

STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
800 Bittling Building
Wichita, Kansas

WELL PLUGGING RECORD

NORTH

			0

Locate well correctly on above
Section Plat

Commanche County, Sec. 5 Twp. 35S Rge. (E) 20 (W)

Location as "NE/CNW/SW" or footage from lines C NE $\frac{1}{4}$ - NE $\frac{1}{4}$

Lease Owner Falcon Seaboard Drilling Company

Lease Name Alexander Well No. 1

Office Address Stanolind Bldg., Tulsa, Oklahoma

Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole

Date well completed September 8 19 54

Application for plugging filed September 8 19 54

Application for plugging approved September 10, 19 54

Plugging commenced September 10, 19 54

Plugging completed September 10, 19 54

Reason for abandonment of well or producing formation _____

If a producing well is abandoned, date of last production _____ 19 _____

Was permission obtained from the Conservation Division or its agents before plugging was commenced? _____

Name of Conservation Agent who supervised plugging of this well M. A. Rives

Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 5650 Feet

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				16"	66	None
				10 3/4"	617	None

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Filled hole with mud, set bridge plug @ 450' and put 15 sacks of cement on top of plug. Filled up with mud to within 30' of top and filled to top of surface casing with 10 sacks of cement.

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor _____

Address _____

STATE OF Oklahoma, COUNTY OF Tulsa, ss.

J. O. Brown (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) _____

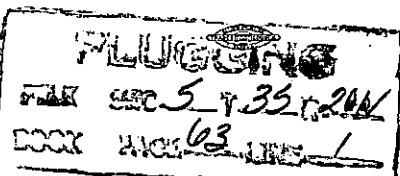
(Address) _____

SUBSCRIBED AND SWORN TO before me this 14th day of September, 19 54

My commission expires February 8, 1958

Delores Walsh

Notary Public.



SEP 16 1954
CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORP. - 21
SEP 16 1954
CONSERVATION DIVISION
Wichita, Kansas

September 10, 1954

Falcon-Seaboard Drilling Company
Mezzanine, Stanolind Building
Tulsa, Oklahoma

Re: Falcon-Seaboard, No. 1 Alexander
C SL NE NE Section 5-35S-20W
Cotanche County, Kansas

Gentlemen:

The above captioned test was serviced by the writer from about 4500 feet to the total depth. Samples were saved from 2000 to 5650 feet, total depth, and a lithologic strip log has been made of that interval. Printed copies of this log will be sent to you at a later date.

No oil or gas shows were detected in the cuttings. Porosity was present in some sandstone lenses in the basal Pennsylvanian. These were drill stem tested to determine if any gas were present. Since these tests were unfavorable and the Schlumberger survey revealed no prospective zones, it was recommended that the test be abandoned.

All measurements and subsea data in this report are based on the Kelly bushing elevation of 1766 feet.

FORMATION RECORD

	<u>Depths</u> (Drilling Time)	<u>Subsea</u>	<u>Depths</u> (Sch.)	<u>Subsea</u>
Stone Corral			835	+ 931
Fort Riley			2614	- 848
Base Florence			2727	- 961
Shawnee group			3525	-1759
Elgin sandstone	4185	-2419	4190	-2424
Heebner	4326	-2560	4326	-2560
Douglas	4400	-2634	4404	-2638
Lansing-Kansas City	4518	-2752	4517	-2751
Base Kansas City	4928	-3162	4928	-3162
Cherokee	5293	-3527	5293	-3527
Morrow (?) *	5458	-3692	5458	-3692
Mississippi lime				
(Sta. Genevieve)	5532	-3766	5530	-3764
Total Depth	5650	-3864	5549	-3863

* Many workers classify the interbedded sandstones and shales found in the lower Pennsylvanian of this area with the Morrow beds of southwest Kansas and contiguous areas. The writer feels that there is much room for doubt as to the accuracy of such a correlation and that the sandy beds in this area may be no older than Cherokee and therefore of possible Bartlesville age.

LITHOLOGY OF IMPORTANT PRODUCING FORMATIONS

Elgin sandstone

4185-4220 Sandstone, white and light gray, fine-grained, micaceous, friable and partly carbonaceous. No stain or odor. Schlumberger suggests water-bearing formation.

