

COMPACT INVESTIGATION MURFIN DRILLING CO.
WICHITA, KANSAS

24-2-32W
RELEASED

COMPANY Robert Schulsin Co. FARM Erickson DEC 13 1951 WELL NO 11-24
SEC. 24 TWP 25 RGE 32W COUNTY Rawlins STATE Ks.
SIZE HOLE _____ DRILL PIPE _____ SIZE PUMP LINERS _____ FROM _____ LENGTH _____ STROKE _____
DATE 8-26-90 PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
2500				
01				
02				
03				
04				
05				
06				
07				
08				
09				
2510				
11				
12				
13				
14				
15				
16				
17				
18				
19				
2520				
21				
22				
23				
24				
25				
26				
27				
28				
29				
2530				
31				
32				
33				
34				
35				
36				
37				
38				
39				
2540				
41				
42				
43				
44				
45				
46				
47				
48				
49				
2550				

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51	8:42	43	1	
52		44	1	
53		45	1	CONFIDENTIAL
54		46	1	
55		47	1	
56		47 1/2	1/2	
57		48	1/2	
58		49	1	
59		51	2	
2560		52	1	
61		53	1	
62		55	2	
63		56	1	
64		58	2	
65		9:00	2	
66		01	1	
67		02	1	
68		04	2	
69		05	1	
2570		07	2	
71		08	1	
72		10	2	
73		11	1	CONN
74	15	16	1	
75		16 1/2	1/2	
76		17	1/2	
77		17 1/2	1/2	
78		18	1/2	
79		20	2	
2580		21	1	
81		22	1	
82		23	1	
83		25	2	
84		26	1	
85		28	2	
86		30	2	
87		31	1	
88		32	1	
89		34	2	
2590		35	1	
91		36	2	
92		38	2	
93		40	2	
94		41	1	
95		43	2	
96		44	1	
97		46	2	
98		47	1	
99		49	2	Top Anhyd
2600		51	2	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert Schulein Co. FARM Erickson WELL NO 11-24
SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY Rawlins STATE KS.
SIZE HOLE _____ DRILL PIPE _____ SIZE PUMP LINERS _____ LENGTH STROKE _____
DATE 8-26-90 PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
26 00				
01	9:51	53	2	
02		55	2	
03		57	2	
04		10:00	3	CONN
05	03	06	3	
06		09	3	
07		12	3	
08		15	3	
09		18	3	
26 10		21	3	
11		24	3	
12		26	2	
13		29	3	
14		32	3	
15		35	3	
16		38	3	
17		41	3	
18		43	2	
19		46	3	
26 20		49	3	
21		52	3	
22		55	3	
23		58	3	
24		11:01	3	
25		05	4	
26		08	3	
27		12	4	
28		15	3	
29		18	3	
26 30		21	3	
31		25	4	
32		28	3	Base Anky
33		29	1	
34		29 1/2	1/2	
35		30	1/2	
36		30 1/2	1/2	CONN
37	34	34 1/2	1/2	
38		35	1/2	
39		35 1/2	1/2	
26 40		36	1/2	
41		37	1	
42		40	3	
43		43	3	
44		45	2	
45		48	3	
46		51	3	
47		54	3	
48		51	3	
49		12:00	3	
26 50		02	2	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51				
52				
53				
54				
55				CONFIDENTIAL
56				
57				
58				
59				
26 60				
61				
62				
63				
64				
65				
66				
67				CONN
68				
69				
26 70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
26 80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
26 90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
27 00				

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert Schuler Co. FARM Erickson WELL NO 11-24
 SEC. TWP. RGE. LOC. COUNTY Rawlins STATE KS.
 SIZE HOLE DRILL PIPE SIZE PUMP LINERS LENGTH STROKE
 DATE PAGE NO.

