CALIFORNIA VENTURA OIL COMPANY

— WELL No. 1 —

— Hermosa Beach —

From		Depth	No. Feet	
				Spudded June 10, 1930
0	to	205	205	Surface Sand (etc.)
205	to	250	45	Blue Clay and Coarse Sand
250	to	260	10	Coarse Gravel
260	to	294	34	Clay
294	to	325	31	Sandy Shale
325	to	355	30	Sand & Coarse Gravel
355	to	362	7	Shale
362	to	368	6	Sand
368	to	378	10	Shale
378	to	450	72	Sand & Sandy Shale
450	to	490	40	Sandy Shale
490	to	500	10	Shale (Surface Pipe at 500')
500	to	517	17	"
517	to	725	208	Sand
725	to	755	30	Sticky Shale
755	to	810	55	Sandy Shale (Stks. of Hard Sand)
810	to	825	15	Hard Sand
825	to	1045	220	Sandy Shale (Stks. of Sand)
1045	to	1095	50	Sand
1095	to	1125	30	Shale
1125	to	1200	75	Sandy Shale (Stks. of Hard Sand)
1200	to	1227	27	Shale
1227	to	1272	45	Sandy Shale (Hd. Streaks)
1272	to	1300	28	Sand
1300	to	1340	40	Tough Shale
1340	to	1370	30	Sandy Shale
1370	to	1385	15	Sticky Shale
1385	to	1468	83	Tough Shale
1468	to	1576	108	Sandy Shale (Hard Streaks)
1576	to	1588	12	Shale
1588	to	1616	28	Hard Sandy Shale
1616	to	1649	33	Sandy Shale
1649	to	1679	30	Sticky Shale
1679	to	1780	101	Shale
1780	to	1781	1	Shell (14")
1781	to	1800	19	Sand
1800	to	1812	12	Shale
1812	to	1813	1	Shell (12")
1813	to	1839	26	Sticky Shale
1839	to	1865	26	Shale (gets real tough about shell)
1865	to	1866	1	Shell (Approx. 15" thick)
1866	to	1888	22	Hard Sandy Shale (Core)
1888	to	1889	1	Shell (10")
1889	to	1936	47	Tough Shale
1936	to	1937	1	Shell (Hard) (14")
1937	to	1968	31	Shale
1968	to	1969	1	Shell (15")
1969	to	1997	28	Sticky Shale
1997	to	1998	1	Shell (9")
1998	to	2022	24	Shale
2022	to	2023	1	Shell (9")
2023	to	2047	24	Shale
2047	to	2048	1	Shell (6") or Stks of Hd. Sand
2048	to	2055	7	Shale
2055	to	2075	20	Sand Showing oil & little gas
2075	to	2076	1	Shell (6") or Stks of Hd. Sand
2076	to	2100	24	Sand
2100	to	2140	40	Shale

