

White & Ellis Drilling, Inc.,
Box 448
El Dorado, Kansas

October 30, 1957

Re: Pack Oil Company
No. I Cowell
SE SE SW
Sec. 19-31S-R.IW
Sumner County, Kansas

Pack Oil Company, Inc.,
W-K-H Bg.
Wichita, Kansas

Gentlemen:

The following is a geological report on the above captioned well. Samples were examined from 2500 feet to the rotary total depth of 3770 feet. The well was under the supervision of Mr. Dixon from 2700 feet to the base of the Kansas City Lime. I was present through the Mississippian section and to the total depth.

All tops and zones of porosity are from Kelly Bushing about 5 feet above ground level.

Elevation: K.B. 1247 D.F. 1245

<u>Formation</u>	<u>Depth</u>	<u>Sub-sea</u>	<u>Schlumberger</u>
Stalnaker	2755	-1508	2755-1508
Kansas City	3061	-1814	3058-1811
Mississippian	3713	-2466	3709-2523

STALNAKER SECTION

2755-2778 Sandstone, gray, fine to medium grained, sub-rounded, glauconitic, low porosity, no show.

KANSAS CITY SECTION

3081-3108 Limestone, light gray to white, finely crystalline, some chalky. Fair inter-crystalline porosity, no show.

3115-3148 Limestone, cream, finely crystalline, some dense, traces sharp white chert, no show.

3206-3213 Limestone, gray, finely crystalline, oolitic, no show.

MISSISSIPPIAN SECTION.

3709-3722 White to tan sharp chert and tan finely crystalline cherty dolomite. No show.

3722-3728 Dolomite, tan, finely crystalline, cherty, slightly silty, fair inter-crystalline porosity at top grading to good porosity at base. No show.

3731-3770 Dolomite, tan, finely crystalline, cherty. Fair inter-crystalline porosity. No show.

Remarks

No shows of oil or gas were encountered in the drilling of this well. The Mississippian ran approximately 65 feet lower than production in the Wellington pool a mile east. Schlumberger values were also condemnatory on all horizons. It was recommended that this well be declared dry and abandoned.

Yours Truly,

WHITE & ELLIS DRILLING, INC.

Howard Russell

Howard Russel, Geologist.

