

31429

Wehling Well Works, Inc., Beecher, Ill.

Phone 312-946-2244

R.H. Wehling 946-2464

C. Wheat 258-3487

Job: FRACER

DRILLING TIME REPORT

Hole Diameter, 15" Hammer Well No. Sec. Town Range

DEPTH		Points Weight	TIME		No. of Min.	REMARKS—CONNECTIONS—DOWN TIME
From	To		Start	Finish		
240	245		1:45	1:55	10	7/30/90
	50			2:00	5	
	55			2:10	5	
	60			2:15	5	
	65		7:25	7:54	29	CONN
	70			8:13	19	
	275			8:32	21	
	80			8:44	12	
	85			9:07	23	Lime
	90			9:32	25	CONN — 291' — ADJ. BRKS
	95		9:55	10:05	10	Hook up 3 con
	300			10:17	12	
	05			10:33	16	
	10			10:42	9	
	15			11:00	18	
	20			11:15	15	CONN 322'
	325		11:25	11:35	10	
	30			11:45	10	
	35			11:54	9	Y HAMMER 15"
	40		3:40	4:05	25	DRY w/mud Pumps 4 3/4" Roller Bit
	45			4:15	10	
	350			4:20	5	
	55			4:25	5	
	60			4:35	10	CONN 361'
	65		4:40	4:50	10	
	70			5:00	10	
	375			5:10	10	
	80			5:15	5	
	85			5:20	5	
	90			5:30	10	CONN 393'
	95		7:05	7:09	4	DRY Drill
	400			7:11	2	
	05			7:15	4	
	10			7:25	10	
	15			7:35	10	
	20			9:35	120	424' CONN

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Hole Diameter.

Well No.

Sec.

Town

Range

DEPTH		Points Weight	TIME		No. of Min.	REMARKS—CONNECTIONS—DOWN TIME
From	To		Start	Finish		
420	425		10:53	12:47	115	8/1/90
	430		12:47	1:17	30	Drilled into Void 432'
	435		6:35	6:50	15	
	440			7:05	15	
	445		8:20	8:35	15	BREAK 3 FT #
	450			8:50	15	CONN - 453' SHT
4000	455		7:09	7:19	15	Conn 155
	460			7:35	16	Lime
	465			7:55	20	Lime
	470			8:08	12	Lime
6000	475			8:52	44	
	480			9:30	38	Conn - 484' - Build Volume
	485		10:20	10:37	17	
	490			10:57	20	
	495			11:45	48	Lime
	500			12:10	25	
	505			12:55	45	
	510			1:57	62	Lime S.H.T
	515		8:00	9:12	22	CONN - 515' Work on
	520		9:18	10:45	87	#2 & #2 pumps
	525			11:45	60	Lime
	530			12:30	45	
	535			1:15	45	Dolomite
	540			1:55	40	
	545			2:50	55	CONN - 545'
	550		2:55	4:00	65	LIME
	555			4:50	50	LIME, BRN + GREEN Dolomite
	560			5:35	45	
	565			6:15	40	
	570			7:15	60	LIME
	575			7:50	35	CONT 577'
	580		7:55	9:10	75	HARD Lime
	585	14		10:55	105	
	590	12		12:05	70	
	595	10		12:50	45	
	600	6		1:20	30	

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DRILLING TIME REPORT

Job: TRAER

Hole Diameter. 14 3/4

Well No.

Sec.

Town

Range

DEPTH		Points Weight	TIME		No. of Min.	REMARKS CONNECTIONS DOWN TIME
From	To		Start	Finish		
600	05		1:20	2:00	40	8/14/90 CONN 608' SHT JET
	10		2:30	3:05	35	Line
	15			3:35	30	
	20			4:00	25	
	25			4:40	40	
	30			5:15	35	Lime - Dolomite
	35			5:45	30	
	40					CONN 639'
	45		5:50	6:32	42	
	50			7:00	28	Lime
	55			7:40	40	
	60			8:10	30	
	65			8:55	45	
	70			9:25	30	CONN - 670
	75		9:50	11:00	70	
	80			12:05	65	
	85			1:10	60	
	90			2:20	70	
	95			4:05	95	
	100			4:50	45	CONN - 701
	05		7:30 9:15	8:15 9:20	50	Pick up off Bottom mix mud
	10			10:00	40	GREEN Gummy SHALE - Dolomite
	15			10:45	45	
	20			11:45	60	8/15/90
	25			12:45	60	
	30		3:40	4:30	75	CONN 733' BUILD Volume MIX MUD
	35		4:15	5:10	55	+ LCM
	40			5:50	40	SHALE
	45			6:35	45	
	50			7:10	35	
	55			7:40	30	SHALE
	60			8:05	25	CONN 764' S.H.T
	65		8:38	9:05	27	SHALE
	70			9:30	25	
	75			9:55	25	
	80			10:25	30	

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Job: Frazer, Ia

DRILLING TIME REPORT

Hole Diameter: 14 3/4

Well No.

