01	4			93		16	2	
	44		06	5			94		18	2	
	45		11	5			95		19	1	
	46		14	3			96		21	2	
	47		17	3			97		22	1	
	48		18	1			98		23	1	
	49		20	2			99		24	1	
4350	50		22	2		4400	4400		25	1	

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4400		8:25		1		4450	51	10:06	8	2	
1		24		1			2		9	1	
2		28		2			3		11	2	
3		29		1			4		13	2	
4		30		1			5		15	2	
5		32		2			6		18	3	
6		34		2			7		21	3	
7		36		2			8		23	2	
8		38		2			9		25	2	
9		40		2			60		27	2	
4410		42		2			1		30	3	
11		43		1			2		3	3	
12		44		1			3		5	2	
13		45		1			4		7	2	
14		45 1/2		1/2			5		9	2	
15		46		1/2			6		42	3	
16		47		1			7		5	3	
17		47 1/2		1/2			8		8	3	
18		48		1/2			9		50	2	
19		8:49		1	Cont 6 min cont 4418		70		1	1	
4420		50 59		4			1		2	1	
1				2			2		3	1	
2				2			3		5	2	
3				4			4		6	1	
4				5			5		7	1	
5				7			6		8	1	
6				8			7	11:00		2	
7				9			8		02	2	
8				9 1/2			9		5	3	
9				10			80		7	2	
30				11			1		10	3	
1				11 1/2			2		19	4	cont 4481 (5 min)
2				12			3		21	2	
3				13			4		3	2	
4				14			5		6	3	
5				15			6		9	3	
6				23			7		31	2	
7				24			8		33	2	
8				25			9		6	3	
9				28			9 1/2		8	2	
40				30			1		40	2	
1				2			2		1	1	
2				5			3		3	2	
3				7			4		5	2	
4				40			5		7	2	
5				3			6		8	1	
6				5			7		50	2	
7				8			8		1	1	
8				50			9		4	3	
9				4			4500		8	4	

4450 10:06 2 cont. 4449 (5 min) 5 min

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4500	01	11:58	12:02	4		4580	84	2:00	2:05	5	
	2		5	3			57		08	3	
	3		8	3			53		10	2	
	4		13	5			54		13	3	
	5		16	3			55		18	5	
	6		20	4			56		22	4	
	7		2	2			57		26	4	
	8		4	2			58		30	4	
	9		6	2			59		34	4	
	10		8	2			60		38	4	
	11		30	2			61		43	5	
	12		4	4	Conn @ 4512 5 min		62		46	3	
	12	2:43	4	4			63		49	3	
	4		5	2			64		51	2	
	5		6	1			65		55	4	
	6		8	2			66		3:01	6	
	7		9	1			67		06	5	
	8		50	1			68		08	2	
	9		57	2			69		11	3	
	20		54	2			4570		14	3	
	1		55	1			71		19	5	
	2		55 1/2	1 1/2			72		19	2	
	3		56	1/2			73		24	5	Conn @ 4573
	4		56 1/2	1/2			74	31	35	4	
	5		57	1/2			75		37	2	
	6		57 1/2	1/2			76		42	5	
	7		59	1 1/2			77		45	3	
	8		1:01	2			78		48	3	
	9		02	1			79		51	3	
	30		04	2			4580		54	3	
	31		06	2			81		58	4	
	32		08	2			82		4:04	6	
	33		10	2			83		02	4	
	34		13	3			84				
	35		16	3			85				
	36		18	2			86				
	37		21	3			87				
	38		23	2			88				
	39		26	3			89				
	4540		29	3			4590				
	41		31	2			91				UR 1/2 15' in 10 min
	42		33	2			92				
	43	42	44	2	Conn @ 4572		93				
	44		45	1			94				
	45		48	3			95				
	46		51	3			96				
	47		52	1			97				
	48		54	2			98		12		
	49		56	2			99		21	3	
4550		2:00		4			4600		27	6	