Lausling-Kansas City groups

4517-4928 Rocks of these groups consist mostly of limestone with a few thin beds of dark shale. Very soft drilling was encountered at several horizons, particularly from 4607 to 4624 feet and 4758 to 4769 feet, but no porosity was visible in the cuttings. Schlumberger indicates both of these zones to be water-bearing.

Harrison group

4994-5293 This interval consists of interbedded limestone and black shales in the ratio of about 3 to 1 for the former. No noticeably soft zones, other than shale, were encountered in this interval. Neither were there any porosity or shows.

Morrow zone

5458-5472 Interbedded sandstone, very fine-grained, with calcareous cement and dark shale. No stain, odor or visible porosity.
5472-5504 Sandstone, made up of fine to finely medium angular quartz grains, part with calcareous or argillaceous cement, but mostly clean, porous and friable. Trace of glauconite and pyrite. No stain or odor.
5504-5521 Sandstone, very similar to above with thick beds of dark shale.
5521-5526 Sandstone, as above, clean, porous and friable. No stain or odor.
5526-5530 Shale, dark.

Mississippi lime (Ste. Genevieve)

- 5530-5542 Limestone, white and cream, crystalline, crinoidal, with few scattered oolites.
- 5542-5559 Limestone, white and cream, cryptocrystalline to crystalline, partly sandy, with disseminated very fine to fine quartz grains.
- 5559-5572 Sandy limestone, as above, interbedded with very calcareous sandstone.
- 5572-5610 Sandy limestone, as above, with some interbedded white, crystalline, crinoidal limestone and trace of oolitic limestone.
- 5610-5636 Limestone, white and cream, crystalline, crinoidal, part slightly oolitic. Rare sandy limestone.
- 5636-5650, TD Sandstone, very fine-grained with calcareous cement.

No porosity is visible in the cuttings or indicated on the Schlumberger for any of the Mississippian.

DRILL STEM TESTS

DST No. 1 - 5460-5535 --Packer failed to hold longer than one minute. Recovered nearly 800 feet of drilling mud with slight show of gas.

DST No. 2 - 5506-5535 - Weak blow for 13 minutes, opened bypass at end of 30 minutes, very weak blow for 4 minutes. Tool open 40 minutes, recovered 20 feet of slightly gas-cut mud. SIP 45# in 20 minutes, FP's 10 to 35#.

DST No. 3 - Double packer 5465 and 5473 to 5535. Strong blow throughout. Tool open 1 hour, recovered 1440 feet of salt water. SIP 1850# in 15 minutes, FP's 250 to 750#.

STRUCTURAL COMPARISONS

The nearest control points for the No. 1 Alexander are the Huber, No. 1 Lemon-Barbee, SW SW Section 30-34S-19W, a little over 4 miles to the northeast, and the Sunray, No. 1 Harper, C SE SE Section 21-34S-21W, about 5 1/2 miles to the northwest. The structural or topographic relief on some of the principal markers between the Alexander and these two wells is shown as follows:

<u>Formation</u>	Structural Relation	Structural Relation
	No. 1 Alexander to Huber, <u>No. 1 Lemon-Barbee</u>	No. 1 Alexander to Sunray, <u>No. 1 Harper</u>
Stone Corral	36 feet lower	? Top unknown
Elgin sandstone	92 feet lower	65 feet lower
Lansing-Kansas City	103 feet lower	75 feet lower
5472' sandstone of	All Morrow zone	
No. 1 Alexander	sandstones absent	36 feet lower
Mississippi line	293 feet lower	10 feet higher

It will be noted from the above comparisons that the No. 1 Alexander consistently increased section all the way from the Stone Corral to the Mississippi line over the No. 1 Lemon-Barbee, but thinned up somewhat over the No. 1 Harper in the Lansing-Kansas City and Cherokee-Morrow groups. The depositional and structural patterns of the rocks in the No. 1 Alexander bear a normal and predictable relationship to those found on either side in the No. 1 Lemon-Barbee and No. 1 Harper.

Very truly yours,

R. A. Carmody

R. A. Carmody

RAC:as

Encl.