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
31 00				
01	12:35	36	1	
02		37	1	
03		39	2	CONN
04	12:45	46	1	
05		47	1	
06		48	1	
07		50	2	
08		52	2	
09		51	1	
10		53	2	
11				
12				
13				
14				
15		55	2	
16		55 1/2	2	
17		56 1/2	2	
18		56 1/2	2	
19		57 1/2	2	
31 20		58	1	
21				
22				
23				
24				
25		11:00	2	
26		01	1	
27		02	1	
28		03	1	
29		04	1	
30		06	2	
31		07	1	
32		08	1	
33		10	2	
34		12	2	
35		14	2	CONN
36	1:18	19	1	
37		20	1	
38		21	1	
39		22	1	
31 40		24	2	
41		26	2	
42		27	1	
43		29	2	
44		30	1	
45		32	2	
46		34	2	
47		35	1	
48		36	1	
49		37	1	
31 50		39	2	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
31 50				
51	1:39	40	1	
52		42	2	
53		43	1	
54		45	2	CONFIDENTIAL
55		47	2	
56		48	1	
57		50	2	
58		51	1	
59		53	2	
60		54	1	
61		56	2	
62		57	1	
63		59	2	
64		2:00	1	
65		02	2	
66		03	1	CONN
67	2:18	19	1	
68		20	1	
69		22	2	
31 70		23	1	
71		24	1	
72		26	2	
73		27	1	
74		29	2	
75		30	1	
76		32	2	
77		33	1	
78		34	1	
79		35	1	
80		37	2	
81		38	1	
82		39	1	
83		40	1	
84		41	1	
85		42	1	
86		43	1	
87		44	1	
88		45	1	
89		46	1	
31 90		47	1	
91		48	1	
92		49	1	
93		50	1	
94		52	2	
95		53	1	NOV 10 1950
96		54	1	
97		56	2	
98		57	1	CONN
99	3:02	03	1	
32 00		04	1	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert T. Schuler Co. FARM Erickson WELL NO 11-24
SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY Rawlins STATE KS
SIZE HOLE 7 3/8 DRILL PIPE _____ SIZE PUMP LINERS _____ LENGTH STROKE _____
DATE 8-27-90 PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
7200				
01	3:04	05	1	
02		06	1	
03		07	1	
04		09	2	
05		10	1	
06		12	2	
07		14	2	
08		15	1	
09		17	2	
10		19	2	
11		20	1	
12		22	2	
13		23	1	
14		25	2	
15		27	2	
16		28	1	
17		29	1	
18		31	2	
19		32	1	
3220		33	1	
21		33 1/2	1/2	
22		34 1/2	1/2	
23		35	1	
24		36	1	
25		37	1	
26		37 1/2	1/2	
27		37 3/4	3/4	
28		38 1/4	1/4	CONN
29	3:44	44 1/2	1/2	
30		45		
31				
32				
33				
34				
35		47	2	
36				
37				
38				
39				
7240		49	2	
41		49 1/2	1/2	
42		50	1/2	
43		50 1/2	1/2	
44		51	1/2	
45		52	1	
46		53	1	
47		54	1	
48		55	1	
49		56	1	
7250		58	2	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3250				
51	3:58	59	1	
52		4:00	1	
53		01	1	
54		02	1	CONFIDENTIAL
55		03	1	
56		04	1	
57		05	1	
58		06	1	CONN
59	4:13	15	2	
60		17	2	
61		18	1	
62		19	1	
63		21	2	
64		23	2	
65		25	2	
66		26	1	
67		28	2	
68		29	1	
69		30	1	
3270		32	2	
71		32 1/2	1/2	
72		33 1/2	1/2	
73		33 3/4	3/4	
74		34 1/2	1/2	
75		35	1	
76		35 1/2	1/2	
77		36 1/2	1/2	
78		37	1	
79		38	1	
80		39	1	
81		41	2	
82		42	1	
83		43	1	
84		45	2	
85		46	1	
86		48	2	
87		49	1	
88		50	1	
89		51	1	
3290		53	2	CONN
91	5:14	15	1	
92		16	1	
93		18	2	
94		19	1	
95		20	1	
96		22	2	
97		23	1	NOV 9 1990
98		25	2	
99		27	2	
3300		29	2	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert Schulteis Co. FARM Enickson WELL NO. # 11-24
 SEC. TWP. RGE. LOC. COUNTY Rawlins STATE KS
 SIZE HOLE 7 7/8 DRILL PIPE SIZE PUMP LINERS LENGTH STROKE
 DATE 8-27-90 PAGE NO.