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4600	01	21	27	6		4650	51	7:16	19	3	
	02		33	6			52		24	5	
	03		39	6			53		29	5	
	04	48	52	4	CONN@ 4603		54		33	4	
	05		54	2			55		36	4	
	06		58	4			56		39	3	
	07		5:02	4			57		42	3	
	08		05	3			58		48	6	
	09		08	3			59		52	4	
4610			11	3		4660			56	4	
	11		13	2			61		59	3	
	12		15	2			62	8:02		3	
	13		16	1			63		06	4	
	14		18	2			64		09	3	
	15		19	1			65		12	3	CONN@ 4666
	16		20	1			66	8:02	06	4	Change Chart
	17		21	1			67		09	3	Corr. Plock
	18		22	1			68		12	3	
	19		24	2			69		16 1/2	4 1/2	
4620			26	2		4670			21	4 1/2	
	21		27	1			71		25	4	
	22		29	2			72		31	6	
	23		33	4			73		36	5	
	24		38	5			74		39	3	
	25		42	4			75		41	2	
	26		46	4			76		43	2	
	27		49	3			77		45	2	
	28		53	4			78		48	3	
	29		56	3			79		50	2	
4630			6:00	4		4680			52	2	THE 9 MIN
	31		03	3			81		54	2	PIPE STUCK
	32		06	3			82	4:03	06	3	CONN@ 4682
	33		09	3			83		08	2	
	34		13	4			84		11	3	
	35	17	20	3	CONN@ 4634		85		13	2	
	36		23	3			86		20	7	
	37		27	4			87		24	4	
	38		30	3			88		28	4	
	39		34	4			89		32	4	
4640			38	4		4690			39	7	
	41		41	3			91		47	8	
	42		47	6			92		52	5	
	43		51	4			93		57	5	
	44		54	3			94	5:01	01	4	
	45		57	3			95		02	1	
	46		7:00	3			96		05	3	
	47		06	6			97		07	2	
	48		10	4			98		09	2	CONN@ 4698 6
	49		13	3			99		18	3	
4650			16	3		4700			19	1	

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4700	1	5:19	20	1		4750	51	17	20	3	
	2		21	1			52		24	4	
	3		22	1			53		27	3	
	4		22½	½			54		30	3	
	5		23	½			55		32	2	
	6		24	1			56		35	3	
	7		25	1			57		40	5	
	8		26	1			58		40	4	
	9		28	2			59		47	3	
4710	10		29	2		4760	60		53	6	
	11		30	1			61		56	3	
	12		31	1			62		58	2	
	13		32	1			63		8:00	2	
	14		33	1			64	8:18	15	4	Conn Time
	15		35	2			65		18	3	
	16		37	2			66		20	2	
	17		39	2			67		22	2	
	18		41	2			68		24	2	
	19		42	1			69		27	3	
4720	20		44	2		4770	70		29	2	
	21		45	1			71		31	2	
	22		47	2			72		33	2	
	23		49	2			73		35	2	
	24		51	2			74		37	2	
	25		53	2			75		39	2	
	26		55	2			76		41	2	
	27		57	2			77		44	3	
	28		6:00	3			78		46	2	
	29	Adj	Geo		CONN @ 4729 7min		79		48	2	
4730	30	6:00	11	4		4780	80		50	2	
	31		15	4			81		53	3	
	32		18	3			82		55	2	
	33		22	4			83		57	2	
	34		25	3			84		9:00	3	
	35		29	4			85		2	2	
	36		33	4			86		5	3	
	37		37	3			87		8	3	
	38		40	3			88		11	3	
	39		42	2			89		13	2	
4740	40		46	4		4790	90		16	3	Conn 4790
	41		49	3			91	22	25	3	
	42		52	3			92		28	3	
	43		55	3			93		32	4	
	44		58	3			94		36	4	
	45		7:02	4			95		39	3	
	46		5	3			96		42	3	
	47		9	4			97		45	3	
	48		12	3			98		50	5	
	49		14	2			99		54	4	
4750	50		17	3		4800	4800		56	2	

