

STELBAR OIL CORPORATION, INC.

310 PETROLEUM BUILDING

WICHITA 2, KANSAS

GEOLOGICAL REPORT

OF

STELBAR OIL CORPORATION, INC., ET AL

NO. 1 MATZEK

**NW NW NW SECTION 21-T30S-R1E
SUMNER COUNTY, KANSAS**

STELBAR OIL CORPORATION, INC.

310 PETROLEUM BUILDING

WICHITA 2, KANSAS

JUNE 18, 1958

RE: GEOLOGICAL REPORT
STELBAR ET AL NO. 1 MATZEK
NW NW NW SEC. 21-T308-R1E
SUMNER COUNTY, KANSAS

GENTLEMEN:

SAMPLES WERE EXAMINED FROM 2700 FEET TO 3931 FEET, THE ROTARY TOTAL DEPTH. DRILLING WAS SUPERVISED IN THE KANSAS CITY AND UPPER MISSISSIPPIAN SECTIONS AND FROM 3735 FEET TO THE TOTAL DEPTH. TWO DRILL STEM TESTS WERE TAKEN OF THE WELL.

FOLLOWING ARE THE TOPS OF THE FORMATIONS AS DETERMINED BY SAMPLE ANALYSIS. ALL MEASUREMENTS WERE TAKEN FROM THE KELLY BUSHING.

ELEVATION 1231 DERRICK FLOOR
1234 KELLY BUSHING

	<u>SAMPLES</u>	<u>DATUM</u>
KANSAS CITY	2759	(-1525)
MISSISSIPPIAN CHERT	3369	(-2135)
MISSISSIPPIAN LIME	3373	(-2139)
KINDERHOOK	3757	(-2523)
MISENER	3799	(-2565)
SIMPSON DOLOMITE	3811	(-2577)
SIMPSON SAND	3836	(-2602)
ARBUCKLE	3896	(-2662)
ROTARY TOTAL DEPTH	3931	(-2697)

FOLLOWING IS A SAMPLE DESCRIPTION OF THE ZONES OF INTEREST WITHIN THE VARIOUS FORMATIONS. THERE WERE NO SHOWS OF OIL IN THE KANSAS CITY SECTION.

MISSISSIPPIAN

3369-3373 CHERT, WEATHERED, BUFF SPICULAR TO VARICOLORED.

3373-3379 LIMESTONE, LIGHT BUFF DOLOMITIC BUFF SPICULAR CHERT.

3379-3387 DOLOMITE, BUFF TO GRAY FINELY CRYSTALLINE, NO SHOWS.

3387-3418 LIMESTONE, LIGHT BUFF DENSE FINELY CRYSTALLINE

MISSISSIPPIAN CONT'D

DOLOMITIC WITH INTERBEDDED LIGHT GRAY
OPAQUE CHERT.

- 3418-3423 DOLOMITE, BUFF SUCROSE, NO SHOWS.
- 3423-3547 LIMESTONE, BUFF TO LIGHT GRAY DOLOMITIC
SOME INTERBEDDED GRAY SPECKLED CHERT,
STREAKS OF SUCROSE BUFF DOLOMITE WITH
NO SHOWS.
- 3547-3638 LIMESTONE, DENSE GRAY FINELY CRYSTALLINE.
- 3638-3737 LIMESTONE, DENSE DARK GRAY TO BROWN FINELY
CRYSTALLINE.
- 3737-3748 DOLOMITE, BROWN FINELY CRYSTALLINE GLAUCOMITIC.
- 3748-3757 LIMESTONE, WHITE TO LIGHT GRAY FINELY
CRYSTALLINE.

MISENER

- 3799-3811 SANDSTONE, CONSIDERABLE LOOSE SLIGHTLY
FROSTED ANGULAR, SOME LOOSE WEATHERED
SURFACE SAND. RAINBOW SHOW OF OIL, NO
ODOR.

DRILL STEM TEST No. 1: 3802 TO 3810. OPEN 1/2 HOUR. VERY WEAK
BLOW FOR 1/2 MINUTE. RECOVERED 3 FEET OF
ROTARY MUD. INITIAL SHUT-IN PRESSURE 39 PSI IN 20 MINUTES. NO
FINAL SHUT-IN PRESSURE WAS TAKEN.