Sec.

Town

Range

DEPTH		Points Weight	TIME		No. of Min.	REMARKS—CONNECTIONS—DOWN TIME
From	To		Start	Finish		
780	785		10:25	10:55	20	8/14/90 SHALE
	90			11:15	20	
	95			11:30	15	CONN- 796'
	800		11:44	12:44	60	
	05			1:48	64	
	10			2:30	42	
	15			3:08	38	
	20			3:44	36	
	825			4:18	34	CONN- 827
	30		4:54	5:54	60	Lime
	35			7:00	66	
	40			8:00	60	
	45			8:40	40	
	850			9:40	60	SHALE
	55			10:50	70	CONN 859 S.H.T
	60					
	65		11:20	12:30	70	8/15/90
	70			1:35	65	SHALE
	875			3:00	85	SANDY LIME - SHALE
	80			4:25	85	
	85			6:00	95	
	90			6:50	50	CONN 890' - Scr Rig c pumps
	95		7:10	7:33	23	SHALE
	900			8:00	27	
	05			8:44	44	
	10			9:25	41	
	15			10:20	55	Lime
	20			10:50	30	CONN- 921
	925		11:00	11:48	48	SHALE
	30			12:58	70	Lime
	35			2:28	85	Lime Trip Change S.SUB. 4
	40		6:45	8:15	90	BIT LIME
	45			9:25	70	
	950			11:00	95	CONN- 953' DRILLED 7'
	55		11:05	12:35	90	
	60			2:15	100	LIME

Job: TRAER IOWA

Hole Diameter: 14 3/4" Date: 8/17/90 Well No. _____ Sec. _____ Town _____ Range _____

DEPTH		Points Weight	TIME		No. of Min.	REMARKS—CONNECTIONS—DOWN TIME
From	To		Start	Finish		
960	65		2:15	3:25	70	LIME
	70			4:55	90	
	75			6:20	85	LIME
	80			7:45	85	CONN- 984'
	85		8:15	9:35	80	
	90			11:00	85	LIME
	95			12:15	75	LIME & Some Dolomite 8/17/90
	1000	12/15 1:00	7:30	8:12	75	8/20/90
	05			9:20	68	LIME
	10			10:30	70	
	15			11:25	55	CONN- 1019'
	20		11:30	12:23	53	LIME
	25			1:25	62	
	30			3:05	100	LIME
	35			4:25	80	
	40			5:40	75	
	45			7:00	80	LIME
	1050			8:40	100	CONN- 1050 SHT
	55		9:15	11:05	110	8/21/90
	60			12:35	90	LIME
	65			2:35	120	
	70			4:40	125	LIME
	75			6:38	118	
	80			7:43	65	CONN 1082' - See RA
	85		7:54	9:20	86	
	90			10:25	65	
	95			11:30	65	
	1100			12:30	60	
	65			1:30	60	
	10			2:35	65	CONN- 1113'
	15		2:47	3:35	48	
	20			4:35	60	LIME
	25			5:40	65	
	30			7:10	90	
	35			8:15	65	
	1140			9:30	75	LIME

Drilling Well Works, Inc., Beecher, IL

312-946-2244

DRILLING TIME REPORT

1. Wehling 946-2464

Job: **TRIER IOWA**

8/21/90

Well No.

Sec. ^{1.5}
~~2.5~~

Town

Range

Hole Diameter. **14 3/4"**

DEPTH		Points Weight	TIME		No. of Min.	REMARKS—CONNECTIONS—DOWN TIME
From	To		Start	Finish		
1140	1145		9:30	10:30	60	LIME CONN. 1145'
	50		10:40	11:45	65	
	55			12:55	70	
	60			2:00	65	LIME
	65			3:25	85	
	70			4:50	85	LIME SOME SHALE
	75			6:25	95	CONN 1176'
	80		6:35	8:00	85	
	85			9:20	80	
	90			10:30	70	
	95			11:40	70	
	1200		11:40	1:15	95	
	05		2:35 2:45	8:25	120	CONN - 1208
	10		3:33	5:28	121	
	15			6:25	57	green shale some lime
	20		7:30	8:25	60	REPLACE ROTARY CHAIN
	25			9:15	50	SHALE LIME
	30			9:30	15	LIME SHALE
	35			9:55	25	LIME SHALE
	40					CONN - 1239'
	45		10:15	10:30	15	SERVICE RIC & Pumps
	1250			10:40	10	SHALE LIME
	55			10:55	15	SHALE LIME
	60			11:10	15	SHALE LIME
	65			12:20	70	GREEN Gummy SHALE SAND LIME
	70			1:25	65	1271' CONN. LIME SAND SHALE
	75			2:00	35	LIME SAND
	80			2:30	30	LIME SAND Dolomite
	85			3:00	30	LIME SAND Dolomite
	90			3:50	50	LIME
	95			4:40	50	LIME
	1300			5:10	30	CONN 1303
	05		5:15	5:55	40	LIME
	10			6:30	35	LIME
	15			7:00	30	
	20			7:15	7:45	45

Shling 946-2464

TRACER

Sample

124

8/27/90

Well No.