4914
4949
4980

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4800	01	56	58	2		4850	51		54	1/2	
4800	2		10:00	2			52		55	1	
	3		03	3			53	12:00	6	1	
	4		07	4			54		7	1	
	5		11	4			55		9	2	
	6		14	3			56		12	3	
	7		17	3			57		15	3	
	8		20	3			58		18	3	
	9		23	3			59		20	2	
4810			25	2		4860	208	09	1		Trip 4859 OBB 208 2-25-
	11		28	2			61		13	4	11:23
	12		29	2			62		19	6	17 hrs 48 m
	13		30	1			63		23	4	
	14		32	2			64		27	4	
	15		34	2			65		31	4	
	16		35	1			66		36	5	
	17		37	2			67		43	7	
	18		40	3			68		49	6	
	19		47	7			69		55	6	
4820			51	4	@ 4821	4870	70		58	3	
	21		10:57	6	Conn 13 min		71	304	304	6	
	22		11:12	2			72		07	3	
	23		16	4			73		13	6	
	24		20	4			74		17	5	
	25		22	2			75		23	6	
	26		7	5			76		30	7	
	27		37	4			77		39	9	
	28		5	4			78		47	8	
	29		7	2			79		53	6	
4830			40	3		4880	80		58	5	
	31		44	4			81	202	02	4	
	32		47	3			82		10	8	
	33		48	1			83		17	7	Picked up
	34			1/2			84		24	7	Junk Basket 3'
	35			1/2			85		31	7	
	36			1/2			86		38	9	Conn 4883 less
	37			1/2			87		48	4	Junk sub
	38			1/2			88		55	7	6 min
	39			1/2			89		59	4	
4840				1/2		4890	90	459	504	5	
	41			1/2			91		11	7	
	42			1/2			92		15	4	
	43			1/2			93		17	2	
	44			1/2			94		18	1	
	45			1/2			95		20	2	
	46			1/2			96		21	1	
	47			1/2			97		23	2	
	48			1/2			98		51	3	Shut Release 5 min
	49			1/2			99		35	4	
4850				1/2		4900	4900		39	4	

504
5042
5074

DRILLING TIME LOG

COMPANY Lee Banks FARM. _____ WELL NO. 1
 LOCATION Fisher COUNTY Seward STATE KANSAS
 TYPE INDICATOR Martin + Decker SIZE OF BIT 7/8 SIZE OF DRILL PIPE 4 1/2

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
4910	1	539	43	4		4950	51	9:22			2
	2		46	3			52	28			4
	3		52	6			53	31			3
	4		58	4			54	33			2
	5	558	600	2			55	6			3
	6	600	02	2			56	8			2
	7		06	4			57	44			4
	8		08	2			58	8			4
	9		11	3			59	55			7
4910	10		18	7		4960	60	10:01			6
	11		24	6			61	07			6
	12		29	5			62	12			5
	13		X	9	Add Geo 2'		63	6			4
	14		X	-	CONN @ 4914 11		64	22	16		4
	15		44	-	Add BRACKS		65	27			5
	16	6:48		4			66	33			6
	17	5:4		6			67	39			6
	18	5:8		4			68	44			5
	19	7:02		4			69	49			5
4920	20	7:05		3		4970	70	55			6
	21	9		4			71	11:01			6
	22		14	5			72	07			6
	23		18	4			73	12			5
	24		23	5			74	16			4
	25		6	3			75	24			8
	26		30	4			76	30			6
	27		35	5			77	6			6
	28		8	3			78	42			6
	29		42	4			79	48			6
4930	30		6	4		4980	80	57			9
	31		9	3			81	207			4
	32		54	5			82	12			5
	33		7:59	5			83	16			4
	34		8:04	5			84		20		4
	35		8	4			85		27		7
	36		12	4			86		2:33		6
	37		16	4			87		6		3
	38		22	6			88		9		3
	39		28	6			89		42		3
4940	40		32	4		4990	90		6		4
	41		36	4			91		50		4
	42		41	5			92		4		4
	43		45	4			93		6		2
	44		52	7			94		9		3
	45		56	4			95		103		4
	46		9	3			96		6		3
	47		9:02	3			97		10		4
	48		3	1			98		13		3
	49		5	2			99		4		3
4950	50		29	3	CONN 12" de air bit 1-23	4999	5000	1:19			3