FALCON SEABOARD DRILLING COMPANYNO. 1 ALEXANDER

C SL NE NE Section 5-35S-20W

Comanche County, Kansas

Elevation: 1766' KB

Size Hole: 9"

Type of Rig: U-15

Drill Pipe: 4 1/2" Full Hole

Drilling Time Recorded by Geologist

Weight on Drilling Bit: 20,000#

R.P.M. Rotary Table: 100

DRILLING TIME

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
2000-2005	15	
2005-2010	20	
2010-2015	4	
2015-2020	3	
2020-2025	4	
2025-2030	5	
2030-2035	3	
2035-2040	3	
2040-2045	3	
2045-2050	5	
2050-2055	4	
2055-2060	7	
2060-2065	5	
2065-2070	13	
2070-2075	12	
2075-2080	8	
2080-2085	5	
2085-2090	4	
2090-2095	5	
2095-2100	9	
2100-2105	5	
2105-2110	8	
2110-2115	16	
2115-2120	1	
2120-2125	19	
2125-2130	8	
2130-2135	15	
2135-2140	7	
2140-2145	12	
2145-2150	11	
2150-2155	6	
2155-2160	6	
2160-2165	9	
2165-2170	15	
2170-2175	13	
2175-2180	18	
2180-2185	15	
2185-2190	10	

Trip 2114

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
2190-2195	9	
2195-2200	22	
2200-2205	15	
2205-2210	11	
2210-2215	20	
2215-2220	16	
2220-2225	27	
2225-2230	15	
2230-2235	20	
2235-2240	16	
2240-2245	54	
2245-2250	18	
2250-2255	17	
2255-2260	15	
2260-2265	15	
2265-2270	17	
2270-2275	17	
2275-2280	13	
2280-2285	15	
2285-2290	13	
2290-2295	12	
2295-2300	17	
2300-2305	24	
2305-2310	19	Trip 2305
2310-2315	12	
2315-2320	11	
2320-2325	18	
2325-2330	15	
2330-2335	29	
2335-2340	21	
2340-2345	38	
2345-2350	36	
2350-2355	32	
2355-2360	22	Trip 2357
2360-2365	14	
2365-2370	13	
2370-2375	23	
2375-2380	22	
2380-2385	29	
2385-2390	24	
2390-2395	57	
2395-2400	59	
2400-2405	30	
2405-2410	14	Trip 2408
2410-2415	20	
2415-2420	13	
2420-2425	13	
2425-2430	14	
2430-2435	10	
2435-2440	11	

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
2440-2445	8	
2445-2450	14	
2450-2455	7	
2455-2460	5	
2460-2465	9	
2465-2470	11	
2470-2475	12	
2475-2480	2	
2480-2485	15	
2485-2490	10	
2490-2495	13	
2495-2500	12	
2500-2505	15	
2505-2510	14	
2510-2515	26	
2515-2520	23	
2520-2525	28	
2525-2530	32	
2530-2535	26	
2535-2540	27	
2540-2545	23	
2545-2550	16	
2550-2555	11	
2555-2560	19	
2560-2565	25	
2565-2570	38	
2570-2575	15	
2575-2580	16	
2580-2585	14	
2585-2590	13	
2590-2595	14	
2595-2600	13	
2600-2605	13	
2605-2610	13	
2610-2615	17	
2615-2620	17	
2620-2625	17	
2625-2630	15	
2630-2635	19	
2635-2640	16	
2640-2645	15	
2645-2650	18	
2650-2655	21	
2655-2660	18	
2660-2665	17	
2665-2670	18	
2670-2675	18	
2675-2680	15	

Trip 2569

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
2680-2685	17	
2685-2690	23	
2690-2695	22	
2695-2700	21	
2700-2705	23	
2705-2710	28	
2710-2715	31	Trip 2715
2715-2720	17	
2720-2725	15	
2725-2730	12	
2730-2735	11	
2735-2740	10	
2740-2745	12	
2745-2750	12	
2750-2755	17	
2755-2760	10	
2760-2765	12	
2765-2770	11	
2770-2775	12	
2775-2780	13	
2780-2785	11	
2785-2790	8	
2790-2795	15	
2795-2800	9	
2800-2805	15	
2805-2810	16	
2810-2815	15	
2815-2820	9	
2820-2825	12	
2825-2830	14	
2830-2835	10	
2835-2840	17	
2840-2845	18	
2845-2850	11	
2850-2855	12	
2855-2860	12	
2860-2865	15	
2865-2870	17	
2870-2875	16	
2875-2880	16	
2880-2885	17	
2885-2890	20	
2890-2895	16	
2895-2900	15	
2900-2905	19	
2905-2910	16	
2910-2915	16	
2915-2920	19	