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3300				
01	5:29	30	1	mud up open Hopper
02		32	2	
03		34	2	
04		35	1	
05		37	2	
06		39	2	
07		41	2	
08		42	1	
09		43	1	
33 10		44	1	
11		45	1	
12		46	1	
13		48	2	
14		50	2	
15		52	2	
16		55	3	
17		57	2	
18		59	2	
19		6:02	3	
33 20		1:04	2	
21		07	3	CONN
22	6:14	15	1	
23		16	1	
24		18	2	
25		20	2	
26		22	2	
27		24	2	
28		26	2	
29		27	1	
33 30		28	1	
31		29	1	
32		29 1/2	1/2	
33		30 1/2	1/2	
34		32	2	
35		34	2	
36		36	2	
37		38	2	
38		40	2	
39		42	2	
33 40		44	2	
41		45	1	
42		47	2	
43		47 1/2	1/2	
44			1 1/2	
45		48	1/2	
46		48 1/2	1/2	
47		49	1/2	
48		50	1	
49		52	2	
33 50		54	2	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51	54	57	1	
52		58	1	
53		59	1	CONN
54	7:05	06	1	
55		08	2	
56		10	2	
57		12	2	CONFIDENTIAL
58		14	2	
59		16	2	
33 60		18	2	
61		19	1	
62		21	2	
63		22	1	
64		24	2	
65		26	2	
66		28	2	
67		29	1	
68		30	1	
69		31	1	
33 70		32	1	
71		33	1	
72		34	1	
73		35	1	
74		36	1	
75		37	1	
76		38	1	
77		38 1/2	1/2	
78		39	1/2	
79		40	1	
33 80		41	1	CFS 30-45
81	8:31	32	1	
82		33	1	
83		34	1	
84		36	2	CONN
85	41	42	1	
86		43	1	
87		44	1	
88		46	2	
89		48	2	
33 90		49	1	
91		51	2	
92		54	3	
93		56	2	
94		58	2	
95		59	1	
96		9:01	2	
97		02	1	
98		04	2	
99		06	2	
34 00		08	2	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert Schulein Co. FARM Erickson WELL NO 11-24
SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY Rawlins STATE Ks.
SIZE HOLE _____ DRILL PIPE _____ SIZE PUMP LINERS _____ LENGTH STROKE _____
DATE 8-27-90 PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3400				
01	9:08	10	2	
02		13	3	
03		16	3	
04		18	2	
05		20	2	
06		22	2	
07		24	2	
08		26	2	
09		28	2	
3410		30	2	
11		32	2	
12		34	2	
13		35	1	
14		36	1	
15		37	1	CONN
16	42	43	1	
17		45	2	
18		48	3	
19		51	3	
3420		53	2	
21		56	3	
22		58	2	
23		10:00	2	
24		02	2	
25		04	2	
26		06	2	
27		08	2	
28		10	2	
29		12	2	
3430		15	3	
31		17	2	
32		19	2	
33		21	2	
34		23	2	
35		25	2	
36		26	1	
37		28	2	
38		30	2	
39		32	2	
3440		35	3	
41		39	4	
42		42	3	
43		44	2	
44		45	1	
45		47	2	
46		48	1	CONN
47	14	15	1	
48		17	2	
49		19	2	
3450		22	3	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51	22	24	2	
52		25	1	
53		27	2	
54		28	1	
55		30	2	CONFIDENTIAL
56		32	2	
57		33	1	
58		34	1	
59		36	2	
3460		37	1	
61		38	1	
62		40	2	
63		41	1	
64		43	2	
65		45	2	
66		47	2	
67		48	1	
68		49	1	
69		51	2	
3470		52	1	
71		54	2	
72		57	3	
73		59	2	
74		12:00	3	
75		05	3	
76		07	2	
77		10	3	
78		12	2	CONN
79	17	19	2	
3480		22	3	
81		25	2	
82		27	2	
83		29	2	
84		32	3	
85		35	3	
86		37	2	
87		39	2	
88		41	2	
89		43	2	
3490		46	3	
91		49	3	
92		52	3	
93		56	4	
94		1:00	4	
95		03	3	
96		06	3	
97		09	3	
98		12	3	
99		15	3	
3500		18	3	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert Schuelein Co. FARM Erickson WELL NO 11-24
 SEC. TWP. RGE. LOC. COUNTY Rawlins STATE Ks.
 SIZE HOLE DRILL PIPE SIZE PUMP LINERS LENGTH STROKE
 DATE 8-27-90 PAGE NO.

