Dysart

1 Abandoned

Dysart # 3 (1974-75)

Depth 1850'

Loc. c/N½ SE SE 13-85N-13W

600 gpm

Pumping Level

399'

S.L. 260'

No Sand

Info from McElhinney

VARNER WELL AND PUMP CO.

Dysart #3

Hole Diameters:

23" 0-200'
18" 200-610'
15¼" 610-1260'
9 3/4" 1260-1840'

Casing:

20" 0'-200'
14" +3'-604'
14" x 10" Swedge 604'-606'
10" 606'1259'

Well was not acidized, no development

VARNER WELL & PUMP CO.
DUBUQUE, IOWA

WELL TEST DATA SHEET

Job: Dysart, Iowa
Location: City

Date tested: Tuesday, December 17, 1974
Tested by: Varner Well & Pump Co.

Dia. of well: 9 7/8" x 14"
Depth of well: 1,840'
Length of airline: 400'
Non-pumping level: 259'
Orifice size: 8" x 6"

Pump used: Driver: 1271 Detroit Deisel (Gear Head 2x3)
Column and shaft: 8" x 1½"
Bowls: 12" MA 9 Stage
Manufacturer: Peerless
Serial No.:

TIME	PIZOMETER READING (IN.)	G. P. M.	AIR GAUGE READING (FEET)	PUMPING LEVEL	DRAWDOWN	DISCH. PRESSURE		TOTAL PUMPING HEAD	TEMP.	REMARKS
						LBS.	FEET			
3:40 a.m.	0	0	259'		0		0			START OF TEST
3:42										
3:44										
3:46										
3:48	Start Pump									
3:50	8"	440	341'	341'	82'					
3:52	8"	440	348'	348'	89'					
3:54	7½"	420	348'	348'	89'					
3:56	7½"	420	349'	349'	90'					
3:58	7½"	420	349'	349'	90'					
4:00	8"	440	350'	350'	91'			Increase Pump		
4:05	8"	440	351'	351'	92'					
4:10	12½"	550	382'	382'	123'					
4:15	16"	620	395'	395'	136'			Increase Pump		
4:20	15"	600	395'	395'	136'					
4:25	14½"	587	395'	395'	136'					
4:30	14½"	587	395'	395'	136'					
4:45	14"	575	395'	395'	136'					
5:00	14"	575	395'	395'	136'					
5:15	13½"	567	395'	395'	136'					
5:30	13½"	567	395'	395'	136'					
5:45	13½"	567	395'	395'	136'					
6:00	13½"	567	395'	395'	136'					
6:30	13"	560	395'	395'	136'					
7:00	13"	560	395'	395'	136'					
7:30	15"	600	398'	398'	139'			Increase Motor		

VARNER WELL & PUMP CO.
DUBUQUE, IOWA

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Bowls: 12" MA 9 Stage
Manufacturer: Peerless
Serial No.:

TIME	PIZOMETER READING (IN.)	G. P. M.	AIR GAUGE READING (FEET)	PUMPING LEVEL	DRAWDOWN	DISCH. PRESSURE LBS.	DISCH. PRESSURE FEET	TOTAL PUMPING HEAD	TEMP.	REMARKS
7:30	15"	600	399'	399'	140'					START OF TEST
8:00	15"	600	399'	399'	140'					
8:30	15"	600	399'	399'	140'					
9:00	15"	600	399'	399'	140'					
9:30	15"	600	399'	399'	140'					
10:00	15"	600	399'	399'	140'					
10:30	15"	600	399'	399'	140'					
11:00	15"	600	399'	399'	140'			399		
11:30	15"	600	399'	399'	140'			399		
12:00	15"	600	399'	399'	140'			399		
12:30	15"	600	399'	399'	140'			399		
1:00	15"	600	399'	399'	140'			399		
1:30	15"	600	399'	399'	140'			399		
2:00	15"	600	399'	399'	140'			399		
2:30	15"	600	399'	399'	140'			399		
3:00	15"	600	399'	399'	140'			399		
3:30	15"	600	399'	399'	140'					Stopped at 3:32
3:40	0	0	292'							
3:43			290'							
3:45			289'							
3:46			288.5'							
3:48			288'							
3:50			286'							
3:53			285.5'							
3:56			284'							
4:00			283'							

VARNER WELL & PUMP CO.
DUBUQUE, IOWA

WELL TEST DATA SHEET

Job _____ Date tested _____

Location _____ Tested by _____

Dia. of well _____ Pump used: Driver _____

Depth of well _____ Column and shaft _____

Length of airline _____ Bowls _____

Non-pumping leve _____ Manufacturer _____

Orifice size _____ Serial No. _____

Recovery - Dysart, Iowa Well #3 December 17, 1974

TIME	PIZOMETER READING (IN.)	G. P. M.	AIR GAUGE READING (FEET)	PUMPING LEVEL	DRAWDOWN	DISCH. PRESSURE		TOTAL PUMPING HEAD	TEMP.	REMARKS
						LBS.	FEET			
4:05	0	0	282'		0		0			START OF TEST
4:10			281'							
4:15			280'							
4 :20			280'							
4:25			279'							
4 :30			278'							
4 :45			277'							
5:00			276'							
5 :15			275'							
5 :30			274'							
5 :45			273'							
6:00			272'							
7:00			269'							
Wednesday Morning - December 18, 1974										
8:00 a.m.			262' Air Line							

S.W.L. Checked with steel line 12/19/74 - 256'

Total Depth checked at steel line 12/19/74 - 1,845

*Air Line and Steel Line Readings all Recorded 7' Above Ground Level.

11-20-74

RE: Dysart Jordan well #3

I have examined the uncut samples from the new Dysart Jordan well and believe the formation tops to be as follows.

St. Peter	1163'
P. du Ch.	1200'

Jack Dillmore
Research Geologist

Samples brought in by driller (Verner) to depth of 1215 ft.