SIMPSON

- 3811-3816 DOLOMITE, BUFF TO BROWN FINELY CRYSTALLINE
SANDY DOLOMITE, POOR CRYSTALLINE POROSITY,
SLIGHT STREAKS OF VUGULAR POROSITY. VERY
SLIGHT STAIN AND ODOR.

DRILL STEM TEST No. 2: 3812 TO 3815. OPEN 35 MINUTES. VERY WEAK
BLOW FOR 1 MINUTE. RECOVERED 5 FEET OF
ROTARY MUD. INITIAL SHUT-IN PRESSURE 39 PSI IN 20 MINUTES. NO
FINAL SHUT-IN PRESSURE WAS TAKEN.

- 3816-3828 DOLOMITE, BROWN FINELY CRYSTALLINE SANDY
TIGHT TRACE OF CLEAR TO SLIGHTLY FROSTED
MEDIUM GRAIN SAND.
- 3828-3832 CLEAR MEDIUM GRAIN SAND CLUSTER VERY DOLOMITIC.
- 3832-3836 DOLOMITE, BUFF TO BROWN, SANDY.

SIMPSON CONT'D

- 3836-3842 SANDSTONE, CLEAR TO SLIGHTLY FROSTED MEDIUM GRAINED, SLIGHTLY DOLOMITIC.
- 3842-3854 SANDSTONE, CLEAR TO SLIGHTLY FROSTED MEDIUM TO COARSE SAND GRAINS.
- 3854-3866 SHALE, GREEN TO GRAY-GREEN WAXY.
- 3866-3882 SANDSTONE, WHITE FINE GRAINED.
- 3882-3896 SANDSTONE, COARSE GRAINED WITH STREAKS OF PYRITE AND GREEN WAXY SHALE.

ARBUCKLE

- 3896-3914 DOLOMITE, LIGHT GRAY TO BUFF COARSELY CRYSTALLINE, SOME LIGHT GRAY TRANSLUCENT CHERT. FAIR TO GOOD CRYSTALLINE TO VUGULAR POROSITY, CALCAREOUS RESIDUE, NO STAINING.
- 3914-3931 DOLOMITE, LIGHT BUFF COARSELY CRYSTALLINE, GOOD CRYSTALLINE TO VUGULAR POROSITY, NO SHOWS.

THE KANSAS CITY AND MISSISSIPPIAN SECTIONS OF THE NO. 1 MATZEK WERE ENCOUNTERED ABOUT FLAT WITH THE NO. 2 DOWNS IN SECTION 20. DOLOMITE WAS ENCOUNTERED ABOVE THE SAND IN THE SIMPSON SECTION OF THE NO. 1 MATZEK. THE SIMPSON DOLOMITE IS 3 FEET LOWER THAN THE SIMPSON SAND OF THE NO. 2 DOWNS, AND THE SIMPSON SAND OF NO. 1 MATZEK IS 28 FEET LOWER THAN THE NO. 2 DOWNS. THE ARBUCKLE WAS ENCOUNTERED 39 FEET LOWER THAN A DRY HOLE IN THE NORTHWEST QUARTER OF SECTION 15-T30-R1E.

IT WAS RECOMMENDED THAT THE NO. 1 MATZEK BE PLUGGED AND ABANDONED.