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
2920-2925	23	
2925-2930	16	
2930-2935	12	
2935-2940	9	
2940-2945	14	
2945-2950	14	
2950-2955	11	
2955-2960	18	
2960-2965	23	
2965-2970	15	
2970-2975	11	
2975-2980	8	
2980-2985	14	
2985-2990	15	
2990-2995	14	
2995-3000	13	
3000-3005	14	
3005-3010	9	
3010-3015	13	
3015-3020	7	
3020-3025	11	
3025-3030	11	
3030-3035	11	
3035-3040	10	
3040-3045	8	
3045-3050	9	
3050-3055	16	
3055-3060	12	
3060-3065	11	
3065-3070	13	
3070-3075	13	
3075-3080	14	
3080-3085	85	
3085-3090	11	
3090-3095	17	
3093-3100	17	
3100-3105	10	
3105-3110	13	
3110-3115	13	
3115-3120	6	
3120-3125	20	
3125-3130	17	
3130-3135	15	
3135-3140	8	
3140-3145	12	
3145-3150	18	
3150-3155	9	
3155-3160	5	
3160-3165	5	
3165-3170	6	

Trip 2960

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
3170-3175	7	
3175-3180	6	
3180-3185	10	
3185-3190	8	
3190-3195	13	
3195-3200	12	
3200-3205	23	
3205-3210	13	
3210-3215	17	
3215-3220	21	
3220-3225	10	
3225-3230	6	
3230-3235	17	
3235-3240	12	
3240-3245	13	
3245-3250	17	
3250-3255	23	
3255-3260	13	Trip at 3255
3260-3265	13	
3265-3270	11	
3270-3275	12	
3275-3280	11	
3280-3285	10	
3285-3290	11	
3290-3295	7	
3295-3300	9	
3300-3305	8	
3305-3310	9	
3310-3315	10	
3315-3320	7	
3320-3325	5	
3325-3330	11	
3330-3335	13	
3335-3340	18	
3340-3345	11	
3345-3350	12	
3350-3355	9	
3355-3360	13	
3360-3365	11	
3365-3370	8	
3370-3375	12	
3375-3380	18	
3380-3385	10	
3385-3390	15	
3390-3395	14	
3395-3400	13	
3400-3405	8	
3405-3410	8	

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
3410-3415	9	
3415-3420	14	
3420-3425	15	
3425-3430	15	
3430-3435	11	
3435-3440	16	
3440-3445	15	
3445-3450	13	
3450-3455	10	
3455-3460	12	
3460-3465	11	
3465-3470	11	
3470-3475	9	
3475-3480	13	
3480-3485	11	
3485-3490	13	
3490-3495	12	
3495-3500	12	
3500-3510	2-2-3-3-2 - 4-4-3-4-3	Trip 3515
3510-3520	3-4-4-4-6 - 3-3-1-1-4	
3520-3530	2-3-3-2-3 - 3-2-4-2-3	
3530-3540	2-2-2-3-2 - 2-2-2-3-3	
3540-3550	2-3-3-1-2 - 2-2-3-3-1	
3550-3560	3-3-3-3-3 - 3-2-2-3-2	
3560-3570	2-3-2-3-2 - 2-2-3-3-2	
3570-3580	3-3-3-3-3 - 2-3-3-3-3	
3580-3590	2-3-2-3-3 - 3-4-4-4-3	
3590-3600	4-3-3-4-3 - 3-3-2-5-4	
3600-3610	4-3-3-3-3 - 3-3-4-3-4	Trip 3701
3610-3620	3-3-4-3-4 - 3-4-4-4-3	
3620-3630	3-3-4-4-4 - 3-4-3-3-3	
3630-3640	3-3-3-3-3 - 3-3-4-3-3	
3640-3650	3-5-4-4-4 - 3-3-3-3-3	
3650-3660	3-3-2-2-1 - 2-2-2-3-3	
3660-3670	3-3-3-4-4 - 3-3-4-5-4	
3670-3680	4-4-4-4-4 - 4-5-4-5-8	
3680-3690	3-4-3-5-4 - 5-5-5-5-5	
3690-3700	4-4-6-4-5 - 4-5-5-5-6	
3700-3710	5-2-3-4-4 - 4-4-5-5-5	
3710-3720	5-5-5-3-4 - 3-4-3-4-5	
3720-3730	3-3-3-5-3 - 5-2-5-3-5	
3730-3740	3-4-4-4-3 - 4-4-5-4-5	
3740-3750	5-4-6-4-6 - 3-3-4-6-5	
3750-3760	3-4-4-5-4 - 5-3-3-2-3	
3760-3770	3-2-2-3-3 - 4-4-3-4-5	
3770-3780	5-4-4-5-5 - 4-4-4-3-4	
3780-3790	3-3-4-3-4 - 4-3-4-4-4	
3790-3800	4-3-4-3-3 - 2-1-1-3-5	