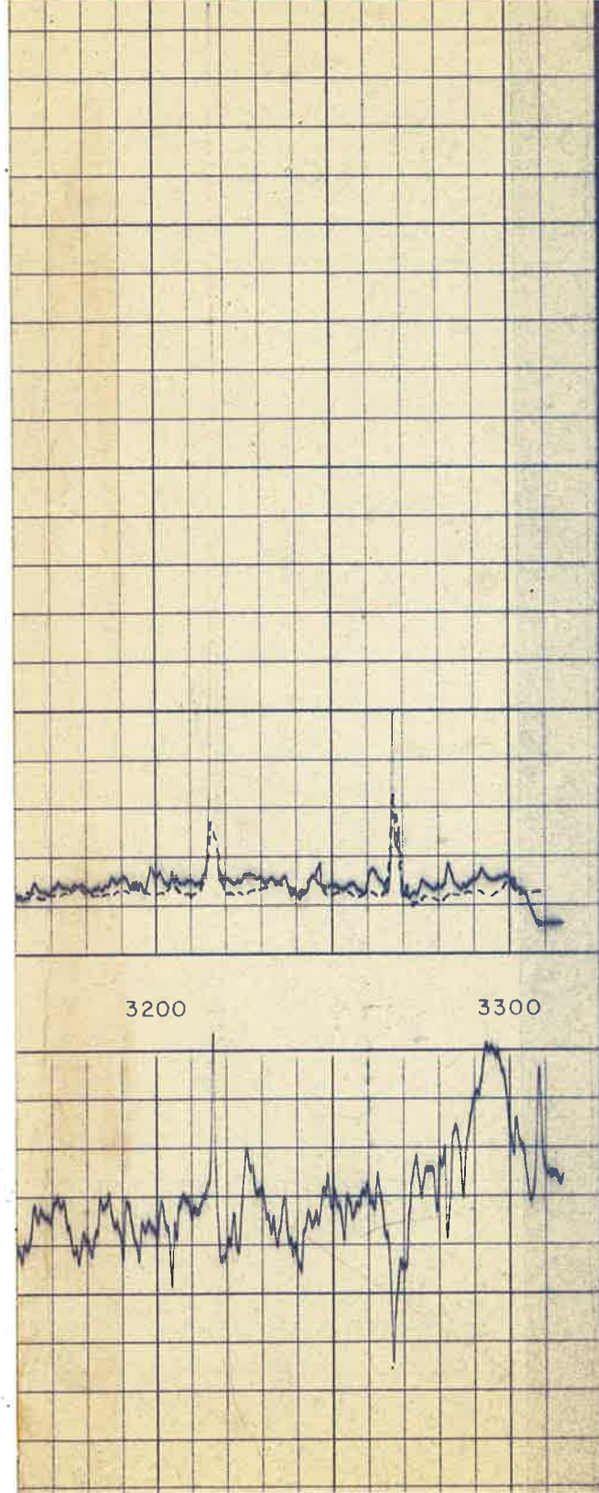
2140	to	2141	1	Shell (8") or Stks of Hd. Sand
2141	to	2166	25	Shale
2166	to	2167	1	Shell (8") or Stks of Hd. Sand
2167	to	2170	3	Shale
2170	to	2194	24	Hd. Sandy Shale (Core)
2194	to	2206	12	Shale
2206	to	2207	1	Shell (19")
2207	to	2214	7	Tough Shale
2214	to	2215	1	Shell (5") or Stks of Hd. Sand
2215	to	2358	143	Tough Shale
2358	to	2359	1	Shell (16")
2359	to	2375	16	Shale (Started continuous coring)
2375	to	2376	1	Shell (20") Hd Shale (Cored)
2376	to	2395	19	Sandy Shale (Core)
2395	to	2415	20	" " " Brown
2415	to	2416	1	Shell (12")
				9' Overhole
2424	to	2440	16	Brown Sandy Shale (Stks of Oil Sand)
2440	to	2441	1	Shell (12")
2441	to	2487	46	Sandy Shale
2487	to	2488	1	Shell (18")
2488	to	2506	18	Sandy Shale
2506	to	2508	2	Hard Shale
2508	to	2509	1	Hd. Sand Shell (6")
2508	to	2550	42	Sandy Shale (Thin Stks of Sand)
2550	to	2565	15	Shale & Sand
2565	to	2571	6	Shale
2571	to	2572	1	Shell (6")
2572	to	2574	2	Hard Shale
2574	to	2576	2	Hard Sand
2576	to	2648	72	Brown Sandy Shale
2648	to	2649	1	Shell
2649	to	2658	9	Hard Shale
2658	to	2798	140	Sandy Shale - Thin Stks Sand
2798	to	2819	21	Brown Sandy Shale & Oil Sand
2819	to	2820	1	Shell (14")
				5' Overhole (measured)
2825	to	2860	30	Brown Sandy Shale (Stks of Oil Sand)
2860	to	2861	1	Shell
2861	to	2908	47	Sandy Shale & Oil Sand
2908	to	2909	1	Shell (6")
2909	to	2959	50	Sandy Shale (Stks Oil Sand)
2959	to	2960	1	Shell (6")
2960	to	3002	42	Sandy Shale & Stks Oil Sand
3002	to	3006	4	Hd. Sandy Shale
3006	to	3059	53	Sandy Shale (Stk Oil Sand)
3059	to	3062	3	Hd. Sandy Shale
3062	to	3096	34	Sandy Shale (Stks Oil Sand)
3096	to	3110	14	Hd. Tough Sandy Shale (Stks O.S.)
3110	to	3113	40"	Shell
3113	to	3168	55	Hd. Sandy Shale (Stks O.S.)
3168	to	3171	3	Hd. Sandy Shale (Shell)
3171	to	3190	19	Sandy Shale (Stks O.S.)
3190	to	3191	1	Shell
3191	to	3228	37	Sandy Shale (Stks O.S.)
3228	to	3230	2	Hd. Sandy Shale
3230	to	3239	9	Sandy Shale (Stks Oil Sand)
3239	to	3245	6	Soft Sand (Ditch shows oil & gas)
3245	to	3258	13	Sandy Shale (Stks Oil Sand)
3258	to	3260	2	Shell
3260	to	3314	54	Sandy Shale
3314	to	3315	1	16" Shell
3315	to	3321	6	Hard Shale
3321	to	3323	2	Hard Sand
3323	to	3376	53	Sandy Shale (Stks Oil Sand)
3376	to	3378	2	Hard Sandy Shale
3376	to	3390	14	Hard Shale (Stks Sand)

3390 to 3391	1	19" Shell
3391 to 3396	5	Stks Sand & Shale

Set 500 feet 14" Casing (Surface) Cemented 700 Sacks

Set 2765 feet 8¼" Casing (Water Shut off) Cemented 300 Sacks

Plugged back to 3358 ft. Cement Plug



MONO

0 - - - INDUCTION - - - 10

SPRANGLER LOG

REMARKS

P 34
S 9K
C 6
L 52

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

SCHLUMBERGER

INDUCTION - MONO

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY JOHNSON OIL CO.