YOURS VERY TRULY,

Clark A. Roach
CLARK A. ROACH

CAR:ss

STELBAR OIL CORP., INC., ET AL
 No. 1 MATZEK
 NW NW NW SEC. 21-T30S-R1E
 SUMNER COUNTY, KANSAS

DEPTH FROM To	DRILLING TIME PER FOOT	REMARKS
2700-2710	3-3-4-3-3-4-3-4-3-2	
2710-2720	2-3-1-1-2-3-3-3-3-2	
2720-2730	4-2-3-3-3-2-3-2-3-3	
2730-2740	4-3-2-2-3-2-2-4-4-4	
2740-2750	3-2-2-2-2-3-2-2-3-2	
2750-2760	3-2-2-3-3-3-4-3-2-3	
2760-2770	4-3-4-4-5-5-3-3-2-2	
2770-2780	4-4-1-2-3-4-4-3-4-3	
2780-2790	4-3-3-4-5-3-3-3-3-3	
2790-2800	1-2-2-3-2-3-3-4-3-3	
2800-2810	2-2-2-2-4-2-3-4-8-9	
2810-2820	7-6-4-3-4-7-7-8-4-3	
2820-2830	4-3-2-3-3-3-2-2-3-2	
2830-2840	3-3-3-3-3-2-2-2-2-3	
2840-2850	2-2-2-6-7-13-10-8-5-3	
2850-2860	4-2-4-5-4-5-6-6-7-11	
2860-2870	12-10-9-2-2-2-2-2-3-2	
2870-2880	2-2-2-1-2-1-1-2-2-1	
2880-2890	2-2-2-2-3-7-13-7-6-6	
2890-2900	8-9-10-9-11-4-2-2-3-3	
2900-2910	3-4-2-2-2-1-1-1-2-3	
2910-2920	3-3-3-3-2-3-3-3-3-3	
2920-2930	4-3-3-3-3-4-4-3-3-3	
2930-2940	4-4-3-3-4-4-4-3-4-4	
2940-2950	1-1-1-1-1-2-1-1-2-5	
2950-2960	4-2-4-3-2-1-1-5-4-4	
2960-2970	3-3-4-4-5-3-4-4-4-4	
2970-2980	3-4-3-3-4-5-3-4-5-4	
2980-2990	4-5-5-4-5-4-4-4-3-5	
2990-3000	5-5-6-6-6-6-6-5-6-6	
3000-3010	7-6-7-9-8-6-5-5-5-3	
3010-3020	4-3-3-3-4-4-4-3-4-4	
3020-3030	4-5-1-3-2-3-4-5-5-5	
3030-3040	4-4-5-4-4-5-5-4-5-5	
3040-3050	5-11-7-6-5-4-5-4-4-4	
3050-3060	3-4-2-2-2-1-2-2-3-3	
3060-3070	3-4-3-2-2-4-3-5-3-3	
3070-3080	4-4-3-3-5-5-3-3-6-6	
3080-3090	7-5-3-2-5-4-3-3-4-4	
3090-3100	5-6-7-10-6-4-5-5-5-5	
3100-3110	3-2-4-5-4-6-5-4-7-6	
3110-3120	5-5-3-4-5-4-4-4-5-3	
3120-3130	4-4-2-2-4-3-6-7-4-5	
3130-3140	6-5-6-6-5-5-6-5-5-6	
3140-3150	6-5-5-5-5-5-5-6-4-6	
3150-3160	5-6-4-5-4-5-4-4-4-3	

MADE TRIP @ 2895'

MADE TRIP @ 3094'