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3500				
01	1:18	21	3	
02		23	2	
03		25	2	
04		27	2	
05		29	2	
06		32	3	
07		33	1	
08		35	2	
09		37	2	CONN
35 10	40	42	2	
11		44	2	
12		46	2	
13		47	1	
14		49	2	
15		51	2	
16		53	2	
17		56	3	
18		58	2	
19		2:01	3	
35 20		03	2	
21		05	2	
22		08	3	
23		11	3	
24		13	2	
25		15	2	
26		17	2	
27		19	2	
28		21	2	
29		22	1	
35 30		24	2	
31		26	2	
32		28	2	
33		30	2	
34		31	1	
35		33	2	
36		34	1	
37		35	1	
38		37	2	
39		39	2	CONN
35 40	42	43	1	
41		44	1	
42		46	2	
43		48	2	
44		51	3	
45		54	3	
46		56	2	
47		59	3	
48		1:02	3	
49		4	2	
35 50		7	3	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3550				
51	7	10	3	160 PPM 2000
52		13	3	
53		16	3	
54		19	3	
55		22	1	
56		23	1	CONFIDENTIAL
57		25	2	
58		29	3	
59		31	3	
35 60		34	3	
61		37	3	
62		40	3	
63		43	3	
64		45	2	
65		48	3	
66		50	2	CLOSURE 1600
67		53	3	
68		55	2	
69		56	1	CONN
35 70	405	6	1	
71		9	2	
72		10	2	
73		12	2	
74		14	2	
75		17	3	
76		20	3	
77		23	3	
78		26	3	
79		28	2	
35 80		31	3	
81		33	2	
82		36	3	
83		38	2	90
84		41	3	
85		44	3	
86		47	3	
87		50	3	
88		53	3	
89		55	2	3000
35 90		57	2	
91		5:06	3	
92		3	3	
93		6	3	
94		8	2	
95		10	2	
96		11	1	
97			1/2	
98		12	1/2	
99			1/2	
36 00		14	1/2	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Schlumberger FARM F21C1507 WELL NO 11-24
 SEC. TWP. RGE. LOC. COUNTY Nowata STATE KS
 SIZE HOLE DRILL PIPE SIZE PUMP LINERS LENGTH STROKE
 DATE 8-27-90 PAGE NO.