Sec.

Town

Range

DEPTH		Points Weight	TIME		No. of Min.	REMARKS—CONNECTIONS—DOWN TIME
From	To		Start	Finish		
1325			8:30	9:03	33	
30				9:36	33	Lime
35			10:00 10:40	11:12	46	
40				12:00	58	CONN- 1340
45			12:05	12:58	53	Lime
1350				1:40	42	
55				2:45	65	
60				3:35	50	Lime
65				4:20	45	
70				5:15	55	CONN- 1370
75			5:20	5:50	30	
80				6:40	50	Lime
85				7:15	35	
90				7:55	40	
95				8:30	35	
1400				9:10	40	CONN 1400
05			9:15	9:45	30	Lime
10				10:20	35	
15				11:05	45	
20				11:20	15	SANDY Lime
25				11:45	25	
30				12:05	20	CONN 1432' 8/28/90
35			12:10	12:40	30	
40				1:30	50	Lime SANDY Lime
45				2:15	45	
1450				2:30	15	SANDY Line - SAND
55				3:30	60	Lime - SANDY Line
60				4:35	65	CONN 1462
65			4:40	5:45	65	
70				6:53	68	
1475				7:37	44	Lime
80				7:57	20	SAND E' Lime
85				8:38	41	
90				9:18	40	CONN. 1493
95			9:30	10:03	33	SANDY Lime
1500				10:48	45	

Wehling Well Works, Inc., Beecher, IL

312-946-2244

DRILLING TIME REPORT

R. H. Wehling 946-2464

Job: TRACER, IA

8/28/90

2:44

call 9:00

Hole Diameter. 12 1/4

Well No.

Sec.

Town

Range

DEPTH		Points Weight	TIME		No. of Min.	REMARKS—CONNECTIONS—DOWN TIME
From	To		Start	Finish		
1500	1505		10:48	12:00	72	8/28/90
	10			1:08	68	
	15			1:52	44	
	20			3:00	68	
	1525		6:00	6:40	40	trip work on B.T. & Rig CONN - 1524'
	30			7:15	40	
	35			7:35	20	LIME SAND
	40			7:50	15	SAND LIME
	45			8:10	20	
	1550			8:25	15	
	55			8:50	20	1556' down
	60		8:55	9:15	20	
	65			10:00	45	LIME w/ SAND STREAKS
	70			10:30	30	
	1575			11:15	45	
	80			11:45	30	8/29/90
	85			12:35	50	
	90		12:40	1:40	60	1587' CONN
	95			2:10	30	LIME w/ SAND STREAKS
	1600			2:45	35	
	05			3:30	45	
	10			4:40	70	Lime
	15			5:50	70	CONN 1618'
	20		5:55	6:40	45	
	1625			7:23	43	Lime
	30			7:55	32	
	35			8:20	25	
	40			8:46	26	Lime
	45			8:59	13	
	1650			9:16	17	CONN - 1649'
	55		9:25	9:52	27	
	60			10:13	23	Lime
	65			10:30	17	
	70			10:50	20	
	1675			11:12	22	Lime

ling Well Works, Inc., Beecher, IL

312-946-2244

DRILLING TIME REPORT

i. Wehling 946-2464

o: TRACER, TA

8/29/90

Hole Diameter.

14 12 1/4

Well No.

Sec.

Town

Range

DEPTH		Points Weight	TIME		No. of Min.	REMARKS—CONNECTIONS—DOWN TIME
From	To		Start	Finish		
1675	1680		11:12	11:28	16	Lime CONN - 1680'
	85		11:34	12:01	27	Lime
	90			12:11	10	SAND
	95			12:28	17	
	1700			12:53	25	
	05			1:13	20	
	10			1:40	27	Conn. 1711
	15		1:47	2:11	24	
	20			2:20	9	
	1725			2:33	13	
	30			2:55	22	
	35			3:01	7	
	40			3:07	6	CONN - 1743'
	45		3:14	3:26	12	
	1750			3:36	10	
	55			3:44	8	
	60			3:50	6	
	65			3:58	8	
	70			4:07	9	
	1775			4:29	22	CONN - 1775'
	80					
	85					
	90					
	95					
	1800					
	05					
	10					
	15					
	20					