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
5000	01	1:19	23	4		5050	01	57	4:00	3	
	2		6	3			2		03	3	
	3		9	3			3		08	5	
	4		32	3			4		11	3	
	5		4	2			5		14	3	
	6		8	4			6		16 24	2	
	7		42	4			7		19 24	3	
	8		45	3			8		24 3	5	
	9		9	4			9		27 3	3	
	10		52	3			60		31 3	4	
	1		5	3	mod. amp mornings Kellja's long found shot		1		32 3	3	
	2		58	2	CON @ 5011 (5m)		2		33 4 3	1	
	3		59	1			3		38 4 4	5	
	4				CON		4		42 5 1	4 1/2	
	5						5		47 5 5	3 1/2	
	6				DRlg 5' in 2 mins		6		51 5 8	4	
	7						7		55 5 10	4	
	8		07				8		58 5 10	3	
	9		08	1			9		5 05 1 1	7	
	20		12	4			70		10 1 10	5	
	1		15	3			1		15 2 10	5	
	2		16 1/2	1 1/2			2		20 3 10	5	
	3		17	1/2			3		24 4 10	4	
	4		22	4			4		30 5 10	6	
	5		25	3			5		43 46 10	3	CON @ 5074
	6		31	1			6		50 5 10	4	
	7		32	1			7		53 5 10	3	
	8		36 4 10	4			8		56 6 10	3	
	9		40 4 10	4			9		59 7 10	3	
	30		43 4 10	3			80		6:02 8 10	3	
	1		46 5 10	3			1		07 9 10	5	
	2		49 5 10	3			2		11 10 10	4	
	3		52 5 10	3			3		14 11 10	3	
	4		55 5 10	3			4		18 12 10	4	
	5		56 6 10	1			5		21 13 10	3	
	6		58 7 10	2			6		27 14 10	6	
	7		3:01 1/2	3 1/2			7		31 15 10	4	
	8		04 8 10	2 1/2			8		37 16 10	6	
	9		09 9 10	5			9		41 17 10	4	
	40		13 10 10	4			90		45 18 10	4	
	1		17 11 10	4			1		49 19 10	4	
	2		23 12 10	6			2		55 20 10	6	
	3	30	32 13 10	2	CON @ 5042		3		7:02 21 10	7	
	4		34 14 10	2			4		07 22 10	5	
	5		36 15 10	2			5		10 23 10	3	
	6		42 16 10	6			6		16 24 10	6	
	7		46 17 10	4			7		21 25 10	5	
	8		50 18 10	4			8		27 26 10	6	
	9		54 19 10	4			9		32 27 10	5	
	50		57 20 10	3			5100		36 1/2 28 10	4 1/2	

DRILLING TIME LOG

COMPANY Lee Banks FARM Fisher WELL NO. 1
 LOCATION _____ COUNTY Seward STATE Kansas
 TYPE INDICATOR M.D. SIZE OF BIT 7 7/8 SIZE OF DRILL PIPE 4 1/2"

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
5100	01	7:36 1/2	41	4 1/2		5150	5151	11:04	06	2	
	02		48	7			52		10	4	
	03		54	6			53		14	4	
	04		59	5			54		18	4	
	05	8:00	04 1/2	4 1/2	Change Charts		55		24	6	
	06		09	4 1/2	Corre. Clock		56		25 1/2	1 1/2	
	07	8:16	18	2	CONN@5106		57		28	2 1/2	
	08		22	4			58		32	3 1/2	
	09		27	5			59		36	4	
5110			31 1/2	4 1/2		5160			40	4	
	11		35	3 1/2			61		43	3	
	12		38	3			62		47	4	
	13		44	6			63		52	5	
	14		49	5			64		58	6	
	15		52 1/2	3 1/2			65	12:02		4	
	16		56	3 1/2			66		06	4	
	17		58 1/2	2 1/2			67		10	4	
	18	9:05		6 1/2			68		15	5	
	19		06 1/2	1 1/2			69		22	7	
5120			10	3 1/2		5170			25	3	
	21		13 1/2	3 1/2			71		29	4	
	22		17	3 1/2			72	12:39	45	6	OK. Rig # Conn @ 512
	23		21	4			73		49	4	
	24		24	3			74		52	3	
	25		27	3			75		56	4	
	26		31	4			76	1:00		4	
	27		34	3			77		05	5	
	28		39	5			78		10	5	
	29		42	3			79		14	4	
5130			50	8		5180			18	4	
	31		52	2			81		21	3	
	32		55	3			82		25	4	
	33		59	4			83		30	5	
	34	10:02		3			84		33	3	
	35		06	4			85		37	4	
	36		10 1/2	4 1/2			86		39	2	
	37		14	3 1/2			87		41	2	
	38		19	5			88		45	4	
	39	24	27	3	Conn@5138		89		52	7	
5140	30		34	4	Pump	5190			55	3	
	41		36	2			91		59	4	
	42		39	3			92	2:02		3	
	43		43	4			93		06	4	
	44		47	4			94		11	5	
	45		53	3	Off Bott 3mins		95		17	6	
	46		55	2			96		21	4	
	47		58	3			97		25	4	
	48		59	1			98		27	2	
	49	11:01 1/2		2 1/2			99		31	4	
5150			04	2 1/2		5200			37	6	