No. 1 MATZEN

DEPTH FROM To	DRILLING TIME PER FOOT	REMARKS
3160-3170	3-6-6-3-5-5-3-3-2-1	
3170-3180	4-3-3-4-6-5-5-5-4-4	
3180-3190	4-4-4-5-5-3-4-4-4-5	
3190-3200	5-4-4-6-4-3-2-2-3-2	
3200-3210	3-3-2-4-5-5-8-5-4-4	
3210-3220	4-5-4-4-4-3-3-3-3-3	
3220-3230	3-4-3-3-2-2-4-4-4-4	
3230-3240	6-4-4-4-4-4-4-4-4-4	
3240-3250	2-4-4-4-4-5-5-4-5-5	
3250-3260	6-5-5-5-3-6-5-5-5-5	
3260-3270	6-5-6-5-3-5-4-4-4-3	
3270-3280	2-2-2-2-2-3-3-7-5-3	
3280-3290	5-3-3-5-4-5-3-4-2-2	
3290-3300	2-3-5-5-4-3-3-2-3-2	
3300-3310	4-4-2-3-5-3-3-4-4-3	
3310-3320	4-3-4-4-4-3-4-3-4-3	
3320-3330	2-3-2-3-2-3-3-4-6-5	
3330-3340	4-4-4-3-4-3-3-2-2-3	
3340-3350	3-4-4-9-7-3-4-3-3-3	
3350-3360	2-2-3-2-2-3-2-2-3-3	
3360-3370	3-3-4-3-4-4-3-3-3-3	
3370-3380	3-3-3-10-7-9-7-6-8-6	
3380-3390	6-8-6-8-7-8-8-12-10-11	
3390-3400	10-8-13-11-12-10-8-9-9-11	
3400-3410	12-8-11-10-11-11-14-9-9-11	
3410-3420	11-10-10-9-10-10-9-8-7-4	
3420-3430	15-5-5-3-3-4-5-4-7-8	
3430-3440	9-8-8-7-8-8-9-9-8-8	
3440-3450	9-8-9-6-8-7-10-10-9-7	
3450-3460	10-10-4-4-6-7-10-7-4-8	
3460-3470	5-5-5-5-4-7-7-7-7-6	
3470-3480	6-7-6-3-3-4-6-3-6-6	
3480-3490	5-5-7-7-4-5-5-6-7-5	
3490-3500	7-8-6-9-6-5-5-6-7-7	
3500-3510	10-6-7-7-6-6-6-6-7-7	
3510-3520	6-8-6-6-7-6-6-5-6-10	
3520-3530	8-7-7-7-6-8-7-8-9-9	
3530-3540	9-8-8-9-10-9-9-8-9-8	
3540-3550	9-8-9-9-9-10-8-11-11-11	
3550-3560	12-10-12-12-12-12-12-11-12-12	
3560-3570	13-13-14-10-10-11-10-10-7-9	
3570-3580	9-8-7-8-9-10-9-10-8-7	
3580-3590	8-9-9-8-9-8-7-6-9-9	
3590-3600	8-8-7-8-11-10-9-8-8-10	
3600-3610	9-10-8-8-8-9-10-8-10-10	
3610-3620	10-11-11-7-9-9-10-8-7-8	
3620-3630	8-9-8-8-6-10-11-10-8-9	
3630-3640	8-8-7-8-8-8-9-10-7-7	
3640-3650	7-6-7-8-9-7-7-8-9-7	

CIR 2 HRS @ 3370'

MADE TRIP @ 3473'
LOST CIR @ 3489'

MADE TRIP @ 3568'

No. 1 MATZEK

DEPTH FROM To	DRILLING TIME PER FOOT	REMARKS
3650-3660	7-8-8-7-9-7-8-8-7-9	MADE TRIP @ 3660'
3660-3670	7-10-7-8-8-11-7-8-9-5	
3670-3680	6-9-8-8-7-8-8-7-7-7	
3680-3690	7-8-6-7-7-6-7-7-7-6	
3690-3700	6-6-6-6-5-5-4-5-6-7	
3700-3710	5-4-7-7-8-6-8-7-7-7	
3710-3720	6-6-6-7-6-6-7-6-7-6	
3720-3730	6-6-5-6-7-5-7-5-5-10	
3730-3740	10-8-8-8-8-8-10-6-8-6	
3740-3750	6-5-6-7-5-6-6-6-12-9	
3750-3760	12-12-9-11-9-10-10-11-10-9	
3760-3770	7-6-6-7-6-7-6-6-7-6	
3770-3780	5-7-5-6-5-4-6-4-4-4	
3780-3790	6-5-4-4-5-5-4-4-3-5	
3790-3800	7-6-3-4-4-4-5-4-3-3	LOST CIR @ 3799'
3800-3810	4-4-4-3-5-3-5-4-5-3	CIR 1 HR @ 3800'
3810-3820	3-4-4-4-4-4-3-4-3-3	CIR 1 HR @ 3805'
3820-3830	4-4-3-1-3-3-2-3-2-2	CIR DST @ 3810'
3830-3840	6-5-8-6-6-7-6-7-7-8	CIR 1 HR @ 3821'
3840-3850	7-7-4-5-4-4-4-4-7-5	CIR 1 HR @ 3829'
3850-3860	4-5-4-5-6-7-5-6-6-5	
3860-3870	10-9-7-7-8-5-4-3-5-4	
3870-3880	6-7-17-6-7-7-8-6-5-11	
3880-3890	8-23-11-13-6-5-8-7-4-4	MADE TRIP @ 3884'
3890-3900	11-12-25-4-6-7-3-4-2-2	MADE TRIP @ 3898'
3900-3910	3-4-4-6-5-5-3-5-6-6	ROUGH
3910-3920	6-5-5-6-4-3-3-2-3-3	
3920-3930	2-2-2-3-4-5-4-4-5-5	
3930-3931	5	CIR 1 HR @ 3931' TD