Total depth 1840'

Satellite Industries
1" 377-2117

DAILY DRILLING REPORT

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BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

SATELLITE Ind

Date 10/29/74
Job
Hole No.
Rig No.
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
65	70	8:55	9:20	25		SAND & CLAY		26:10 - 28:23
	75		9:44	20		"	"	28:25 - 30:98
	80							30:18 - 31:16
	85							31:55 - 21:71
	90		11:39	16		SAND		
	95		11:90	16		CONN @ 95		
	100	12:20	12:39	19				
	05		1:00	21				
	10		1:10	10				
	15		1:25	15		CONN. @ 120'		
	20		1:40	15				
	125	2:10	2:20	10		SAND		
	30		2:33	13				
	35		2:55	22		SAND & GRAVEL		
	90		3:35	40		SAND & GRAVEL (SOME SHALE)		
	45		4:05	40				
	150		5:00	55		CONN @ 150'		
	55	5:34	5:47	13				
	60		6:05	18				
	65		6:23	18				
	70		6:40	18				
	175		7:07	27			LIME STREAK	
	80		7:57	50		CONN @ 180'	SAND MIX MUD	
	85	8:40	9:45	65				
	90	10:15	1:05	170			LIME	NEW GASKET ON PUMP SCREEN COVER
	95		2:50	105				
200			4:45	115				
205			7:00	135				

ADDITIONAL REMARKS, ETC.

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BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Oct. 28 74
Job Dysart, Iowa
Hole No. #3
Rig No. N-4 Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
200	201	4:35	4:58	23			Lime	17½" hole @ Button B.T.
	02		5:20	22				
	03		5:45	25				
	04		6:05	20				
	205		6:28	23			Lime	
	06		6:50	22				
	07		7:13	23				
	08		7:35	22				
	09		8:00	25				
	210		8:25	25			Lime	
	11		8:50	25				
	12		9:18	28				
	13		9:38	20				
	14		9:56	18				
	15		10:21	25				
	16		10:50	29				
	17		11:07	17				
	18		11:26	19				
	19		11:42	16				
	220		12:05	13				Conn @ 220.
	21	12:32	12:46	14			Lime	(Some shale)
	22		1:00	14				
	23		1:25	25				
	24		1:45	20				
	25		2:05	20				
	26		2:30	25				
	27		3:10	40				
	28		3:45	35				
	29		4:15	30				
	230		4:45	30				

ADDITIONAL REMARKS, ETC. _____

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MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Oct. 29, 1954
Job OYSARI, IOWA
Hole No. #3
Rig No. U-4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
230	231	4:45	5:20	35			LIME	
	32		5:43	23				
	33		6:07	24				
	34		6:45	38				
	235		7:40	55				
	36		8:05	25				
	37		8:17	12				
	38		8:30	13				
	39		8:47	17				
	240		8:49	12			LIME	
	41		9:09	10				
	42		9:20	10				
	43		9:30	10				
	44		9:40	10				
	245		9:55	15			Core @ 245'	
	46	10:34	10:51	17			Serv. Rig C.P.O.	
	47		11:10	19			Tighten Drawworks Brakes	
	48		11:30	20				
	49		11:50	20				
	250		12:10	20			LIME	
	51		12:30	20				
	52		12:48	18				
	53		1:02	14				
	54		1:22	20				
	255		1:45	23				
	56		2:10	25				
	57		2:30	20				
	58		2:48	18				
	59		3:06	18				
	260		3:20	14			LIME	

ADDITIONAL REMARKS, ETC. _____

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MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Oct 29, 74
Job Dysart, Dower
Hole No. #3
Rig No. N-4 Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
260	261	3:30	3:45	25			LIME	
	62		4:05	20				
	63		4:35	30				
	64		5:05	30				
	265		5:30	25			LIME	
	66		5:55	25				
	67		6:12	17				
	68		6:27	15				
	69		6:48	21				
	270		6:55	7			LIME	
	71		7:03	8				
	72		7:12	9				
	73		7:21	9				
	74		7:30	9				Conn Ser Rig - Swivel
	275	7:53	8:07	14			Lm. Broken & C. F.S.	
	76		8:20	13			@ Shale	
	77		8:32	12				
	78		8:42	10				
	79		8:52	10				
	280		9:02	10			Lm @ Shale	
	81		9:12	10				
	82		9:22	10				
	83		9:32	10				
	84		9:38	6				
	285		9:47	9			Lm @ Shale	
	86		9:53	6				
	87		10:01	8				
	88		10:12	11				
	89		10:19	7				
	290		10:25	6			Lm @ Shale	

ADDITIONAL REMARKS, ETC. _____

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BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Oct. 29 & 30, 74
Job Dysart, Iowa
Hole No. #3
Rig No. N-4 Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
290	291	10:25	1030	5			LIME	
	92	10:33	10:36	6				
	93	10:43	10:43	7				
	94		10:55	12				
	295		11:14	19				
	96		11:25	11				
	97		11:32	7				
	98		11:44	12				
	99		12:00	16				
	300		12:15	15		Conn. @ 300'		
	01	12:40	12:50	10			C.P.S.	
	02		1:06	16				
	03		1:41	35			LIME	
	04		2:15	34				
	305		2:50	35				
	06		3:26	36				
	07		4:05	41				
	08		4:45	40				
	09		5:20	35				
	310		5:50	30				
	11		6:14	24				
	12		6:45	31				
	13		7:20	35				
	14		8:00	40				
	315		8:25	25				
	16		9:00	35				
	17		9:27	27				
	18		9:47	20				
	19		10:15	28				
	320		10:41	26				

ADDITIONAL REMARKS, ETC.