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
36 00				
01	9:37	38	1	
02		39	1	
03		39 1/2	1/2	
04		40	1/2	
05		41	1	
06		42	1	
07		43	1	
08		45	2	
09		47	2	
36 10		49	2	
11		51	2	
12		53	2	
13		56	3	
14		59	3	
15		10:02	3	
16		04	2	
17		07	3	
18		09	2	
19		12	3	
36 20		14	2	
21		17	3	
22		19	2	
23		22	3	
24		25	3	
25		28	3	
26		31	3	
27		34	3	
28		37	3	
29		39	2	
36 30		42	3	
31		44	2	
32		46	2	
33		48	2	CONN
34	52	54	2	
35		57	3	
36		11:00	3	
37		03	3	
38		05	2	
39		08	3	
36 40		11	3	
41		15	4	
42		19	4	
43		23	4	
44		27	4	
45		30	3	
46		32	2	
47		35	3	
48		38	3	
49		41	3	
36 50		44	3	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
36 50				
51	44	47	3	
52		50	3	
53		53	3	
54		56	3	
55		59	3	
56		12:02	3	CONFIDENTIAL
57		05	3	
58		08	3	
59		12	4	
36 60		15	3	
61		18	3	
62		21	3	
63		23	2	
64		24	1	CONN
65	28	29	1	
66		32	3	
67		34	2	
68		36	2	
69		39	3	
36 70		41	2	
71		43	2	
72		46	3	
73		48	2	
74		51	3	
75		53	2	
76		55	2	
77		57	2	
78		58	1	
79		11:00	2	
36 80		02	2	
81		04	2	
82		06	2	
83		07	1	
84		09	2	
85		11	2	
86		12	1	
87		13	1	
88		15	2	
89		17	2	
36 90		20	3	
91		22	2	
92		24	2	
93		25	1	
94		27	2	
95		28	1	CONN
96	32	33	1	
97		35	2	
98		37	2	
99		38	1	
27 00		40	2	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert Schulteis Co. FARM Erickson WELL NO 11-24
SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY Rawlins STATE Ks.
SIZE HOLE _____ DRILL PIPE _____ SIZE PUMP LINERS _____ LENGTH STROKE _____
DATE 8-27-90 PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
37 00				
01	1:40	42	2	
02		44	2	
03		46	2	
04		48	2	
05		50	2	
06		52	2	
07		54	2	
08		56	2	
09		58	2	
37 10		2:00	2	
11		02	2	
12		05	3	
13		07	2	
14		09	2	
15		11	2	
16		13	2	
17		15	2	
18		17	2	
19		19	2	
37 20		21	2	
21		23	2	
22		25	2	
23		27	2	
24		29	2	
25		31	2	CONN
26	35	36	1	
27		39	3	
28		42	3	
29		43	1	
37 30		45	2	
31		47	2	
32		49	2	
33		51	2	
34		53	2	
35		55	2	
36		59	4	
37		3:03	4	
38		01	4	CFS 30-45-60
39	426	28	2	
37 40		31	3	
41		35	4	
42		38	3	
43		40	2	
44		42	2	
45		44	2	
46		46	2	
47		48	2	
48		51	3	
49		54	3	
37 50		57	3	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51	57	5:00	3	
52		3	3	
53		5	2	
54		8	3	
55		10	2	
56		13	3	
57		15	2	CONN
58	26	28	2	
59		30	2	490'S
37 60		32	2	
61		24	2	
62		36	2	
63		39	2	CONFIDENTIAL
64		42	3	
65		45	3	
66		48	3	
67		50	2	
68		53	3	
69		56	3	
37 70		59	3	
71		6:02	3	
72		5	3	
73		9	4	
74		12	2	
75		15	3	
76		19	4	
77		22	3	
78		25	3	
79		28	3	
37 80		30	2	
81		31	1	
82		32	1	
83		34	2	
84		37	3	
85		40	3	
86		42	2	
87		45	3	
88		49	3	CONN
89	53	56	3	CFS 470'S 9.6.6.7
37 90		59	3	15-30-45-60
91	8:29	32	3	480'S @ 9:00
92		36	4	470'S @ 9:40
93		39	3	
94		42	3	
95		45	3	
96		49	4	
97		52	3	
98		56	4	
99		9:00	4	
38 00		03	3	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert Schulein Co. FARM Erickson WELL NO 11-24
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY Rawlins STATE KS.