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
3800-3810	4-3-4-4-4 - 6-3-4-4-4	
3810-3820	4-4-3-4-3 - 3-3-5-7-6	
3820-3830	4-3-5-5-4 - 4-4-3-4-5	
3830-3840	4-3-4-5-4 - 5-6-4-6-5	
3840-3850	5-4-6-6-5 - 7-6-5-4-4	
3850-3860	5-4-5-4-4 - 5-5-5-5-9	
3860-3870	5-4-3-4-4 - 5-3-4-3-3	Trip 3861
3870-3880	3-3-2-2-4 - 4-4-4-5-5	
3880-3890	4-4-4-4-4 - 4-4-5-4-4	
3890-3900	3-3-4-3-3 - 3-3-3-2-2	
3900-3910	2-3-3-3-4 - 3-3-4-3-5	
3910-3920	5-4-4-3-3 - 3-3-3-3-5	
3920-3930	3-3-3-3-3 - 4-3-4-5-4	
3930-3940	3-3-3-4-3 - 3-3-3-3-4	
3940-3950	4-3-3-3-3 - 4-5-4-4-4	
3950-3960	3-4-6-6-5 - 5-4-4-4-4	
3960-3970	4-4-4-5-5 - 4-5-5-5-5	
3970-3980	4-5-4-4-3 - 4-4-5-6-6	
3980-3990	5-5-5-6-6 - 5-6-7-10-11	
3990-4000	10-7-6-5-8 - 6-5-5-5-5	Trip 3994
4000-4010	4-5-4-4-2 - 3-2-3-4-4	
4010-4020	4-3-3-4-4 - 3-3-4-3-4	
4020-4030	5-5-4-2-4 - 4-5-4-4-4	
4030-4040	5-5-8-4-3 - 5-4-4-3-5	
4040-4050	3-4-3-5-5 - 4-3-4-3-4	
4050-4060	5-4-4-5-4 - 4-3-4-5-4	
4060-4070	5-4-4-3-4 - 4-4-3-2-3	
4070-4080	3-4-3-4-4 - 4-3-3-4-4	
4080-4090	4-3-3-3-4 - 4-3-3-4-5	
4090-4100	4-3-3-4-3 - 3-3-3-3-4	
4100-4110	4-2-2-3-2 - 5-4-4-4-3	
4110-4120	4-3-3-5-5 - 4-2-2-2-3	
4120-4130	4-3-2-7-6 - 7-7-3-8-8	
4130-4140	4-3-2-2-2 - 3-3-3-2-3	
4140-4150	4-3-3-4-3 - 4-3-4-8-4	
4150-4160	5-4-3-3-4 - 4-4-3-3-3	
4160-4170	3-3-3-3-3 - 3-3-4-4-4	
4170-4180	3-3-3-2-3 - 3-2-4-2-4	
4180-4190	3-4-3-2-2 - 1-1-1-1-1	
4190-4200	1-1-1-1-1 - 1-1-1-1-1	
4200-4210	1-1-1-1-1 - 2-2-2-2-2	
4210-4220	1-2-1-2-2 - 3-2-3-2-3	
4220-4230	3-3-3-3-3 - 3-3-3-3-3	
4230-4240	4-4-3-3-4 - 3-3-4-4-4	
4240-4250	4-5-3-3-3 - 3-3-3-3-2	
4250-4260	3-3-3-3-4 - 4-3-2-4-2	Trip 4252
4260-4270	4-4-3-3-4 - 3-3-3-4-3	
4270-4280	4-3-4-3-3 - 3-3-3-3-2	
4280-4290	3-2-2-3-3 - 3-3-3-3-3	
4290-4300	2-2-3-3-4 - 4-3-4-3-3	