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161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Oct. 30, 1924
Job DYSART, IOWA
Hole No. 3
Rig No. N-4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
320	321	10:38	12:15	20			New Rod OILER PUMP	
	22		12:31	16			LIME	
	23		12:47	16				
	24		1:03	16				
	325		1:23	20		Conn.	@ 325	#11 DRILL COLLAR
	26	1:54	2:25	31				
	27		2:46	21				
	28		3:08	22				
	29		3:28	20				
	330		3:50	22			LIME	
	31		4:20	30				
	32		4:43	23				
	33		5:05	22				
	34		5:28	23				
	335		5:50	22			LIME	
	36		6:10	20				
	37		6:32	22				
	38		6:55	23				
	39		7:15	20				
	340		7:30	15			LIME	
	41		7:47	17				
	42		8:03	16				
	43		8:19	16				
	44		8:35	16				
	345		8:50	15			LIME	
	46		9:07	17				
	47		9:25	18				
	48		9:48	23				Conn @ 348
	49	10:02	10:31	29				
	350		10:50	19				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

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161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Oct. 30 & 31, 74
Job Dysart Dairy
Hole No. #3
Rig No. N-4 Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
350	351	10:50	11:10	20				
	52		11:31	21			LIME	
	53		11:51	20			DOLOMITE	
	54		12:20	29				
	355		12:45	25				
	56		1:10	25				
	57		1:35	25				
	58		2:05	30				
	59		2:30	25				
	360		2:55	25				
	61		3:15	20			LIME	
	62		3:55	35				
	63		4:25	30				
	64		4:55	25				
	365		5:10	15				
	66		5:28	18				
	67		5:43	15				
	68		5:51	8				
	69		6:05	14				
	370		6:22	17				
	71		6:40	18			LIME	
	72		6:57	17				
	73		7:09	12				
	74		7:29	20				
	375		7:43	14				
	76		7:53	10				
	77		8:00	7				
	78		8:08	8				
	79		8:16	8				
	380		8:28	12			Conn. @ 380'	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

DAILY DRILLING REPORT

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BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Oct. 31
Job DYSART IOWA
Hole No. 3
Rig No. W-4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
380	381	8:40	8:46	6			Lm & Dolo.	
	82		9:00	14				
	83		9:16	16				
	84		9:36	20				
	385		9:53	17				
	86		10:01	8				
	87		10:10	9				
	88		10:20	10				
	89		10:32	12				
	390		10:44	12			Lime & Shale	
	91		11:00	16			Ser Rig & C.P.S.	
	92	11:20	11:27	7				
	93		11:33	6				
	94		11:39	6				
	395		11:45	6			Shale & Lime	
	96		11:58	13				
	97		12:07	9				
	98		12:16	9				
	99		12:30	14				
	400		12:40	10				
	01		12:51	11				
	02		1:01	10				
	03		1:14	13				
	04		1:27	13				
	405	2:00	2:09	9			Repair pump Screen	
	06		2:18	9				
	07		2:38	20				
	08		3:08	20				
	09		3:28	20				
	410		3:48	20				

ADDITIONAL REMARKS, ETC. _____

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☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Oct. 31 74
Job Dysart Iowa
Hole No. #3
Rig No. G.A. Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
4108	4112	3:48	4:02	14			Sdy Lime	Running 4 411
	12	4:23	4:38	10			+ Shale	C.P.S.
	13		4:47	9				
	14		4:55	8				
415			5:03	8				
	16		5:10	7				
	17		5:18	8				
	18		5:26	8				
	19		5:33	7				
420			5:44	11			Sdy Lime	@ Shale.
	21		5:56	12				
	22		6:06	10				
	23		6:16	10				
	24		6:28	12				
425			6:43	15				
	26		7:15	32				
	27		8:00	45				
	28		8:45	45				
	29		9:20	35				
430			9:45	25			Lime @ Chert	
	31		10:10	25				
	32		10:35	25				
	33		11:10	35				
	34		11:30	25				
435			11:45	15				
	36		12:06	21				
	37		12:21	15				
	38		12:42	21				
	39		1:00	18				
440			1:10	10			Core @ 440'	