 SIZE HOLE _____ DRILL PIPE _____ SIZE PUMP LINERS _____ LENGTH STROKE _____
 DATE 8-29-90 PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
38 00				
01	9:03	06	3	
02		09	3	
03		12	3	
04		15	3	vis 50
05		18	3	
06		21	3	
07		24	3	
08		28	4	
09		32	4	— Packer
38 10		35	3	
11		37	2	
12		40	3	
13		42	2	
14		45	3	
15		47	2	
16		49	2	
17		52	3	
18		55	3	
19		59	4	CONN
38 20	10:03	06	3	
21		09	3	
22		11	2	
23		13	2	
24		15	2	
25		17	2	
26		19	2	
27		21	2	vis 48
28		23	2	
29		25	2	
38 30		27		2 CFS 15-30-45-60
31	9:13	15	2	1600 psi open
32		19	3	
33		22	4	
34		25	3	
35		28	3	
36		31	3	
37		34	3	
38		38	3	
39		42	3	
38 40		47	5	52 vis 9.3 wt
41		52	5	10.4 wt 4850 rpm
42		56	4	
43		10:01	5	
44		5	4	
45		8	3	
46		11	3	
47		16	5	
48		20	4	
49		25	5	CONN
38 50	31	34	2	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51	34	37	3	
52		39	2	
53		41	2	
54		43	2	
55		46	3	CONFIDENTIAL
56		49	3	
57		51	2	
58		54	3	
59		59	4	
38 60		11:03	4	OPEN Hogpen
61		08	4	
62		12	4	
63		15	3	
64		19	3	
65		23	4	
66		27	3	
67		31	4	
68		34	3	
69		36	2	
38 70		40	4	
71		43	3	
72		47	4	
73		50	3	
74		54	4	
75		59	5	
76		12:03	4	
77		08	5	
78		12	4	close Hogpen
79		17	5	
38 80		20	3	CONN 15' in Samples
81	12:53	57	4	
82		1:00	3	
83		04	4	
84		08	4	
85		13	5	
86		16	3	
87		20	4	
88		25	5	
89		29	4	
38 90		34	5	
91		38	4	
92		42	4	
93		46	4	
94		49	3	
95		53	4	
96		56	3	
97		59	3	
98		2:04	5	
99		07	3	
39 00		11	4	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert Schuelein Co. FARM Crickson WELL NO # 11-24
 SEC. _____ TWP. _____ RGE. _____ LOC. _____ COUNTY Rawlins STATE KS
 SIZE HOLE 7 7/8 DRILL PIPE _____ SIZE PUMP LINERS _____ LENGTH STROKE _____
 DATE 8-30-90 PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3900				
01	2:11	15	4	
02		18	3	
03		22	4	
04		25	3	
05		29	4	
06		31	2	
07		33	2	
08		35	2	
09		37	2	
10		39	2	CONN
11	2:45	47	2	
12		49	2	
13		51	2	
14		54	3	φ?
15		57	3	
16		3:01	4	
17		04	3	
18		07	3	
19		10	3	
3920		13	3	
21		16	3	
22		20	4	
23		23	3	
24		26	3	
25		28	2	
26		30	2	
27		33	3	
28		37	4	
29		41	4	
30		45	4	
31		48	3	
32		51	3	
33		54	3	
34		57	3	
35		4:00	3	
36		04	4	
37		07	3	
38		09	2	
39		11	2	
3940		13	2	
41		15	2	CONN
42	4:19	21	2	
43		23	2	
44		27	4	
45		31	4	
46		34	3	
47		37	3	
48		40	3	
49		42	2	
3950		45	3	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
3950				
51	4:45	47	2	
52		50	3	
53		53	3	
54		56	3	possible
55		59	3	
56		5:02	3	
57		05	3	
58		07	2	CONFIDENTIAL
59		10	3	
60		13	3	
61		16	3	
62		19	3	Circ 15-30x15-60
63	6:18	21	3	
64		25	4	
65		28	3	
66		31	3	
67		35	4	
68		38	3	
69		41	3	
3970		43	2	
71		45	2	
72		46	1	
73		48	2	CONN
74	54	56	2	
75		7:00	4	
76		03	3	
77		07	4	
78		10	3	
79		13	3	
3980		16	3	
81		19	3	
82		22	3	
83		25	3	
84		27	2	
85		30	3	
86		32	2	
87		35	3	
88		38	3	
89		42	4	
3990		45	3	
91		47	2	
92		50	3	
93		53	3	
94		56	3	
95		59	3	
96		8:01	2	
97		04	3	
98		08	4	
99		11	3	
4000		14	3	