HER:mw

T I M E L O G

Pack Oil Company, Cowell No.] Sec 19-31S-1W SE SE SW, Sumner County, Kansas

<u>FROM-TO</u>	<u>MINUTES</u>	<u>REMARKS</u>
2700-2710	1-1-1-1-1-2-1-1-1-1	
2710-2720	2-2-1-2-2-2-2-1-2-2	
2720-2730	2-1-1-1-2-2-1-2-1-2	Conn @ 2722
2730-2740	1-2-2-2-2-1-1-1-1-1	
2740-2750	1-1-1-1-1-1-3-4-2-4	
2750-2760	3-2-2-2-3-2-2-1-2-1	Conn @ 2752
2760-2770	1-1-1-2-1-2-1-1-2-1	
2770-2780	2-1-2-1-2-1-1-2-1-1	
2780-2790	1-1-1-1-1-1-1-1-1-1	Conn @ 2782
2790-2800	1-2-1-1-1-1-1-1-1-1	
2800-2810	1-1-1-1-1-1-1-1-2-2	
2810-2820	2-2-2-4-3-2-3-2-2-2	
2820-2830	4-3-4-4-4-4-4-3-4-3	
2830-2840	3-4-3-3-4-3-4-3-4-3	
2840-2850	4-2-3-4-5-4-4-4-4-4	Conn @ 2842
2850-2860	4-4-5-4-4-4-5-4-4-3	
2860-2870	3-2-3-3-3-3-3-3-3-3	
2870-2880	3-3-3-3-3-3-3-3-3-3	Conn @ 2871
2880-2890	3-3-4-3-4-3-4-1-1-1	
2890-2900	1-1-1-1-1-1-2-1-2-1	Conn @ 2898
2900-2910	1-2-1-2-1-1-1-2-1-1	
2910-2920	1-1-1-1-1-2-1-2-1-2	
2920-2930	2-2-1-1-1-1-1-1-1-1	
2930-2940	1-1-1-1-1-1-1-1-1-1	
2940-2950	1-1-1-1-1-1-1-1-1-2	
2950-2960	2-2-2-2-2-2-2-2-2-1	Conn @ 2960
2960-2970	1-1-2-1-1-2-1-2-1-1	
2970-2980	1-1-1-1-1-1-1-1-1-1	
2980-2990	1-1-1-1-1-1-1-1-1-1	Conn @ 2989
2990-3000	1-1-1-1-1-1-1-1-1-1	
3000-3010	2-1-1-1-1-2-1-1-1-1	
3010-3020	1-1-1-1-1-1-1-1-1-1	
3020-3030	1-1-1-1-1-1-1-1-1-1	Conn @ 3021
3030-3040	1-1-1-1-1-1-1-1-1-1	
3040-3050	1-1-1-1-1-1-1-1-1-1	Conn @ 3050
3050-3060	1-1-1-2-1-1-1-1-1-1	
3060-3070	1-2-2-2-2-2-1-1-1-2	
3070-3080	2-2-1-1-1-2-2-2-2-2	Conn @ 3080
3080-3090	2-1-1-2-1-1-2-1-2-1	
3090-3100	2-2-1-2-1-2-2-1-2-2	
3100-3110	1-2-2-2-2-1-2-2-3-3	Conn @ 3109
3110-3120	5-3-3-2-2-2-3-2-3-3	
3120-3130	4-5-3-2-2-2-2-2-2-2	
3130-3140	3-3-2-3-2-2-1-2-1-2	
3140-3150	2-2-1-2-2-2-2-2-4-3	Conn @ 3141
3150-3160	4-5-2-4-5-3-1-3-5-3	
3160-3170	3-3-3-4-4-3-2-3-2-3	
3170-3180	3-3-2-2-3-3-3-3-2-2	
3180-3190	3-2-2-3-3-3-4-4-3-3	
3190-3200	1-3-4-4-3-4-4-4-4-3	
3200-3210	2-4-2-2-1-1-1-2-2-2	Conn @ 3201