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
4300-4310	2-2-4-4-3 - 3-3-3-2-3	
4310-4320	2-2-1-2-3 - 3-2-3-3-3	
4320-4330	3-2-3-3-3 - 4-1-1-1-1	
4330-4340	3-4-4-3-3 - 3-3-3-3-3	
4340-4350	3-3-3-3-3 - 3-3-3-4-3	
4350-4360	4-3-4-3-3 - 4-4-3-4-5	
4360-4370	5-3-4-3-4 - 4-4-3-4-3	
4370-4380	4-2-3-3-4 - 4-6-4-5-5	
4380-4390	5-5-6-5-5 - 6-6-5-4-6	
4390-4400	4-4-5-5-5 - 4-5-4-6-6	
4400-4410	3-3-3-4-3 - 4-3-3-3-3	
4410-4420	3-3-3-4-4 - 3-3-4-3-2	
4420-4430	4-4-3-3-4 - 4-4-4-2-3	
4430-4440	4-3-4-4-4 - 3-4-4-3-4	
4440-4450	3-4-3-3-4 - 3-4-3-5-4	
4450-4460	4-3-3-4-4 - 3-4-4-5-3	
4460-4470	3-4-3-4-4 - 4-4-4-4-4	
4470-4480	3-3-4-4-4 - 4-3-3-4-5	
4480-4490	3-4-3-5-4 - 3-4-4-4-4	
4490-4500	4-4-4-4-4 - 5-4-4-5-5	
4500-4510	3-4-4-3-4 - 4-4-4-8-9	
4510-4520	4-5-6-4-3 - 4-3-4-2-3	Trip 4511
4520-4530	2-5-3-4-4 - 4-5-5-7-7	
4530-4540	5-5-5-5-5 - 4-4-4-4-4	
4540-4550	4-4-4-4-4 - 4-4-5-5-7	
4550-4560	6-5-7-6-7 - 6-7-6-5-6	
4560-4570	7-6-7-7-7 - 8-6-6-4-3	
4570-4580	3-2-4-5-7 - 7-8-8-6-4	
4580-4590	4-3-5-5-5 - 6-8-9-8-9	
4590-4600	4-5-7-5-6 - 4-3-3-4-2	Circ. & trip 4590
4600-4610	3-4-4-6-5 - 5-5-3-3-3	
4610-4620	4-3-3-2-2 - 3-3-2-3-4	
4620-4630	3-4-3-4-5 - 8-6-6-5-7	
4630-4640	6-8-8-7-8 - 6-6-6-8-9	
4640-4650	7-13-11-10-9 - 10-9-7-7-7	
4650-4660	8-8-7-7-8 - 11-10-10-9-7	
4660-4670	14-15-15-13-8 - 15-10-9-7-9	Trip 4667
4670-4680	9-8-7-8-8 - 6-5-5-6-8	
4680-4690	7-13-10-10-7 - 8-4-8-5-6	
4690-4700	6-9-5-6-9 - 9-10-9-11-11	
4700-4710	7-3-4-5-6 - 9-9-10-8-9	
4710-4720	11-9-9-13-13 - 10-10-15-6-9	
4720-4730	11-11-14-9-9 - 9-12-11-11-11	
4730-4740	12-8-6-10-11 - 3-3-4-6-5	
4740-4750	8-8-7-7-9 - 8-8-6-7-5	
4750-4760	6-6-6-5-4 - 5-5-8-3-2	
4760-4770	3-1-1-1-1 - 1-1-2-3-7	
4770-4780	5-6-8-9-9 - 8-10-12-5-5	
4780-4790	7-4-5-4-5 - 4-5-5-5-4	
4790-4800	4-5-5-5-5 - 5-4-3-3-6	