ADDITIONAL REMARKS, ETC. _____

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161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 1, 1924
Job DYSART, Iowa
Hole No. 3
Rig No. W-4 BROWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
440	441	1:30	2:02	32		C.P.S.	Lime & Chert	
	442		2:28	26				
	443		2:50	22				
	444		3:20	30				
	445		3:40	20				
	446		4:10	30				
	447		4:40	30				
	448		5:05	25				
	449		5:25	20				
	450		5:40	15			Lime	
	451		5:50	10				
	452		6:02	12				
	453		6:16	14				
	454		6:30	14				
	455		6:38	8			Lime & Shale	
	456		6:45	7				
	457		6:50	5				
	458		6:59	9				
	459		7:13	14				
	460		7:25	12				
	461		7:37	12				
	462		7:51	14				
	463		8:05	14				
	464		8:25	20				
	465		9:20	55				
	466		10:15	55				
	467		10:45	30				
	468		11:15	30				
	469		11:37	22				
	470		11:58	21				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 1, 74
Job DYSART, IOWA
Hole No. #3
Rig No. N.4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
470	471	11:58	12:18	20			Lm & CHERT.	
	72		12:35	17				
	73		12:50	15				
	74		1:17	27				
	475		1:35	18			CONN SER RIG & C.P.S.	
	76	1:49	2:05	17				& SWIVEL.
	77		2:25	20				
	78		2:50	25				
	79		3:20	30				
	480		3:42	22				
	81		4:02	20				
	82		4:22	22				
	83		4:45	23				
	84		5:07	22				
	485		5:30	23			Lm & CHERTY	
	86		5:50	20				
	87		6:10	20				
	88		6:30	20				
	89		7:00	30				
	490		7:28	28			Lm & CHERT	
	91		7:48	20				
	92		8:08	20				
	93		8:33	25				
	94		8:58	25				
	495		9:20	22			Lm & CHERT.	
	96		9:45	25				
	97		10:15	30				
	98		10:29	14				
	99		10:53	24				
	500		11:27	34				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 2, 1974
Job OYSART, IOWA
Hole No. 3
Rig No. W-4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
500	501	11:47	12:06	39			LIME & Chert	
	02	1:	12:45	39				
	03		1:20	35				
	04		1:50	30				
	505		2:15	25	Conn @ 505		Serv. Rig.	
	06	2:29	2:44	15			C.P.S	
	07		2:52	8				
	08		3:01	9				
	09		3:24	23				
	510		3:50	26				
	11		4:20	30				
	12		4:55	35				
	13		5:22	29				
	14		5:50	28				
	515		6:10	20				
	16		6:31	21				
	17		6:51	20				
	18		7:10	19				
	19		7:33	23				
	520		7:55	22				
	21		8:15	20				
	22		8:40	25				
	23		9:02	22				
	24		9:27	25				
	525		9:52	25	Come Out Of Hole For Weekend			
	26	12:13	12:33	20	Clean out Pits & Back To Bottom			
	27		12:52	19				Nov. 4, 74
	28	1:00	1:15	23				
	29		1:40	25				
	530		2:10	30				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 4, 74
Job DYSART, IOWA
Hole No. #3
Rig No. N.4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
530	531	2:10	2:30	20			LIME	
	32		2:55	25				
	33		3:22	27				
	34		3:48	26				
	535		4:15	27			LIME	
	36		4:40	25				CONN KELLY 1' LONG
	37	5:25	5:50	25				C.P.S.
	38		6:20	30				
	39		6:40	20				
	540		7:00	20			LIME	
	41		7:21	21				
	42		7:43	22				
	43		8:05	22				
	44		8:15	10				
	545		8:26	11			LIME	
	46		8:55	29				
	47		9:18	23				
	48		9:29	11				
	49		9:39	10				
	550		9:47	8				
	51		10:00	13				
	52		10:14	14				
	53		10:29	15				
	54		10:50	21				
	555		11:10	20				
	56		11:31	21				
	57		11:54	23				
	58		12:15	21				
	59		12:37	22				
	560		1:00	23				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 5, 1924
Job DYSART, IOWA
Hole No. 3
Rig No. U-4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
560	561	1:00	1:20	25			Lime (Some Chert)	
	62		1:46	26				
	63		2:14	18				
	64		2:35	21				
	565		3:01	26			Lime + Chert	
	66		3:25	24			Conn. 566' 1" Long Kelly	
	67	3:45	4:09	24			Ser. Rig. OB	
	68		4:37	26				
	69		5:10	33				
	570		5:45	35			Lime + Chert	
	71		6:15	30				
	72		6:30	15				
	73		6:50	20				
	74		7:12	22				
	575		7:34	22			Lime	
	76		7:50	16				
	77		8:06	16				
	78		8:26	20				
	79		8:46	20				
	580		9:04	15			Lime	
	81		9:20	16				
	82		9:37	17				
	83		9:57	20				
	84		10:15	18				
	585		10:35	20			Lime	
	86		10:55	20				
	87		11:11	16				
	88		11:33	22				
	89		11:55	22				
	590		12:30	25			Lime	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 5, 74
Job DYSART, IOWA
Hole No. #3
Rig No. N-4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
590	591	12:30	1:07	37			LIM & CHERT.	
	92		1:26	22				
	93		1:56	30				
	94		2:20	24				
	595		2:55	35				
	96		3:30	35				KELLY 1' LONG
	97		4:05	35				CONN @ 597' SERIG
	98	4:20	4:55	35				C.P.S.
	99		5:45	50			RED	
	600		6:21	36			SHALE.	
	01		6:52	31				
	02		7:24	32				
	03		8:00	36				
	04		8:28	28				
	05		8:48	20			SHALE RED + GRAY	
	06		9:05	17				
	07		9:33	28				
	08		9:54	21				
	09		10:12	18			GRAY SHALE	
	610		10:40	28		TRIP	FOR BIT	15"
	11	1:30	1:34	14				
	12		1:46	12				
	13		1:59	13				
	14		2:11	12				
	15		2:25	14			SHALE	
	16		2:36	11				
	17		2:49	13				
	18		2:59	10				
	19		3:11	12				
	620		3:22	11				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Nov. 6
Date Nov. 6, 1924
Job DYSART, IOWA
Hole No. 3
Rig No. 1-4 BECKSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
620	621	3:22	3:35	12			SHALE	
	22		3:45	10			)	
	23		3:55	10			)	
	24		4:07	12			)	
	625		4:19	12			SHALE	
	26		4:31	12			}	
	27		4:44	13			}	
	28		4:56	12			}	
	29		5:08	14			CASE. @ 629' KELLY 1' LONG	
	630	5:25	5:42	17			SHALE (SOME DOLO.)	
	31		5:57	15			)	
	32		6:11	14			)	
	33		6:25	14			)	
	34		6:40	15			)	
	635		6:55	15			SHALE	
	36		7:05	10			)	
	37		7:18	13			)	
	38		7:30	12			)	
	39		7:45	15			SHALE	
	640		8:00	15			)	
	41		8:13	13			)	
	42		8:25	12			)	
	43		8:40	15			)	
	44		8:53	13			)	
	645		9:06	13			)	
	46		9:20	14			)	
	47	11:15	11:29	14			REPLACE VALVE + SEAT (DISCHARGE)	
	48		11:43	14			IN PUMP	
	49		11:56	13			)	
	650		12:10	14			SHALE.	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov 6, 74
Job DYSART, IOWA
Hole No. #3
Rig No. N.4 BRUNSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
650	651	12:10	12:20	10			Shale.	
	52		12:30	10				
	53		12:38	8				
	54		12:50	12				
	655		1:03	13				
	56		1:16	13				
	57		1:30	14				
	58		1:41	11				
	59		1:52	11				Coal @ 659
	660	2:00	2:10	10			Shale	
	61		2:20	10				
	62		2:33	13				
	63		2:43	10				
	64		2:54	11				
	665		3:07	11				
	66		3:20	13				
	67		3:37	17				
	68		3:55	18				
	69		4:07	12				
	670		4:25	18			Shale	
	71		4:40	15				
	72		4:55	15				
	73		5:10	15				
	74		5:28	18				
	675		5:45	17			Shale	
	76		6:00	15				
	77		6:18	18				
	78		6:33	15				
	79		6:48	15				
	680		7:02	14			Shale	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☒ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 11-6-74
Job DYSART IOWA
Hole No. #3
Rig No. N 4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
680	91	7:02	7:20	18			SHALE	
	92		7:35	15				
	93		7:50	15				
	94		8:10	20				
	685		8:30	20				
	86		8:50	20				
	87		9:03	13				
	88		9:15	12				
	89		9:27	12				CORR @ 689' 4 C.P.S.
	690		9:40	13			SHALE	
	91		9:56	16				
	92		10:08	12				
	93		10:20	12				
	94		10:31	11				
	695		10:44	13			SHALE	
	96		10:52	8				
	97		11:02	10				
	98		11:20	18				
	99		11:35	15				
	700		11:50	15			SHALE	
	01		12:07	17				
	02		12:27	20	(HARD STREAK)			
	03		12:55	28				
	04		1:20	25				
	705		1:43	23			SHALE	
	06		2:00	17				
	07		[illegible]	20				
	08		[illegible]	12				
	09		[illegible]	20				
	710		[illegible]	24				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 7, 1954
Job DYSART, IOWA
Hole No. 3
Rig No. U-4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
710	711		3:41	28			SHALE	
	12	3:26	4	18				
	13		4:38	24				
	14		5:05	27				
715			5:30	25			SHALE	
16			5:55	25				
17			6:20	25				
18			6:45	25				
19			7:10	25			CONN. @ 719'	
720		7:35	8:00	25			SHALE	
21		8:00	8:15	15				
22			8:27	12				
23			8:43	16				
24			9:00	17				
725			9:26	26			SHALE - SOME CHERT	
26			9:56	30				
27			10:25	29				1 HR + 6 MIN.
28			10:44	19			TORQUE CONV.	LINE BUSTED ON D.W.
29		12:50	12:05	15				
730			12:20	15			SHALE	
31			12:35	15				
32			12:50	15				
33			1:05	15				
34			1:20	15				
735			1:38	18				40 MIN
36			2:00	22			FUEL LINE	& FUEL FILTER ON
37		2:40	3:00	20				OUT SIDE PUMP MTR.
38			3:20	20				
39			3:40	20			SHALE	
740			4:00	20				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date

Job 11-7-74

Hole No. #3 Dysart, Iowa

Rig No. #4 Bucyrus

Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
740	741	4:00	4:25	25			Shale	
	42		4:53	28				
	43		5:17	24				
	44		5:45	28				
	745		6:20	35				
	46		6:55	35				
	47		7:25	30				
	48		7:50	25				
	49		8:15	25				
	750		8:40	25			Conn. & C.P.S.	
	51	8:55	9:15	20				
	52		9:35	20				
	53		9:53	18				
	54		10:12	19				
	755		10:35	23			Shale	
	56		10:57	22				
	57		11:27	30				
	58		12:02	35			C.P.S. Air off Pump	
	59	1:25	1:42	17			Work On Pump - Stuck Valve	
	760		2:00	18				
	61		2:21	21				
	62		2:43	22				
	63		3:05	22				
	64		3:26	21				
	765		3:45	19			SHALE	
	66		4:05	20				
	67		4:27	22				
	69		4:54	27				
	69		5:26	32				
	770		5:54	28				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 11-8-74
Job
Hole No. #3 Bryant, Ia
Rig No. N-4 Driller
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
770	771	5:54	6:25	31			Shale	
	72		7:00	35				
	73		7:22	22				
	74		7:40	18				
	775		8:05	20			Shale	
	76		8:32	27				
	77		9:00	28				
	78		9:30	30				
	79		10:00	30				
	850	10:16	10:30	14				
	81		10:48	18				
	82		11:05	17			Core 782'	
	83		11:20	15				
	84		11:43	23				
	785		12:07	24			Shale	
	86		12:30	23				
	87		12:55	25				
	88		1:20	25				
	89		1:40	20				
	790		2:00	20			Shale	
	91		2:20	20				
	92		2:40	20				
	93		3:00	20				
	94		3:26	26				
	795		3:53	27				
	96		4:20	27				
	97		4:50	30				
	98		5:26	36				
	99		6:00	34				
	800		6:35	35			Shale	

ADDITIONAL REMARKS, ETC.

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 11-8-21
Job DYSART, IOWA
Hole No. 3
Rig No. W-4 ORCHESTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
800	801	6:25	7:10	35			SHALE	
	02		7:45	35				
	03		8:20	35				
	04		8:55	35				
	805		9:30	35			SHALE	
	06		10:06	36				
	07		10:41	35				
	08		11:20	39				
	09		12:00	40			SHALE (SOME CHERT)	
	810	12:20	1:05	45			CONT.	
	11		1:55	50				
	12		2:41	32				
	13		3:25	44				
	14		4:20	45			SHALE + CHERT	
	815		5:03	43				
	16		6:00	57				
	17		6:42	42				
	18		7:33	46				
	19		8:20	47				
	820		9:09	49				
	21		9:57	48			SHUT DOWN FOR WEEK END	
	22	12:35	1:14	39			FUEL OFF AT VALVE	
	23		1:35	21			SERV RIG GO IN HOLE TO 11	
	24		1:50	15				
	825		2:07	17			SH & LIME	
	26		2:20	13				
	27		2:32	12				
	28		2:45	13				
	29		2:59	14				
	830		3:15	16			SH. & LIME	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 11, 28
Job Dysart Iowa
Hole No. # 3
Rig No. N 1 Bucyrus
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
830	831	3:15	3:27	12			Sh & Lm	
	32		3:38	11				
	33		3:50	12				
	34		4:01	11				
	835		4:13	12				
	36		4:25	12				
	37		4:38	13				
	38		4:53	15				
	39		5:08	15				
	840		5:20	12				
	41		5:30	10				
	42		5:40	10				
	43		5:47	7				Coup. & Kelly hose
	44	6:00	6:15	15				
	845		6:30	15			Sh & Lm	
	46		6:42	12				
	47		6:52	10				
	48		7:02	10				
	49		7:15	13				
	850		7:30	15				
	51		7:44	14				
	52		8:00	16				
	53		8:15	15				
	54		8:30	15				
	855		8:45	15			Sh & Lm.	
	56		9:01	15				
	57		9:17	17				
	58		9:35	18				
	59		9:52	17				
	860		10:05	13				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 11-11-74
Job DYSART, IOWA
Hole No. # 3
Rig No. N.4 BREWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
860	861	1:05	10:16	11			SHALE + LIME	
	62		10:27	11				
	63		10:40	13				
	64		10:56	16				
	865		11:09	13				
	66		11:25	14				
	67		11:49	24				
	68		12:34	40				
	69		12:45	21				
	870		1:00	15		Conn.	870'	
	71	1:14	1:29	15	Serv. Rig			
	72		1:43	14				
	73		1:59	16				
	74		2:15	16				
	875		2:31	21			SHALE + LIME	
	76		2:55	24				
	77		3:20	25				
	78		3:46	26				
	79		4:21	35				
	880		5:00	39			SHALE + LIME	
	81		5:31	31				
	82		5:59	28				
	83		6:30	31				
	84		7:02	32				
	885		7:13	31			SHALE + LIME	
	86		7:35	22				
	87		8:00	25				
	88		8:21	21				
	89		8:42	21				
	890		9:04	22				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 12, 1924
Job Oysart Block 4.
Hole No. 3
Rig No. 4-4 BROWSTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1 70	01	7:57	9:53	19			Mostly Lime, Some Shale	
	02		10:10	17				
	03		9:56	16				
	04		10:15	19				
	05		10:32	17			Lime	
	06		10:50	18				
	07		11:07	17				
	08		11:25	18				
	09		11:43	18				
	10		12:02	19			Lime	
	11		12:20	18				
	12		12:37	17				
	13		12:57	20				Comm @ 903
	14	1:15	1:35	20				Ser Rig & Swivl.
	15		2:00	25			Lime	
	16		2:25	25				
	17		2:50	25				
	18		3:13	23				
	19		3:40	27				
	20		4:05	25			Lime	
	11		4:30	25				
	12		4:52	22				
	13		5:15	23				
	14		5:45	30				
	15		6:15	30			Lime	
	16		6:45	30				
	17		7:10	25				
	18		7:35	25				
	19		7:55	20				
	20		8:27	32			Lime	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 11-12-74
Job DIXBELT, ILL.
Hole No. # 3
Rig No. W-4 SPECISTER
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
920	921	8:27	8:50	23			LIME	
	22		9:14	24				
	23		9:35	21				
	24		9:55	20				
	925		10:12	17			LIME	
	26		10:28	16				
	27		10:45	17				
	28		11:02	17				
	29		11:24	22			LIME	
	930		11:50	26				
	31		12:15	25				
	32		12:41	26				
	33		1:02	21				CONN @ 933'
	34	1:25	1:40	15				PUT NEW PACKING RUBBER R.H.
	935		1:01	21			LIME	PUMP ROD
	36		2:20	19				SER. RIG + SWIVEL
	37		2:39	19				
	38		3:00	21				
	39		3:21	21				
	940		3:37	16			LIME	
	41		3:56	19				
	42		4:14	18				
	43		4:30	16				
	44		4:43	13				
	945		4:59	16			LIME + DOLO.	
	46		5:15	16				
	47		5:30	15				
	48		5:42	12				
	49		5:55	13				
	950		6:06	11				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 1-13-74
Job DYSART, IOWA
Hole No. 3
Rig No. N-4 BUCYRUS
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
950	951	6:06	6:19	13			LIME + DOLO.	
	953	6:35	6:35	9 4				
	955		6:50	15				
	956		6'57	7				
	958		7'10	13				
	960		7:23	13				
	962		7:33	10				
	963		7:44	11				
	964		7:53	9				
	965		8:02	9				
	966	8:20	8:27	7				
	968		8:39	12				
	969		8:56	17			CORE @	960'
	971		9:16	20				
	973		9:31	15			LIME	
	975	1:35	1:50	15			CHANGE HEADS	IN PUMP
	977		2:10	20				
	979		2:32	22				
	981		2:55	23				
970	983		3:13	18				
	985		3:31	18				
	987		3:48	17				
	989		4:02	14				
	991		4:17	15				
	993		4:36	19			LIME	
	995		4:55	19				
	997		5:15	20				
	999		5:35	20				
	1001		5:56	21				
990	1003		6:12	16			LIME	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

- ☐ J. P. MILLER ARTESIAN WELL CO. — BOX 359 BROOKFIELD, ILL.
- ☐ MILLER WELL AND PUMP CO. — 161 W. WISCONSIN AVE. MILWAUKEE, WIS.
- ☑ VARNER WELL AND PUMP CO. — BOX 237 DUBUQUE, IOWA
- ☐ HOLLAND WELL SERVICE CO. — BOX 73 BROOKFIELD, ILL.

Date 11-13-79
Job Monona Co.
Hole No. #3
Rig No. N 4 Rotary Tr.
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
980	981	6:12	6:30	18			Lime	
	82		6:45	15				
	83		7:02	17				
	84		7:16	14				
9	85		7:30	14				
	86		7:45	15				
	87		8:03	18				
	88		8:27	24				
	89		9:20	53?				
9	90	9:39	9:57	18			Lime	
	91		10:06	13				
	92		10:30	14				Conn @ 992'
	93		10:50	10				
	94		10:55	15			Lime	
9	95		11:10	15				
	96		11:25	15			Repair Leaky Liner	
	97		11:40	15			11:52-12:35 — 38 Minutes	
	98		11:52	12				
	99	12:35	1:40	43?			Lime + Chert	
1000			1:58	38				
	01		2:31	27				
	02		2:50	23				
	03		3:10	20				
	04		3:34	24				
10	05		4:00	26				
	06		4:30	30				
	07		4:55	25				
	08		5:20	25				
	09		5:42	22				
10	10		6:12	30				

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 1-14-74
Job Dysart, Iowa
Hole No. #3
Rig No. N-4 Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1610	1618	6:10	6:46	36			LIME	
	12		7:10	29				
	13		7:55	45				
	14		8:05	10				
	1615		8:30	25			LIME	
	16		8:54	24				
	17		9:15	17				
	18		9:44	29				
	19		10:05	21				
	1620		10:29	24			LM & CHERT	
	21		11:10	31				
	22		11:35	25				
	23		11:56	21				Conn & Ser Rig &
	24	12:27	12:43	16				Nipple in Flow Ditch
	1625		1:00	17				
	26		1:20	20				
	27		1:38	18				
	28		1:59	21				
	29		2:19	20				
	1630		2:39	20			LM.	
	31		2:59	20				
	32		3:19	20				
	33		3:39	20				
	34		3:59	20				
	1635		4:20	22				
	36		4:48	28				
	37		5:08	20				
	38		5:28	20				
	39		5:58	30				
	1640		6:40	42			LIME.	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 14 74
Job Durant, Iowa
Hole No. #3
Rig No. Portable
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1040	841	6:40	7:10	30			Lime	
	42		7:35	25				
	43		8:00	25				
	44		8:23	23				
	845		8:45	22				
	46½		9:05	20				
	47		9:25	20				
	48		9:40	15				
	49		9:55	15				
	850		10:15	15				
	51	10:17	10:30	13				
	52		10:43	13				
	53		10:56	13				Conn. @ 1050
	54		11:10	14				
	55		11:25	15				
	56½		11:45	20				
	57		12:05	20				
	58		12:20	15				
	59		12:40	20				
	860		1:00	20				
	61		1:18	18				
	62		1:37	19				
	63		1:57	20				
	64		2:19	22				
	865		2:40	21				
	66		3:00	20				
	67		3:26	26				
	68		3:50	24				
	69		4:09	19				
	870							

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☐ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date Nov. 15, 1924
Job DysART Iowa
Hole No. #3
Rig No. D-4 BRECKENRIDGE
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1070	1071	4:40	5:20	30			Shale	
	72		5:40	30				
	73		6:05	25				
	74		6:45	40				
	1075		7:10	25				
	76		7:39	29				
	77		8:11	32				
	78		8:44	33				
	79		9:26	42				
	1080	9:50	10:15	25			Coal Line 1079	
	81		10:50	35			Ser. Rk. Sh.	
	82		11:30	40				
	83		12:03	33				
	84		12:29	26				
	1085		12:55	26			Lime	
	86		1:12	17				
	87		1:38	26				
	88		2:07	29				
	89		2:37	30				
	1090		3:07	30			Lime & Shale	
	91		3:37	30				
	92		4:05	28				
	93		4:36	31				
	94		5:05	29				
	1095		5:35	30				
	96		6:03	28				
	97		6:30	27				
	98		7:08	38				
	99		7:38	30				
	1100		8:10	32			Lime	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 11-15-74
Job Dyoart, Iowa
Hole No. #3
Rig No. #4 Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1100	1101	8:10	8:42	32			Lime & Shale	
	02		9:15	33				
	03		9:55	40				
	04		10:30	35				
	1105		11:05	35			LIME	
	06		11:40	35				
	07		12:14	34				
	08		12:46	32				
	09		1:17	31				
	1110		2:00	43			Cored @ 1110	
	11	2:15	2:44	29			Ser. Rig @ U.S.	
	12		3:11	27			LIME	
	13		3:49	38				
	14		4:35	46				
	1115		5:26	51				
	16		6:20	54				
	17		7:08	48			LIME & CHERT	
	18		7:56	48				
	19		8:50	54				
	1120		9:30	40				
	21		10:04	34			Start Down For	
	22	1:35	2:13	38			Reverend	
	23		3:20	67			Start up 11-18-74	
	24		4:30	70				
	1125		5:45	75			Lm + Shale - Chert	
	26		6:30	45				
	27		7:15	45				
	28		8:15	60				
	29		9:02	47				
	1130		9:45	43			Lm + Shale. - Chert.	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 11-18-79
Job Dysart, Iowa
Hole No. #3
Rig No. W-9 Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1130	1131	9:45	10:25	40			LIME	
	32		11:02	37				
	33		11:47	45				
	34		12:25	38				
	1135		1:08	43				
	36		2:22	74				
	37		2:50	28				
	38		3:23	33				
	39		4:00	37			Coal @ 1139'	
	1190	4:15	4:47	32			SER Pic.	
	91		5:43	54				
	92		6:20	37				
	93		6:57	37				
	94		7:25	28				
	1195		7:55	30			LIME	
	96		8:25	30				
	97		8:55	30				
	98		9:26	31				
	99		9:54	28				
	1150		10:25	31			LIME & SHALE	
	51		11:25	60				
	52		12:10	50				
	53		1:00	50			Glenwood	
	54		1:40	40				
	1155		2:25	45			SHALE	
	56		3:10	45				
	57		4:18	68				
	58		5:11	53				
	59		5:41	30				
	1160		6:05	24			SHALE.	

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ _____ DRILLER

1167
05
79

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 11-19-74
Job Dysart, Iowa
Hole No. #3
Rig No. J-4 Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1160	1161	6:05	6:24	19			Shale	
	62		6:47	23			"	
	63		7:20	33	*		[illegible]	
	64		7:25	5			Sand	St Peter
	1165		7:30	5				
	66		7:33	3				
	67		7:35	2				
	68		7:38	3				
	69		7:40	2				
	1170		7:43	3			Sand	
	71							KELLY 2 Short.
	72							Conn @ 1172
	73	8:41	8:44	3				Repair Air line
	74		8:45	1				on Drawworks
	1175		8:47	2			Sand	
	76		8:48	1				
	77		8:50	2				
	78		8:53	3				
	79		8:55	2				
	1180		8:57	2			Sand	
	81		9:02	5		For	Sample	
	82	9:22	9:28	6				
	83		9:33	5				
	84		9:41	8				
	1185		9:51	10			Sand	
	86		10:02	9				
	87		10:06	4				
	88		10:09	3				
	89		10:50	41			Lime Streak	
	1190		11:14	24				

ADDITIONAL REMARKS, ETC.

APPROVED BY _____ DRILLER

DAILY DRILLING REPORT

☐ J. P. MILLER ARTESIAN WELL CO.
BOX 359 BROOKFIELD, ILL.

☐ MILLER WELL AND PUMP CO.
161 W. WISCONSIN AVE.
MILWAUKEE, WIS.

☑ VARNER WELL AND PUMP CO.
BOX 237 DUBUQUE, IOWA

☐ HOLLAND WELL SERVICE CO.
BOX 73 BROOKFIELD, ILL.

Date 11-19-74
Job Dysart, Iowa
Hole No. #3
Rig No. 1 & Brewster
Tour M M

DEPTH FROM	DEPTH TO	TIME START	TIME FINISH	MINUTES	MUD VISCOSITY	MUD WEIGHT	FORMATION	REMARKS
1190	1191	11:14	11:50	36			LIMESTONE	
	92		12:15	55				
	93		12:58	13				
	94		1:30	32				
	1195		1:50	20			SANDY LIME	
	96		2:05	15				
	97		2:35	30				
	98		3:15	40				
	99		3:45	30				
	1200	[redacted]	4:08	23			Cond. @ 1200	
	01	4:27	4:44	17			TIGHT ON BRAKES P. dw. ch.	
	02		5:21	37				
	03		6:14	53				
	04		6:45	31				
	1205		7:10	25			DOL. & SAND	
	06		7:40	30				
	07		8:10	30				
	08		8:35	25				
	09		8:55	20				
	1210		9:21	26			DOLOMITE & SAND.	
	11		9:45	24				
	12		10:11	26				
	13		1031	20				
	14		10:56	25				
	1215							
	16							
	17							
	18							
	19							
	1220							

ADDITIONAL REMARKS, ETC. _____

APPROVED BY _____ DRILLER

MEAS IN
DYSART TOWN WELL LOCATED IN PARK
12-11-74

T	MIN	HOLD	WET W/L	P/D
12:10		270 + 1.6	271.6	
12:25		270 + 1.3	271.3	
12:40		270 + 1.0	271.0	
12:55		270 + 0.8	270.8	
1:10		270 + 0.6	270.6	
1:25				

1120 ~~1.42~~ 1.49 ~~1.28~~ 2.49

9-230

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

File No. { Washington _____ District _____

DYSART PUMPING TEST NEW WELL 12-11-74

T	MIN	H.D	WET	W/L	D/D							
1135		260	-3.55	256.45								
1140		260	-3.90	256.10								
12.20			-5.10	254.90								
				275.00			AIRLINE					
1232				282								
1240							PUMP	ON				
1247							"	"				

CASED-20" SURFACE 0-210 14" TO 60'-10" TO 1260 9" open to 1240

6" ORIFICE ON 8" PIPE

U. S. GOVERNMENT PRINTING OFFICE 16—42721-1

(COPY) ORIG SENT TO P.H.

IOWA GEOLOGICAL SURVEY
Iowa City, Iowa
WELL OR WATER SAMPLE DATA

Bottle No. _____

I.G.S. Well No. _____

TOWN DYSART COUNTY TAMA

LOCATION NW SE SE sec. 13 T. 85 N., R. 13 ~~E~~ W. _____ Twp.

OWNER OF WELL TOWN OF DYSART WELL No. 3

USE OF WATER: Municipal supply(X); Private-domestic( ); Public drinking( ); Livestock( ); Industrial( ); School supply( ); Air Conditioning( ); Cooling( ); _____ ( ).

CONTRACTOR VARNER WELL CO DATE STARTED _____ DATE FINISHED DEC 1974

CASING OR CURBING DATA: (Show by diagram on opposite side of sheet the kind, length and depth of top and bottom of each size of pipe, the amount of overlaps, position of seals or packers, pipe performation and screens, etc.) 20" SURFACE 0 TO 210' 14" CASING 0 TO 60' - 10" CASING 60 TO 1260' SWEDGE COUPLING BETWEEN 10" & 14" CASING 9" OPEN HOLE TO 1840'

WELL DATA

Present Curb Elevation _____ Ft. Depth _____ Ft. Final Depth 1840 Ft.

Ground Elevation 955 Ft. Topographic Position _____

Static Level (Depth to water (~~above~~ PUMP BASE ~~curb~~) (below) 754.9 Ft. Pumping Level _____ Ft.

Amount of Drawdown _____ Ft. pumping at 600 g.p.m. in 12 hrs. ___ minutes.

Specific Capacity _____ g.p.m. per ft. drawdown in _____ hrs.

Type of Pump TURBINE Power DIESEL

Depth of Bottom of Pump _____ ft. with _____ ft. of suction pipe.

TEMPERATURE: Air ____ °F.; Water ____ °F., measured after well had pumped 12 hrs. and ___ mins. at 600 g.p.m.; 20 ft. from pump after water had passed through the following pipe IRON

Time _____ (A.M.) (P.M.)

SOURCE OF WATER:

Principal producing formation _____ ___ ft. to _____ ft.

Other producing formations _____ ___ ft. to _____ ft.

REMARKS: (Taste, odor, and appearance) _____

Sample taken for: Mineral analysis(X); Sanitary analysis( ).

Data collected by MARVIN ROPS FOR IOWA GEOLOGICAL SURVEY Date _____

Copies to: MARVIN ROPS - 538 - 35th ST. S.E, CEDAR RAPIDS 52403

360

~~Kern Laundry~~

Dysart #3

T.D. 1840

pumped ≈ 12 hrs 600 gpm

4.

MARVIN

Ropes

538 35th St SE.

C.R. 52403

600 4.4