ABERCROMBIE DRILLING, INC.
801 UNION CENTER AMHERST 2-3443
WICHITA, KANSAS 67202

March 26, 1968

Abercrombie Drilling, Inc.
801 Union Center
Wichita, Kansas

RE: Geological Report
Peel - Pratt #1
SE SE SW, Sec. 13-6S-23W
Graham County, Kansas

Gentlemen:

Ten-foot samples were saved on the subject test from 3400 to 3560 and five-foot samples were saved from 3560 to a rotary total depth of 3830 feet. One-foot drilling time was kept from 3100 feet to 3830 feet (R.T.D.).

Wet samples were examined from 3580 feet to total depth for shows of free oil, odor, lithology, porosity, and staining. Drilling was witnessed by the undersigned from 3550 to total depth.

Three drill stem tests were run on the subject well. An electric log was not run upon completion of the well.

Due to the negative results of drill stem testing, the unfavorable structural position relative to Glickman's #1 Pratt and sample analysis, it was recommended that the #1 Peel-Pratt be plugged and abandoned.

Yours very truly,

Jack K. Wharton

Jack K. Wharton
Geologist

JKW:sb

WELL NAME: Peel-Pratt #1

LOCATION: SE SE SW
Sec. 13-6S-23W
Graham County, Kansas

ELEVATION: 2381 K. B.
2379 D. F. (L&S)
2373 G. L.

DATE: March 26, 1968

GEOLOGIST: Jack K. Wharton

SPUD DATE: March 16, 1968

COMPLETED: March 23, 1968

CASING RECORD: 7-5/8" @237'
w/125 sx. cement

DRILL STEM TESTS: #1 3535-3571 (Straddle)
#2 3680-3705
#3 3774-3782 (Packer failed)

LOGS: None

FORMATION	SAMPLE TOP	SUB-SEA
Anhydrite	2041 - 2073	(+ 340)
Topeka	3387	(-1006)
Heebner	3588	(-1207)
Toronto	3611	(-1220)
Lansing	3626	(-1245)
B/ K. C.	3821	(-1440)
Total Depth	3830	(-1449)

Structural Comparison to Nearby Wells

	Abercrombie & Stewart Peel-Pratt #1 Sec. 13-6-23 SE SE SW	Glickman Pratt #1 Sec. 24-6S-23W NW NE		Imperial #1 Pratt "A" Sec. 23-6S-23W NE NE NE
Formation	Sample Top	Csg. Log	Sample	Electric Log
Anhydrite	(+ 340)	(+ 358)	(+ 373)	(+ 330)
Heebner	(-1207)	(-1203)	(-1199)	(-1211)
Lansing	(-1245)	(-1243)	(-1240)	(-1250)
B/ K. C.	(-1440)		(-1433)	(-1245)

SAMPLE DESCRIPTION

Topeka 3387 (-1006)

3545 to 3549 — Limestone, grey-white, fine crystalline, fossiliferous with fair vugular porosity. Good dark brown, spotty to uniform stain.

3564 to 3567 — Limestone, light grey, fine crystalline, with scattered dark spotty stain. Some very scattered poor vugular porosity.

Drill Stem Test #1 (Straddle Packer) 3535 to 3571 interval. Open 1 hr., shut in 30 min. Recovered 360' of muddy water with a scum of oil and 1040' of salt water. I.B.H.P. - 1284#, F.P.'s 140# - 710#, F.B.H.P. - 1211#.

Heebner 3588 (-1207)

Toronto 3611 (-1220)

3611 to 3621 — Limestone, white to grey-white, fine crystalline. Scattered vugular porosity with a show of heavy oil. Dark brown spotty stain. No odor.

Lansing 3626 (-1245)

3628 to 3631 — Limestone, buff-white to white, fine crystalline, oolitic with some light spotty stain, slight trace of free oil. No odor.

3676 to 3678 — Limestone, buff-white, fine to medium crystalline. Slightly fossiliferous with scattered traces of very light stain. Semi-oolitic and pyritic.

3688 to 3690 — Limestone, buff-white, fine crystalline, fossiliferous, cherty with scattered spotty stain. No free oil or odor.

3699 to 3703 — Limestone, buff-white, medium crystalline, fair scattered vugular porosity with traces of free oil. Light, spotty stain and fair odor.

Drill Stem Test #2 - 3680 to 3705 interval. Open 1 hr., shut in 30 minutes. Recovered 1500' of salt water. I.B.H.P. - 1285#, F.P.'s 148# - 746#, F.B.H.P. - 1270#.

3745 to 3747 — Limestone, grey-white, fine crystalline, dolomitic, shaley, with a trace of very scattered poor spotty stain.

3772 to 3780 — Limestone, grey-buff, fine crystalline to sub-chalky, with a trace of poor vugular porosity, slightly fossiliferous, slight stain.

Drill Stem Test #3 - 3774 to 3782 interval. Open 13 min., shut in 30 min. Open 8 min. on pre-flo. Few bubbles then died in 7 min. Shut in for I.B.H.P. Open tool, no blow, flushed tool in 5 min. Washed out packer seats and packer failed. No F.B.H.P.

3797 to 3801 — Limestone, grey, fine crystalline, very pyritic, with a trace of free oil and very scattered spotty, dark stain. Fair vugular porosity, slight odor.

3814 to 3818 — Limestone, grey-buff, fine crystalline to sub-chalky. Isolated vugs with dark, spotty stain. Small trace of free oil. No odor.