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
4800-4810	5-6-4-4-4 - 5-6-5-4-3	
4810-4820	3-4-5-5-5 - 6-7-6-7-7	
4820-4830	8-6-5-8-6 - 8-8-7-6-5	
4830-4840	6-7-7-8-7 - 7-7-8-8-7	
4840-4850	7-6-7-7-6 - 6-7-6-7-8	
4850-4860	8-6-6-7-7 - 5-5-4-3-6	
4860-4870	6-8-9-10-9 - 7-10-9-10-10	
4870-4880	10-10-14-13-6 - 7-7-7-8-8	
4880-4890	10-7-9-9-9 - 9-10-9-10-8	
4890-4900	10-9-9-10-8 - 7-8-7-10-7	Trip 4895
4900-4910	7-4-6-4-5 - 4-6-7-5-6	
4910-4920	6-7-8-7-6 - 7-7-6-9-7	
4920-4930	8-8-7-8-7 - 8-8-8-7-8	
4930-4940	8-7-6-5-6 - 6-7-6-6-5	
4940-4950	5-4-5-3-6 - 5-6-7-8-10	
4950-4960	5-9-10-11-7 - 8-9-10-9-11	
4960-4970	8-9-9-10-10 - 10-9-9-7-8	
4970-4980	9-9-8-10-10 - 10-10-10-10-10	
4980-4990	10-11-10-12-11 - 3-4-7-2-2	
4990-5000	1-2-2-4-5 - 4-8-5-5-7	
5000-5010	8-6-10-8-3 - 6-8-4-6-8	
5010-5020	9-9-8-10-8 - 7-9-11-5-4	
5020-5030	5-7-8-8-10 - 6-10-6-9-7	
5030-5040	6-8-5-6-5 - 4-6-2-3-1	
5040-5050	2-3-7-6-6 - 7-7-7-8-7	
5050-5060	7-7-6-3-4 - 3-6-4-6-6	
5060-5070	7-5-8-8-7 - 6-6-10-6-8	
5070-5080	7-8-7-6-7 - 6-6-5-4-5	
5080-5090	5-5-5-6-5 - 8-6-7-7-7	
5090-5100	7-5-5-4-6 - 5-6-4-5-5	Trip 5092
5100-5110	6-6-5-3-3 - 3-4-5-5-5	
5110-5120	5-5-5-6-6 - 6-7-7-8-5	
5120-5130	5-5-5-5-5 - 5-6-6-6-6	
5130-5140	6-7-6-7-7 - 6-6-7-7-8	
5140-5150	7-8-7-8-7 - 6-7-8-9-9	
5150-5160	8-7-8-11-8 - 9-7-5-7-8	
5160-5170	8-5-9-11-10 - 8-12-10-8-11	
5170-5180	9-12-9-9-6 - 9-8-8-7-7	
5180-5190	9-8-9-11-8 - 8-10-8-9-6	
5190-5200	9-10-12-14-14 - 6-5-8-6-5	Trip 5196
5200-5210	4-4-5-4-4 - 6-7-6-6-5	
5210-5220	4-7-6-6-5 - 4-6-7-7-6	
5220-5230	8-7-6-4-2 - 3-7-9-8-9	
5230-5240	7-5-6-6-6 - 8-5-4-6-5	
5240-5250	5-7-6-5-5 - 6-5-5-8-5	
5250-5260	6-7-5-7-7 - 7-9-8-8-8	
5260-5270	9-9-7-8-9 - 9-8-9-9-10	
5270-5280	8-7-4-3-5 - 8-7-9-10-9	
5280-5290	9-9-9-8-6 - 9-9-8-8-6	
5290-5300	7-9-4-2-2 - 3-2-2-5-5	Trip 5292