WELL MARBLE No. 1

FIELD HERMOSA BEACH

LOCATION

COUNTY L.A.

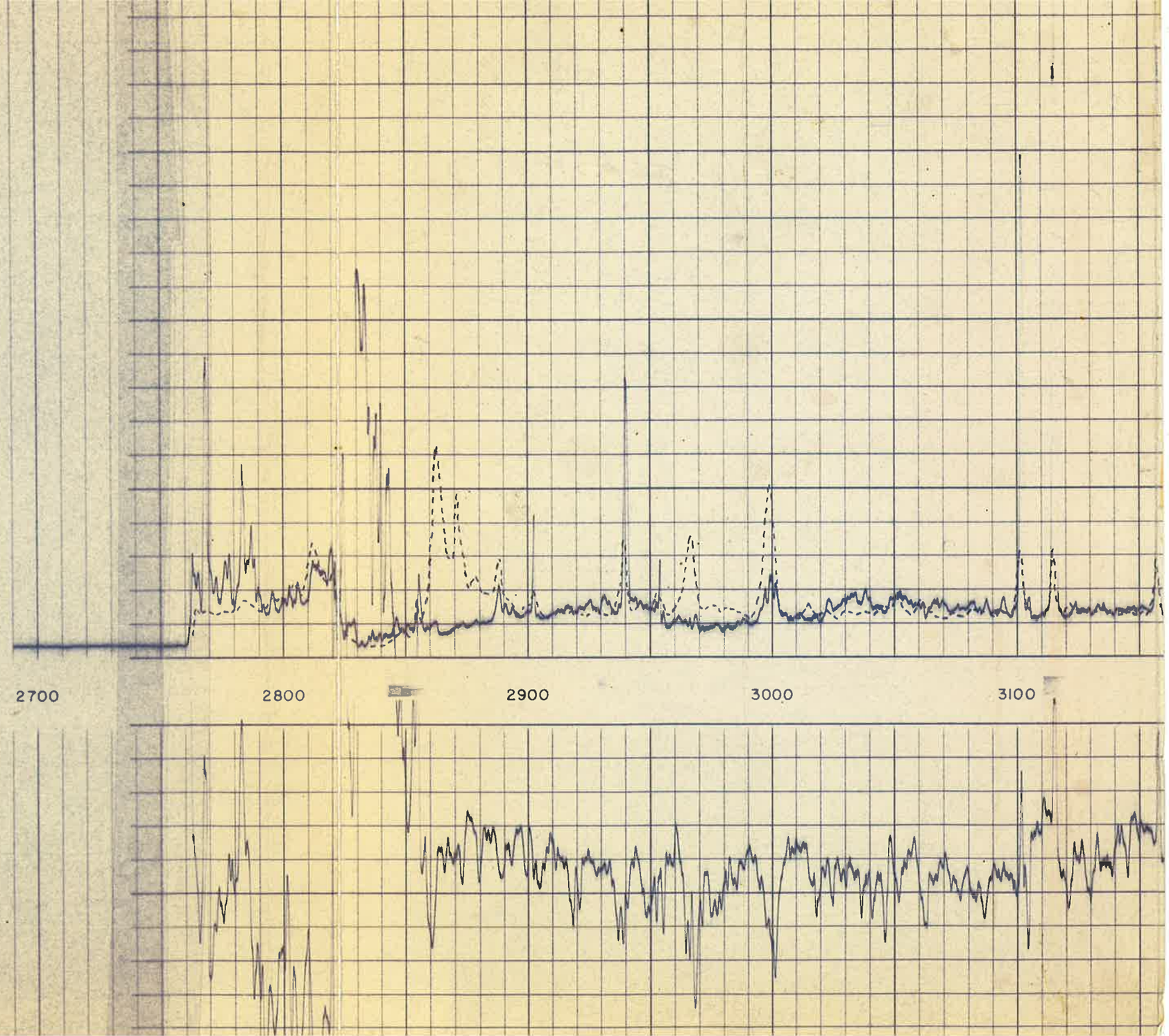
STATE CALIF.