Base of Kansas City 3821 (-1440)

Rotary Total Depth 3830 (-1449)

CONTRACTOR'S DRILLING TIME

DEPTH FROM	TO	DRILLING TIME	REMARKS
3100 to	3110	2-2-2-3-2-3-3-1-2-2	
	3120	2-2-2-1-2-2-2-2-1-1	
	3130	2-2-2-2-2-2-2-2-2-3	
	3140	2-3-2-3-2-2-1-1-2-2	
	3150	1-3-3-2-2-3-2-2-2-2	
	3160	2-2-2-2-2-2-2-2-3-3	
	3170	3-3-4-3-3-2-2-1-2-2	
	3180	2-3-2-3-3-3-2-1-2-3	
	3190	2-3-4-4-2-2-1-1-3-2	
	3200	2-2-2-3-2-2-3-X-2-2	
3200 to	3210	2-2-1-2-1-1-1-1-1-1	
	3220	2-1-2-1-4-3-2-3-2-3	
	3230	2-2-1-1-1-1-3-2-4-2	
	3240	2-3-2-2-2-2-2-2-2-2	
	3250	2-3-3-2-2-3-3-2-2-1	
	3260	2-3-4-4-3-3-3-3-2-3	
	3270	2-2-1-2-1-2-3-2-3-3	
	3280	3-2-3-1-3-2-2-2-3-2	
	3290	3-3-3-2-2-3-2-1-1-1	
	3300	1-1-1-3-1-1-2-1-2-1	
3300 to	3310	2-1-2-1-1-1-1-1-1-1	
	3320	2-1-2-1-1-1-2-1-2-1	
	3330	1-1-2-1-1-2-2-2-2-3	
	3340	2-2-3-3-2-2-3-3-2-2	
	3350	2-2-2-3-2-3-3-3-3-3	
	3360	1-2-1-1-2-1-2-1-2-1	
	3370	1-2-2-2-1-1-1-1-1-2	
	3380	1-1-1-1-2-2-1-2-3-1	
	3390	2-2-2-1-1-2-1-2-1-2	
	3400	2-1-2-2-2-2-2-2-2-1	
3400 to	3410	1-2-3-3-3-4-2-2-2-2	
	3420	2-2-2-2-3-3-5-4-6-6	
	3430	5-3-3-3-3-3-3-3-3-1	
	3440	2-1-3-1-1-1-3-2-4-5	
	3450	3-2-2-1-2-3-3-4-2-3	
	3460	4-3-4-3-4-3-3-5-3-4	
	3470	8-6-5-3-3-4-3-3-4-3	Trip for Bit @3463
	3480	4-2-2-2-2-1-1-3-1-1	
	3490	2-1-1-1-2-1-1-1-1-1	
	3500	1-1-1-1-1-2-3-3-2-2	

DEPTH FROM	TO	DRILLING TIME	REMARKS
3500 to	3510	2-3-3-1-2-2-1-2-2-2	
	3520	3-4-4-3-3-2-3-3-3-4	
	3530	4-4-4-3-5-3-4-4-4-2	
	3540	3-3-3-4-4-2-3-3-2-3	
	3550	3-4-4-3-5-4-5-3-3-3	
	3560	3-4-4-4-3-3-4-4-6-4	
	3570	6-5-5-5-5-4-4-5-4-6	
	3580	5-4-4-4-5-3-3-3-3-3	
	3590	2-5-7-3-4-3-3-5-4-4	
	3600	4-3-4-3-4-5-4-3-3-4	
3600 to	3610	4-6-5-6-9-10-11-11-13-10	Circ. for samples @3610
	3620	14-8-5-6-6-5-8-12-11-8	
	3630	8-12-11-14-10-X-X-X-X-X	Circ. for samples @3635
	3640	X-X-X-X-X4-5-5-6-5	& DST #1
	3650	5-5-7-5-5-5-4-6-5-5	(Note: 10' down hole corr.
	3660	3-3-4-4-3-4-4-5-4-4	3625 - 3635)
	3670	4-4-3-4-6-7-10-6-6-4	Circ. for samples @3665
	3680	8-6-5-6-7-8-6-7-10-9	Circ. for samples @3680
	3690	9-9-9-10-8-6-8-11-9-11	
	3700	9-9-6-7-4-5-5-5-6-4	Circ. for samples @3694
3700 to	3710	6-6-6-8-9-5-5-7-7-4	Circ. for samples @DST #2
	3720	6-8-9-9-4-7-9-7-7-7	
	3730	7-8-6-8-8-6-8-7-6-7	
	3740	6-8-8-4-7-8-7-5-6-4	
	3750	5-5-5-5-4-5-5-3-6-4	Circ. for samples @3745
	3760	5-3-7-7-8-5-10-7-8-6	Circ. for samples @3757
	3770	5-8-8-6-4-4-5-4-5-7	
	3780	6-7-6-6-4-4-4-4-4-3	
	3790	4-7-5-5-7-8-7-6-8-7	Circ. for samples @ DST #3
	3800	X-10-7-5-6-6-5-7-5-4	Circ. for samples @3790
3800 to	3810	4-7-6-5-8-6-6-6-5-6	Circ. for samples @3805
	3820	6-7-5-9-6-6-6-7-7-6	
	3830	8-6-3-5-4-4-3-2-2-1	Circ. for samples @3830