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY Robert Schuelein Co. FARM Erickson WELL NO 11-24

SEC. TWP. RGE. LOC. COUNTY Rawlins STATE Ks.

SIZE HOLE DRILL PIPE SIZE PUMP LINERS LENGTH STROKE

DATE 8-30-90

PAGE NO.

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
4000				
01	8:14	18	4	
02		23	5	
03		27	4	
04		31	4	CONN
05	35	38	3	
06		41	3	U's 47
07		45	4	
08		48	3	
09		51	3	
40 10		53	2	
11		56	3	
12		59	3	
13		9:03	4	
14		06	3	
15		10	4	
16		14	4	
17		18	4	
18		22	4	
19		26	4	
40 20		28	2	
21		30	2	
22		33	3	
23		37	4	
24		41	4	
25		44	3	
26		48	4	
27		51	3	
28		53	2	
29		55	2	
40 30		57	2	
31		58	1	
32		59	1	
33		10:02	3	
34		05	3	
35		07	2	CONN
36	12	14	2	open Hopper
37		16	2	
38		18	2	
39		20	2	
40 40		22	2	
41		25	3	
42		29	4	
43		32	3	
44		35	3	
45		38	3	
46		41	3	
47		45	4	
48		50	5	
49		55	5	
40 50		59	4	

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51	59	11:04	5	
52		08	4	
53		12	4	
54		17	5	
55		21	4	CONFIDENTIAL
56		26	5	
57		31	5	
58		35	4	
59		40	5	
40 60	46	50	4	
61		54	4	
62		57	3	
63		59	2	
64		12:00	1	
65		02	2	
66		03	1	
67		05	2	CONN
68	09	11	2	
69		13	2	
40 70		15	2	T.D.
71				
72				
73				
74				
75				
76				
77				
78				
79				
40 80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
40 90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
41 00				

MURFIN DRILLING CO.

WICHITA, KANSAS

COMPANY _____ FARM _____ WELL NO _____

SEC _____ TWP _____ RGE _____ LOC _____ COUNTY _____ STATE _____

SIZE HOLE _____ DRILL PIPE _____ SIZE PUMP LINERS _____ LENGTH STROKE _____

DATE _____ Erickson 11-24 Trip out for log PAGE NO. _____

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
00				
01				6255
02				6276
03				6167
04				6098
05				6201
06				6208
07				6196
08				6320
09				497.21
10				
11				5994
12				6182
13				6235
14				6285
15				6289
16				6062
17				6279
18				6239
19				495.65
20				
21				6227
22				6262
23				6250
24				6300
25				6288
26				6173
27				6110
28				6289
29				498.99
30				
31				6185
32				6314
33				6150
34				6256
35				6230
36				6096
37				6279
38				6277
39				497.87
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				

DEPTH	DRILLING TIME			REMARKS
	BEGAN	ENDED	ACTUAL TIME	
50				
51				6204
52				6221
53				6096
54				6089
55				6232
56				6174
57				6143
58				6324
59				494.83
60				
61				6132
62				6242
63				6153
64				6336
65				6107
66				6363
67				6128
68				6314
69				497.75
70				
71				6222
72				6335
73				6291
74				6274
75				6294
76				6364
77				6396
78				6342
79				6231
80				567.49
81				
82				
83				
84				
85				Collars - 514.82
86				single - 30.80
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
00				

4097.95 Board
4095.41 Shot
2.54 Shot