FROM-TO	MINUTES	REMARKS
3210-3220	2-2-2-3-3-3-4-3-3-3	
3220-3230	4-4-4-4-3-3-3-2-2-2	Conn @ 3228
3230-3240	2-2-3-4-4-4-3-5-4-5	
3240-3250	3-3-3-4-3-3-2-5-4-3	
3250-3260	3-3-5-5-4-4-3-3-3-2	Conn @ 3257
3260-3270	3-3-3-3-4-6-3-3-5-4	
3270-3280	4-4-4-3-3-4-4-3-3-5	
3280-3290	4-4-4-3-4-4-4-4-3-3	Conn @ 3288
3290-3300	3-4-3-3-4-4-4-4-4-3	
3300-3310	4-5-5-4-7-7-1-2-1-1	
3310-3320	1-1-2-1-3-5-4-4-2-3	Conn @ 3318
3320-3330	3-2-2-2-2-2-2-2-2-2	
3330-3340	2-1-2-1-2-2-3-2-2-3	
3340-3350	3-4-5-5-4-2-3-3-3-3	Conn @ 3347
3350-3360	4-3-2-3-2-1-2-2-3-3	
3360-3370	5-6-5-3-5-7-6-4-3-4	
3370-3380	4-3-4-5-5-5-4-4-4-5	Conn @ 3379
3380-3390	5-4-3-3-4-4-4-4-5-6	
3390-3400	6-4-3-4-5-4-4-4-5-5	
3400-3410	4-5-5-5-6-2-2-4-3-4	
3410-3420	3-2-3-4-2-1-2-2-2-2	Conn @ 3415
3420-3430	3-2-2-3-2-2-3-2-3-3	
3430-3440	3-2-3-3-2-3-2-3-3-3	
3440-3450	2-3-3-3-3-5-5-5-4-3	
3450-3460	5-4-5-4-5-3-2-3-3-3	
3460-3470	2-2-2-2-3-5-6-4-2-2	
3470-3480	2-1-2-2-2-3-4-4-4-5	Conn @ 3477
3480-3490	4-5-5-3-4-4-4-4-5-6	
3490-3500	5-6-5-6-5-6-5-6-6-4	
3500-3510	5-5-4-4-4-3-3-3-2-3	Conn @ 3509
3510-3520	3-3-3-3-3-3-6-1-5-4	
3520-3530	4-5-4-4-5-4-4-2-2-2	
3530-3540	3-3-5-5-3-3-3-4-4-4	Conn @ 3540
3540-3550	6-5-3-3-3-3-4-4-3-4	
3550-3560	4-4-5-4-4-4-4-4-4-4	
3560-3570	5-4-6-5-5-4-5-3-3-3	
3570-3580	4-3-3-3-4-3-2-1-2-2	Conn @ 3571
3580-3590	3-3-3-3-4-3-3-4-3-5	
3590-3600	4-4-4-4-4-5-3-5-5-5	
3600-3610	5-5-4-2-1-2-3-3-3-3	Conn @ 3602
3610-3620	4-3-2-3-5-4-3-4-4-3	
3620-3630	4-4-4-4-8-5-4-5-4-4	
3630-3640	4-3-3-4-4-2-4-4-4-3	Conn @ 3632
3640-3650	5-4-4-3-3-4-5-4-3-4	
3650-3660	4-3-2-2-2-3-2-2-1-2	
3660-3670	3-4-3-4-4-4-4-5-4-4	Conn @ 3663
3670-3680	5-5-4-4-3-3-3-3-3-3	
3680-3690	5-4-1½-3½-3-3-2½-2½-3½	
3690-3700	4½-6-4½-4-3-2-4-4-4-3	Conn @ 3695
3700-3710	3-3-4-3½-4½-3½-3-3-3-4	
3710-3720	4-3-4-9-7-9-5-5-4-4	
3720-3730	4-4-6-6-5-5-5-3-4-6	
3730-3740	6-4-4-4-4-4-4-4-3-3	
3740-3750	4-4-4-5-3-5-5-6-5-4	
3750-3760	3-3-4-4-4-4-3-3-3-3	Conn @ 3759
3760-3770	3-3-2-2-3-2-4-3-4-3	

Casing Record

8 5/8 298' cemented
w/ 185 sacks

T. D. 3770'

Location:

SE SE SW
Sec. 19-31-1W
Sumner County, Kansas
Farm: Cowell No. 1
Well Owner: White & Ellis Drilling, Inc.
Contractor: White & Ellis Drilling, Inc.
Started: 10/17/57
Completed: 10/28/57

Kelly Bushing Measurements 5' above ground level

FORMATION

DEPTH - Figures indicate bottom of formation

Soil	0-5
Shale	70
Shale & some salt	240
Lime	310
Sdy. shale	360
Lime	570
Lime & shale strks.	875
Shale & lime strks	1185
Lime	1205
Shale & lime strks	1260
Lime	1375
Shale & lime strks	1820
Lime	2050
Lime & shale strks.	2145
Lime	2190
Lime & shale strks	2290
Shale & lime	2450
Lime & shale	2625
Shale & lime strks.	2757

Top of Stalnaker

Sand	2810
Shale & shell	2887
Shale	3025
Shale & lime strks	3061

Top of Lansing

Lime	3303
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Top of Kansas City

Shale & lime	3306
Lime & shale	3405
Shale & lime strks	3476
Lime & shale	3610
Shale & lime strks	3691
Shale	3709

Top of Mississippi

Lime	3770
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Dry hole plug and abandon