DRILLING TIME LOG

COMPANY Lee Banks FARM Fisher WELL NO. 1
 LOCATION _____ COUNTY Seward STATE Kans.
 TYPE INDICATOR M.D. SIZE OF BIT 7 7/8" SIZE OF DRILL PIPE 4 1/2"

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
5200	01	2:37	41	4		5250	51	6:53	2		
	02	47	51 1/2	4 1/2	Conn@ 5201		52	9	6		
	03		57	5 1/2			53	7:05	6		
	04		3:00	3			54	11	6		
	05		05	5			55	17	6		
	06		08	3			56	22	5		
	07		12	4			57	7	5		
	08		16	4			58	34	7		
	09		22	6			59	41	7		
5210			26 1/2	4 1/2		5260		6	5		
	11		30	3 1/2			61	51	5		
	12		35	5			62	56	5		
	13		39	4			63	8:02	6		
	14		44	5			64	11	9		Conn@ 5263 = 6 min.
	15		49	5			65	13	2		
	16		54	5			66	116	3		
	17		58	4			67	22	6		
	18		4:02	4			68	28	4		
	19		07	5			69	33	5		
5220			13 1/2	6 1/2		5270		4	5		
	21		20	6 1/2			71	41	3		
	22		24	4			72	45	4		
	23		30	6			73	48 1/2	3 1/2		
	24		35	5			74	54	5 1/2		
	25		41	6			75	58 1/2	3 1/2		
	26		46	5			76	9:05	6 1/2		
	27		50	4			77	09 1/2	4 1/2		
	28		55	5			78	14 1/2	5		
	29		58	3			79	26	8 1/2		
5230			5:04	6		5280		27	1		
	31		07	3 1/2			81	36 1/2	9 1/2		
	32		12	4 1/2			82	40	3 1/2		
	33	5:19	22 1/2	3 1/2	Conn@ 5232		83	45 1/2	5 1/2		
	34		25	2 1/2			84	50 1/2	5		
	35		32	7			85	58	7 1/2		
	36		37	5			86	10:06	8		
	37		41 1/2	4 1/2			87	09 1/2	3 1/2		
	38		48	6 1/2			88	15	5 1/2		
	39		53	5			89	20 1/2	6 1/2		
5240			58:	5		5290		27	6 1/2		
	41		1:04	6			91	10:51	52 1/2	1 1/2	
	42		09 1/2	5 1/2			92	56 1/2	4		
	43		15	5 1/2			93	11:01 1/2	5		
	44		29	4			94	06	5 1/2		
	45		25	6			95	11:06 1/2	11:11	4 1/2	
	46		30	5			96	11:17	22	5	
	47		6	6			97	25	3		
	48		41	5			98	28 1/2	3 1/2		
	49		6	5			99	34	5 1/2		
5250			51	5		5300		37	3 1/2		



DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
5300	01	11:37 1/2	41 1/2	4		5350	51	55 1/2	4		trip
	2	42	44 1/2	3			52	21	3 1/2		off bottom 22M
	3	45	48	3 1/2			53	24	3		work on rig Mtrc
	4	48	51	3			54	30	6		
	5	51	56	5			55	37	7		
	6	6	12:00 1/2	4 1/2			56	43 1/2	6 1/2		
	7	12:00	03 1/2	3			57	47	3 1/2		
	8	03	07	3 1/2			58	50	3		Conn & Rig Serv.
	9	7	10 1/2	3 1/2			59	5:00 02	2		
	10	10	12 1/2	3 1/2			60	05	3		
	1	12	22 1/2	3 1/2			61	13	8		
	2	29	34 1/2	6			62	18	5		
	3	34	42 1/2	4 1/2			63	22	4		
	4	41 1/2	45 1/2	3			64	25	3		
	5	45	48	3			65	27	2		
	6		54 1/2	6 1/2			66	28	1		
	7		58 1/2	4 1/2			67	30	2		
	8		1:03 1/2	5			68	33	3		
	9		08	4 1/2			69	37	4		
	10		11 1/2	3 1/2			70	40	3		
	1		17 1/2	6			71	43	3		
	2		22 1/2	5			72	50	7		
	3		28	5 1/2			73	54	4		
	4		33	5			74	58	4		
	5		38	5			75	6:02 4			
	6		44	6	Conn. 5326		76	08	6		
	7		2:00	4			77	13	5		
	8		03 1/2	3 1/2			78	18	5		
	9		05 1/2	2			79	23	5		
	10		09 1/2	4			80	27	4		
	1		13	3 1/2			81	30	3		
	2		16	3			82	34	4		
	3		19	3			83	38	4		
	4		22 1/2	3 1/2			84	42	4		
	5		24 1/2	2			85	47	5		
	6		28	3 1/2			86	51	4		
	7		31 1/2	3 1/2			87	53	2		
	8		37	5 1/2			88	56	3		
	9		42	5			89	7:03 7			
	10		45 1/2	3 1/2			90	19 27	8		
	1		49	3 1/2			91	34	7		Conn @ 5389
	2		54	5			92	39	5		
	3		58 1/2	4 1/2			93	48	9		
	4		3:06 1/2	8			94	51	3		
	5	X?X	24 1/2	5			95	55	4		Change Chart
	6		31	6 1/2			96	8:12 18	6		corr. clock
	7		36	5			97	20	2		
	8		40	4			98	26	6		
	9		46 1/2	6 1/2			99	30	4		
5350			51 1/2	5			5400	38	8		

DRILLING TIME LOG

COMPANY Lee Banks FARM Fisher WELL NO. 1
 LOCATION Out in The Pasture COUNTY Seward STATE Ks
 TYPE INDICATOR A. D. SIZE OF BIT 7 7/8 SIZE OF DRILL PIPE 4 1/2"

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
5400	01	8:38	42	4		5450	51	12:45	53	8	
	02		47	5			52		59	6	
	03		52	5			53		1:05	6	
	04		56	4			54		1:08	3	
	05		59	3			55		1:13	5	
	06		9:03	4			56		1:18	5	
	07		05	2			57		1:23	5	
	08		08	3			58		1:31	8	
	09		11	3			59		1:37	6	
	5410		14 1/2	3 1/2			5460		4:2	5	
	11		21	6 1/2			61		4:7	5	
	12		25	4			62		5:0	3	
	13		32	7			63		5:6	6	
	14		36	4			64		2:00	4	
	15		39	3			65		1:04	14	
	16		42 1/2	3 1/2			66		07	3	
	17		45	2 1/2			67		10	3	
	18		47 1/2	2 1/2			68		17	7	
	19	9:57	10:02 1/2	5 1/2	Conn @ 5418		69		23	6	
	5420		07	4 1/2			5470		28	5	
	21		10	3			71		32	4	
	22		16	6			72		36	4	
	23		20	4			73		40	4	
	24		25	5			74		43	3	
	25		28	3			75		46	3	
	26		33 1/2	5 1/2			76		49	3	
	27		38	4 1/2			77		52	3	
	28		46	8			78		57	5	
	29		50	4			79		3:02	5	
	5430		55 1/2	5 1/2			5480		11	9	Correct Fee
	31		11:03	7 1/2			81				Conn @ 5481 10
	32		06	3			82		32		VIS 37 WT 9.5
	33		12	6			83		41	9	
	34		19	7			84		47	6	
	35		25	6			85		52	5	
	36		33	8			86		4:00	8	
	37		42	9			87		09	9	
	38		48	6			88		20	11	
	39		54	6			89		29	9	
	5440		57	3			5490		37	8	
	41		12:00	3			91		43	6	
	42		04	4			92		50 1/2	7 1/2	
	43		08	4			93		5:03	12 1/2	
	44		13	5			94		13	10	trip
	45		18	5			95		20	7	
	46		23	5			96	12:37	39 1/2		
	47		28	5			97		40	1 1/2	
	48		35	7			98		46 1/2	6 1/2	
	49		40	5			99		50	3 1/2	
5449	5450		4.5	5	Conn @ 5450 Sew Rig		5500		53 1/2	3 1/2	