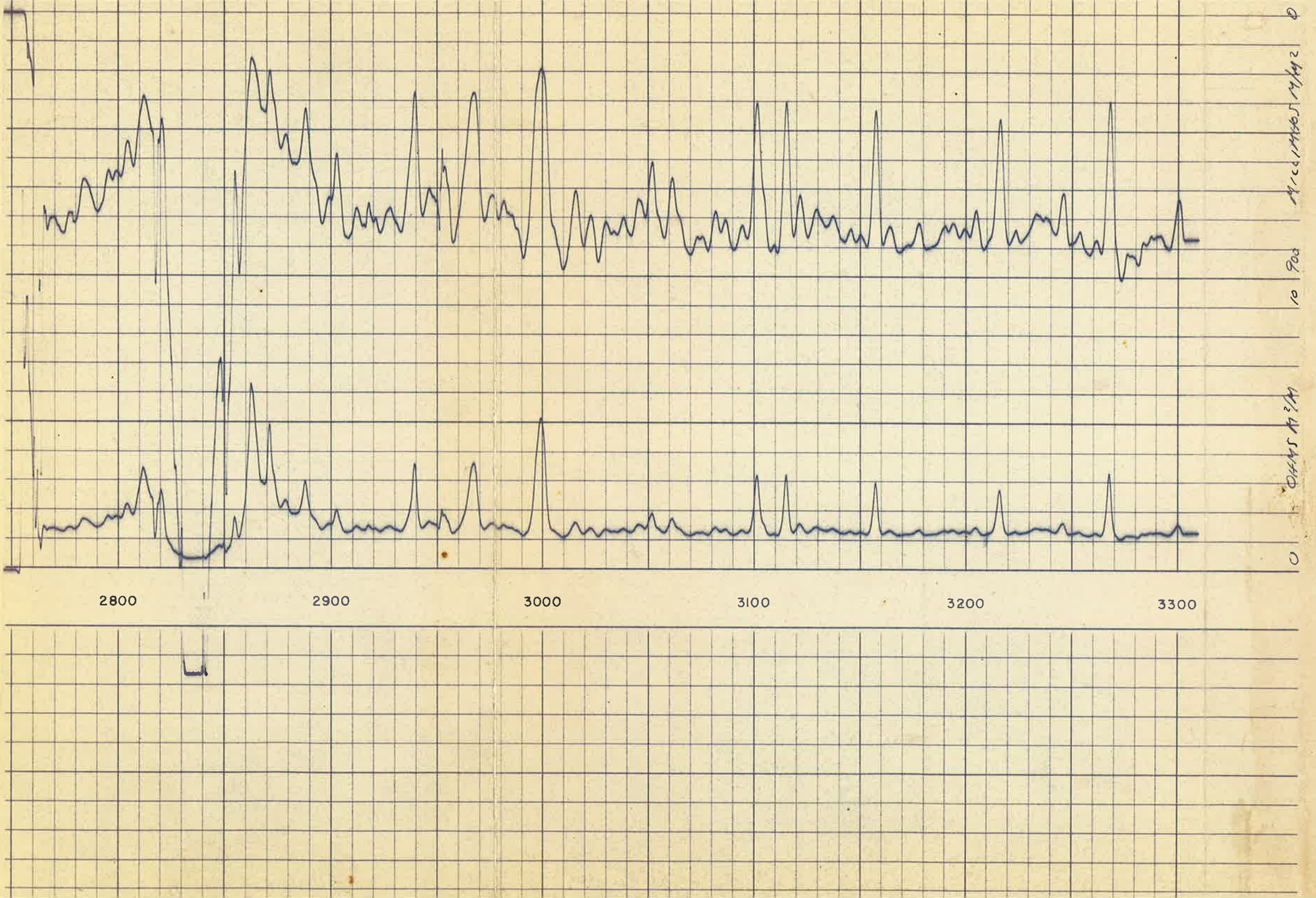
Location of Well

Elevation: D.F.:
K.B.:
or G.L.:

FILING No.

RUN No.	1 (W.O.)	
Date	12-29-55	
First Reading	3308	
Last Reading	2764	
Feet Measured	544	
Csg. Schlum.	2764	
Csg. Driller	2765	
Depth Reached	3308	
Bottom Driller	3313	
Depth Datum	HEAD	
Mud Nat.	ANDRITE	
" Density		
" Viscosity		
" Resist.	∞ @ °F	@ °F
" Res. BHT	— @ °F	@ °F
" pH	— @ °F	@ °F
" Wtr. Loss	CC 30 min.	CC 30 min.
Max. Temp. °F	132	
Bit Size	7 5/8	
———	MONO	
- - - -	IND	
Opr. Rig Time	1 1/4	
Truck No.	1770	
Recorded By	KNIGHT	


2700
2800
2900
3000
3100



INDUCTION LOG