<u>Depth</u>	<u>Minutes</u>	<u>Remarks</u>
5300-5310	7-5-5-6-3 - 7-5-5-6-5	
5310-5320	6-5-5-5-6 - 7-4-4-5-5	
5320-5330	7-8-5-7-6 - 5-6-6-5-3	
5330-5340	4-5-3-4-4 - 3-5-6-7-5	
5340-5350	6-7-6-6-5 - 4-4-3-3-5	
5350-5360	4-5-5-4-2 - 6-4-5-4-2	
5360-5370	4-4-5-7-7 - 4-4-4-7-4	
5370-5380	6-6-6-6-4 - 4-4-4-6-6	
5380-5390	4-5-4-6-4 - 3-4-5-5-6	
5390-5400	4-4-4-3-3 - 2-2-2-3-3	
5400-5410	6-5-5-7-4 - 2-4-3-2-5	
5410-5420	6-5-4-4-4 - 4-4-5-4-5	
5420-5430	5-3-3-2-3 - 6-3-2-4-4	
5430-5440	5-6-4-4-4 - 4-4-5-5-4	
5440-5450	4-6-5-4-4 - 6-4-5-5-5	
5450-5460	6-6-5-4-4 - 4-3-5-10-7	
5460-5470	7-9-11-5-4 - 4-3-4-5-7	
5470-5480	4-5-2-2-4 - 3-2-2-3-2	
5480-5490	4-1-2-2-1 - 2-2-3-4-5	
5490-5500	6-2-4-4-1 - 3-6-6-4-2	
5500-5510	1-3-1-4-9 - 7-8-7-5-4	
5510-5520	5-5-5-6-5 - 10-8-8-9-12	
5520-5530	8-6-9-8-7 - 10-12-10-13-10	Circ. for samples 5530
5530-5540	7-7-9-10-10 - 8-8-8-9-7	
5540-5550	8-9-10-8-10 - 6-9-11-15-9	
5550-5560	11-12-12-12-12 - 11-10-10-10-7	
5560-5570	7-10-10-6-5 - 8-10-10-11-9	
5570-5580	10-7-11-8-8 - 7-8-7-9-9	
5580-5590	11-11-13-10-11 - 11-9-11-12-9	
5590-5600	11-9-10-8-9 - 11-9-10-11-6	Trip 5600
5600-5610	9-7-7-6-7 - 7-3-5-6-6	
5610-5620	7-9-6-7-6 - 7-9-8-10-9	
5620-5630	10-10-11-6-9 - 9-6-7-8-8	
5630-5640	7-8-7-10-8 - 9-12-13-13-14	
5640-5650	13-12-11-12-12 - 11-11-11-9-10	

Total Depth - 5650 Feet

FALCON-SEABOARD DRILLING COMPANYNO. 1 ALEXANDER

C SL NE NE Section 3-35S-20W

Comanche County, Kansas

Elevations: 1757' G.L.--1764' D.P.--1766' K.B. TD 5650'

Spudded in: August 14, 1954

Started Under Surface: August 18, 1954

Completed Rotary Drilling: September 7, 1954

Casing: 66' of 16" conductor
617' of 10 3/4" surface

Contractor: Company Tools - Rig No. 21

Tool Pusher: Art Nystrom

B I T R E C O R D

<u>From</u>	<u>To</u>	<u>Make</u>	<u>Type</u>	<u>Footage</u>	<u>Hours Run</u>
630	- 1905	Hughes	OSC-3	1275	10 3/4
1905	- 2120	"	OSC	215	5 1/4
2120	- 2305	"	OSC	185	9
2305	- 2357	G-P	ES3	52	4
2357	- 2408	Hughes	OWV	51	4
2408	- 2569	"	OWV	161	8 3/4
2569	- 2715	"	OWV	146	9 1/4
2715	- 2964	"	OWV	249	12 1/4
2964	- 3255	"	OWV	291	13
3255	- 3515	"	OWV	260	10 3/4
3515	- 3700	"	OWV	185	10 1/2
3700	- 3860	"	OSC	160	11 1/2
3860	- 3995	G-P	ES3	135	9 1/2
3995	- 4252	Hughes	OW	257	15 1/4
4252	- 4510	"	OWV	258	15 3/4
4510	- 4590	"	OWV	80	7
4590	- 4666	"	OW	76	8 1/2
4666	- 4778	"	W-7	112	14 1/4
4778	- 4895	G-P	EH	117	13 1/2
4895	- 4985	"	EH	90	12
4985	- 5091	Hughes	OW	106	11 1/4
5091	- 5195	G-P	ES-3	104	13
5195	- 5242	Hughes	OW	97	11
5242	- 5463	"	OW	171	14
5463	- 5530	"	OW	67	6 1/4
5530	- 5599	"	W-7	69	10 1/2
5599	- 5650	G-P	EH	51	7 3/4