61
43
18

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
5500	01	12:53	56	2 1/2		5550	51	4:44	45 1/2	1	Call Bill Orkin
	02		1:02	6			52		50	4 1/2	624-2257 hon
	03		1:09	7		COND.	53		56	6	624-1673 office
	04	14:22	11	5			54	5:01	06	5	Conn. 5553.47
	05		30	7 1/2			55		9 1/2	2 1/2	
	06		34 1/2	4 1/2			56		12	3 1/2	
	7		38 1/2	4			57		15	3	
	8		42	3 1/2			58		18	3	
	9		44	2			59		22 1/2	4 1/2	
	10		50	6			5560		26 1/2	4	
	11		59 1/2	9 1/2			61		30 1/2	4	
	12		2:03	3 1/2			62		33	2 1/2	
	13		6	3			63		35	2	
	14		8 1/2	2 1/2			64		37 1/2	2 1/2	
	15		10	1 1/2			65		38 1/2	1	
	16		13	3			66		40 1/2	2	
	17						67		42 1/2	2	
	18		20	7			68		44 1/2	2	
	19		22 1/2	2 1/2			69		47 1/2	3	
	20		26 1/2	4			5570		49	1 1/2	
	21		28 1/2	2	Conn @ 5521'		71		51 1/2	2 1/2	
	22	2:37	41	4			72		54	2 1/2	
	23		43	2			73		56 1/2	2 1/2	
	24		47	4			74		58	1 1/2	
	25		52 1/2	5 1/2			75		59 1/2	1 1/2	
	26		57 1/2	5			76		6:08 1/2	2 1/2	
	27		3:01	3 1/2			77		04	2	
	28		03	2			78		06	2	
	29		06	3			79		07 1/2	1 1/2	air work and rig
	30		10 1/2	4 1/2			5580		10+	2 1/2	
	31		16 1/2	6			81	6:27	6:28 + 1 min	7	
	32		21	4 1/2			82		30	2	
	33		23	2			83		33	3	
	34		26 1/2	3 1/2			84		35 1/2	2 1/2	
	35		31	4 1/2			85		37 1/2	2	Conn. 5585
	36		37 1/2	6 1/2			86		6:45	2	
	37		42 1/2	5			87		47	2	
	38		48	5 1/2			88		49 1/2	2 1/2	
	39		52	4			89		56	6 1/2	
5540			57 1/2	5 1/2			5590		7:00	4	
	41		40 1/2	3			91		06	6	
	42		05 1/2	5 1/2			92		09 1/2	3 1/2	
	43		13	7 1/2			93		13	3 1/2	
	44		14 1/2	1 1/2			94		19	6	
	45		18 1/2	4			95		24 1/2	5 1/2	
	46		24	5 1/2	Conn.		96		30	5 1/2	
	47	34	37	3			97		35	5	
	48		41	4			98		42 1/2	7 1/2	
	49		43	2			99		53 1/2	11	
5550			44 1/2	1 1/2			5600		7:59 1/2	6 1/2	

