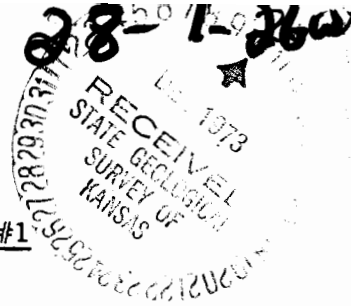


ABERCROMBIE DRILLING, INC.

API#15-039-20,278

GEOLOGICAL REPORT

KELLY #1



Location: C NE NE
Sec. 28-1S-26W
Decatur County, Kansas

Geologist: Jack K. Wharton

Contractor: Abercrombie Drlg., