

DRILLING BITS

FORM 863

KELLEY BUSHING

WELL COMPLETION REPORT

SURFACE ELEVATIONS

1037
DERRICK FLOOR
1029
GROUND

NEW WELL XX

RECOMPLETION

REPAIR

FORMATION	DEPTH.	ELEVATION	THICK	OPERATOR: NNG Co.
Pennsylvania	116	921	488	FARM: Moser
St. Louis - Warsaw	614	423	41	WELL NO.: 1
Keokuk	655	382	84	LOCATION: NE4 NW4 NE4 Sec. 10, T79N, R27W
Burlington	739	298	90	
Gilmore City	829	208	25	
Hampton	854	183	90	
Maple Mill	944	93	83	
Lime Creek	1019	18	104	
Cedar Valley	1123	-86	442	CO.-PA. Dallas
Wapsipinicon	1565	-528	63	STATE-POV. Iowa
Gower	1628	-591	99	AREA:
Maquoketa	1727	-690	70	FIELD: Dallas Center
Brainard	1727	-690	70	DATE COMMENCED: 6-2-73
Fort Atkinson	1797	-760	110	DATE COMPLETED: 6-11-73
Elgin	1907	-870		INITIAL PRODUCTION
Total Depth	1983			

CASING: BKB

ACIDIZING AND FRACTURING:

DIAMETER	LENGTH	WEIGHT	GRADE
13 3/8" OD	191	48#	H40

TUBING:

DIAMETER	LENGTH	WEIGHT	GRADE

PERFORATIONS:

DRILLING BITS

DEPTH

DRILLING MUD AND CHEMICALS

No.	MAKE & TYPE	SIZE	DEPTH		REMARKS	TYPE	QUANTITY
			FROM	TO			
1	Sec. S4T 134926	1 7/8	0	191	Aquagel		13 sks.
2	Sec. S88 424275RR	7 7/8	191	627	XC Polymer		2 sks.
3	Sec. S88 442802	7 7/8	627	2000	Caustic Soda		1 sks.
					Fibertex		14 sks.
					Smentox		8 sks.
					Visbestos		13 sks.
					Lost Circulation: Cement		70 sks.
					Plaster		70 sks.
					Plug to Abandon: Cement		144 sks.
					Plaster		8 sks.
FLOATING EQUIPMENT							
1	13 3/8" Guide Shoe						
3	" Centralizer	Jt.	1-3-5				

DRILLING TOOLS:

	FROM	TO	REMARKS:
ROTARY TOOLS	0	2000	F-90
PERCUSSION TOOLS			
OTHER			

DRILLING DIFFICULTIES: LOST CIRCULATION, CROOKED HOLES, ETC.

Spotted 14 plugs for lost circulation @ 626'.

COMPLETION PROCEDURE:

6-1 thru 6-3-73: Move in, rig up, drill 17½" hole to 191'. Set 6 joints of 13 3/8" casing and cement with 200 cu. ft. Pozmix w/3% HA-5. Circulated approx. 55 sks.

6-4 thru 6-11-73: Drilled 7 7/8" hole to 2000'. Welex logged. Plugged to Abandon.

WILLERS LOGS:

6-1-73 Move in and rig up.
 2 Rig up. Drill 17½" hole to 90'.
 3 Drill 17½" hole to 191'. Set 13 3/8" surface casing. WOC.
 Drill 7 6/8" hole to 200'.
 4 Drill 7 7/8" hole to 590'.
 5 & 6 Drill 7 7/8" hole to 626'. Lost circulation.
 Spotted 14 plugs (70 cement & 70 plaster) @ 626'.
 Drill 7 7/8" hole to 912'.
 7 Drill 7 7/8" hole to 1285'.
 8 Drill 7 7/8" hole to 1700'.
 9 Drill 7 7/8" hole to 1885'.
 10 Drill 7 7/8" hole to 2000'. Run Welex logs. 3" casing
 11 Plug To Abandon.

Plug #1	20 sks. cement	1886-1946'.
2	" "	1670-1732'.
3	" "	1578-1638'.
4	" "	950-1010'.
5	8 sks. cement 8 sks. plaster	580-630'.
6	20 sks. cement	160-220'.
7	16 sks. cement	0-20'.
8	20 sks. cement	Rat Hole.

WELL COMPLETION REPORT

CORE AND DRILL STEM TESTS: NONE.

DATE	TIME	DEPTH	TEMP	PRESS	GRAV
6-10-73	10:00	100	100	100	100
6-10-73	10:05	105	105	105	105
6-10-73	10:10	110	110	110	110
6-10-73	10:15	115	115	115	115
6-10-73	10:20	120	120	120	120
6-10-73	10:25	125	125	125	125
6-10-73	10:30	130	130	130	130
6-10-73	10:35	135	135	135	135
6-10-73	10:40	140	140	140	140
6-10-73	10:45	145	145	145	145
6-10-73	10:50	150	150	150	150
6-10-73	10:55	155	155	155	155
6-10-73	11:00	160	160	160	160
6-10-73	11:05	165	165	165	165
6-10-73	11:10	170	170	170	170
6-10-73	11:15	175	175	175	175
6-10-73	11:20	180	180	180	180
6-10-73	11:25	185	185	185	185
6-10-73	11:30	190	190	190	190
6-10-73	11:35	195	195	195	195
6-10-73	11:40	200	200	200	200
6-10-73	11:45	205	205	205	205
6-10-73	11:50	210	210	210	210
6-10-73	11:55	215	215	215	215
6-10-73	12:00	220	220	220	220
6-10-73	12:05	225	225	225	225
6-10-73	12:10	230	230	230	230
6-10-73	12:15	235	235	235	235
6-10-73	12:20	240	240	240	240
6-10-73	12:25	245	245	245	245
6-10-73	12:30	250	250	250	250
6-10-73	12:35	255	255	255	255
6-10-73	12:40	260	260	260	260
6-10-73	12:45	265	265	265	265
6-10-73	12:50	270	270	270	270
6-10-73	12:55	275	275	275	275
6-10-73	13:00	280	280	280	280
6-10-73	13:05	285	285	285	285
6-10-73	13:10	290	290	290	290
6-10-73	13:15	295	295	295	295
6-10-73	13:20	300	300	300	300
6-10-73	13:25	305	305	305	305
6-10-73	13:30	310	310	310	310
6-10-73	13:35	315	315	315	315
6-10-73	13:40	320	320	320	320
6-10-73	13:45	325	325	325	325
6-10-73	13:50	330	330	330	330
6-10-73	13:55	335	335	335	335
6-10-73	14:00	340	340	340	340
6-10-73	14:05	345	345	345	345
6-10-73	14:10	350	350	350	350
6-10-73	14:15	355	355	355	355
6-10-73	14:20	360	360	360	360
6-10-73	14:25	365	365	365	365
6-10-73	14:30	370	370	370	370
6-10-73	14:35	375	375	375	375
6-10-73	14:40	380	380	380	380
6-10-73	14:45	385	385	385	385
6-10-73	14:50	390	390	390	390
6-10-73	14:55	395	395	395	395
6-10-73	15:00	400	400	400	400
6-10-73	15:05	405	405	405	405
6-10-73	15:10	410	410	410	410
6-10-73	15:15	415	415	415	415
6-10-73	15:20	420	420	420	420
6-10-73	15:25	425	425	425	425
6-10-73	15:30	430	430	430	430
6-10-73	15:35	435	435	435	435
6-10-73	15:40	440	440	440	440
6-10-73	15:45	445	445	445	445
6-10-73	15:50	450	450	450	450
6-10-73	15:55	455	455	455	455
6-10-73	16:00	460	460	460	460
6-10-73	16:05	465	465	465	465
6-10-73	16:10	470	470	470	470
6-10-73	16:15	475	475	475	475
6-10-73	16:20	480	480	480	480
6-10-73	16:25	485	485	485	485
6-10-73	16:30	490	490	490	490
6-10-73	16:35	495	495	495	495
6-10-73	16:40	500	500	500	500
6-10-73	16:45	505	505	505	505
6-10-73	16:50	510	510	510	510
6-10-73	16:55	515	515	515	515
6-10-73	17:00	520	520	520	520
6-10-73	17:05	525	525	525	525
6-10-73	17:10	530	530	530	530
6-10-73	17:15	535	535	535	535
6-10-73	17:20	540	540	540	540
6-10-73	17:25	545	545	545	545
6-10-73	17:30	550	550	550	550
6-10-73	17:35	555	555	555	555
6-10-73	17:40	560	560	560	560
6-10-73	17:45	565	565	565	565
6-10-73	17:50	570	570	570	570
6-10-73	17:55	575	575	575	575
6-10-73	18:00	580	580	580	580
6-10-73	18:05	585	585	585	585
6-10-73	18:10	590	590	590	590
6-10-73	18:15	595	595	595	595
6-10-73	18:20	600	600	600	600
6-10-73	18:25	605	605	605	605
6-10-73	18:30	610	610	610	610
6-10-73	18:35	615	615	615	615
6-10-73	18:40	620	620	620	620
6-10-73	18:45	625	625	625	625
6-10-73	18:50	630	630	630	630
6-10-73	18:55	635	635	635	635
6-10-73	19:00	640	640	640	640
6-10-73	19:05	645	645	645	645
6-10-73	19:10	650	650	650	650
6-10-73	19:15	655	655	655	655
6-10-73	19:20	660	660	660	660
6-10-73	19:25	665	665	665	665
6-10-73	19:30	670	670	670	670
6-10-73	19:35	675	675	675	675
6-10-73	19:40	680	680	680	680
6-10-73	19:45	685	685	685	685
6-10-73	19:50	690	690	690	690
6-10-73	19:55	695	695	695	695
6-10-73	20:00	700	700	700	700
6-10-73	20:05	705	705	705	705
6-10-73	20:10	710	710	710	710
6-10-73	20:15	715	715	715	715
6-10-73	20:20	720	720	720	720
6-10-73	20:25	725	725	725	725
6-10-73	20:30	730	730	730	730
6-10-73	20:35	735	735	735	735
6-10-73	20:40	740	740	740	740
6-10-73	20:45	745	745	745	745
6-10-73	20:50	750	750	750	750
6-10-73	20:55	755	755	755	755
6-10-73	21:00	760	760	760	760
6-10-73	21:05	765	765	765	765
6-10-73	21:10	770	770	770	770
6-10-73	21:15	775	775	775	775
6-10-73	21:20	780	780	780	780
6-10-73	21:25	785	785	785	785
6-10-73	21:30	790	790	790	790
6-10-73	21:35	795	795	795	795
6-10-73	21:40	800	800	800	800
6-10-73	21:45	805	805	805	805
6-10-73	21:50	810	810	810	810
6-10-73	21:55	815	815	815	815
6-10-73	22:00	820	820	820	820
6-10-73	22:05	825	825	825	825
6-10-73	22:10	830	830	830	830
6-10-73	22:15	835	835	835	835
6-10-73	22:20	840	840	840	840
6-10-73	22:25	845	845	845	845
6-10-73	22:30	850	850	850	850
6-10-73	22:35	855	855	855	855
6-10-73	22:40	860	860	860	860
6-10-73	22:45	865	865	865	865
6-10-73	22:50	870	870	870	870
6-10-73	22:55	875	875	875	875
6-10-73	23:00	880	880	880	880
6-10-73	23:05	885	885	885	885
6-10-73	23:10	890	890	890	890
6-10-73	23:15	895	895	895	895
6-10-73	23:20	900	900	900	900
6-10-73	23:25	905	905	905	905
6-10-73	23:30	910	910	910	910
6-10-73	23:35	915	915	915	915
6-10-73	23:40	920	920	920	920
6-10-73	23:45	925	925	925	925
6-10-73	23:50	930	930	930	930
6-10-73	23:55	935	935	935	935
6-10-73	24:00	940	940	940	940
6-10-73	24:05	945	945	945	945
6-10-73	24:10	950	950	950	950
6-10-73	24:15	955	955	955	955
6-10-73	24:20	960	960	960	960
6-10-73	24:25	965	965	965	965
6-10-73	24:30	970	970	970	970
6-10-73	24:35	975	975	975	975
6-10-73	24:40	980	980	980	980
6-10-73	24:45	985	985	985	985
6-10-73	24:50	990	990	990	990
6-10-73	24:55	995	995	995	995
6-10-73	25:00	1000	1000	1000	1000

LOGS

Welex: Radioactivity 6-10-73
Compensated Acoustic Velocity 6-10-73
Dip Log 6-11-73