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
5700	11	201	05	4		5750	51	634	39	3	
	2		13	8			52		43	4	
	3		17	4			53		47	4	
	4		21	4			54		51	4	
	5		27	6			55		53	2	
	6		33	6			56		56	3	
	7		37	4			57		7:01	5	
	8		41	4	Pump 5708 3min		58		06	5	
	9		48	4	CONN@5709 8		59		10 ³⁰	4	
5710	10		306	10	Grease Swivel	5760	60		11 ³⁰	1 ³⁰	
	11		08	2			61		14 ³⁰	3	
	12		16	8			62		17 ³⁰	3	
	15		20	4			63		22	4 ³⁰	
	14		26	6			64		26	4	
	15		33	7			65		30	4	
	16		40	7			66		32 ³⁰	2 ³⁰	
	17		45	5			67		35	2 ³⁰	
	18		50	5			68		36 ³⁰	1 ³⁰	
	19		54	4			69		39	2 ³⁰	
5720	20		58	4		5770	70		45	6	
	21		404	6			71		50	5	
	22		13	9			72		54	4	conn 5772+
	23		20	7			73				
	24		26	6			74	8:30 ³⁰	8:37	5 ³⁰	
	25		28	2			75		40	3	
	26		33	5			76		43	3	
	27		41	8			77		47	4	
	28		50	9			78		51 ³⁰	4 ³⁰	
	29		57	7			79		9:01 ³⁰	10	
5730	30		503	6		5780	80		04 ³⁰	3	
	31		09	6			81		07 ³⁰	3	
	32		17	8			82		09 ³⁰	2	T.D.
	33		21	4			83		12	2 ³⁰	
	34		25	4			84		16 ³⁰	4 ³⁰	
	35		30	5			85		20 ³⁰	4	
	36		34	6			86		26	5 ³⁰	
	37		40	4			87		31	5	
	38		43	3			88		35 ³⁰	4 ³⁰	
	39		46	3			89		41 ³⁰	6	
5740	40		49	3	CONN@5740 9	5790	90		47 ³⁰	6	
	41		603	5			91		51 ³⁰	4	
	42		06	3			92		56 ³⁰	5	
	43		09	3			93		10:04	7 ³⁰	
	44		14	5			94		09	5	
	45		17	3			95		16	7	
	46		22	5			96		21	5	
	47		27	5			97		25 ³⁰	4 ³⁰	
	48		30	3			98		33 ³⁰	7	
	49		33	3			99		39	6 ³⁰	
5749	5750		36	3	Call Bill Atkins	5800	5800		10:43 ³⁰	4 ³⁰	CIRC @ 5800 FOR LOG

624-2257 home
 624-1673 office

DRILLING TIME LOG

COMPANY _____ FARM _____ WELL NO. _____
 LOCATION _____ COUNTY _____ STATE _____
 TYPE INDICATOR _____ SIZE OF BIT _____ SIZE OF DRILL PIPE _____

NOTE SHUT DOWN TIME, ROUND TRIPS, CHANGING BIT, CONDITION AND TYPE OF BIT AND REPAIRS

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED			FROM	TO	BEGAN	ENDED		
5600	01	7:58½	8:13½	5		5600	51	9:00	57	5	
	2		19	5½			52	10:03		6	
	3		23	4			53	08		5	
	4		27½	4½			54	13		5	
	5		31½	4			55	18		5	
	6		35½	4			56	23		5	
	7		39	4½			57	32		9	
	8		43	4			58	36		4	
	9		46½	3½			59	46		10	
	10		49½	3		5610		51		5	
	11		55	5½			61	57		6	
	12		58	3			62	1102		5	
	13		9:02	4			63	12		10	
	14		06½	4½			64	17		5	
	15		10½	4+			65	20		3	
	16		14	3½	conn. 5616		66	27		7	
	17	9:23½	27	3½			67	35		8	
	18		32	5			68	39		4	
	19		34	2			69	45		6	
	20		37½	3½		5670		50		5	
	21		41½	4			71	58½		8½	
	22		44	3½			72	12:03½		5	
	23		49	5			73	08		4½	
	24		54½	5½			74	16		13	
5625		10:00	5½	5½	DST 5625 T.T.D.		75	21½		5½	Conn. 5677
	26	7:45	52½	7½	Catch samples		76				11 min
	27		59	7½	30, 60, 90 min.		77				
	28	8:01	8:05	4	Circulate 2½ hours		78	12:03	12:36	3	
	29		13	8	± come out for DST		79	40		4	Depth indicator
	30		19	6	5543-5625		5680	49		9	marked 1 ft. to
	31		23	4			81	57		8	deep.
	32		27	4			82	101		4	
	33		32	5			83	05		4	
	34		34	2			84	07		2	
	35		38	4			85	10		3	
	36		39	1			86	15		5	
	37		41	2			87	17		2	
	38		45	4			88	20		3	
	39		49	4			89	22		2	
5640			50	3		5690		26		4	
	41		55	3			91	28		2	
	42		9:00	5			92	32		4	
	43		05	5			93	35		3	
	44		09	4			94	40		5	
	45	21	24	3	Conn. 5644		95	43		3	
	46		31	7			96	46		3	
	47		35½	4½			97	50		4	
	48		40½	5			98	54		4	
	49		46	5½			99	59		5	
5650			52	6		5700		201		2	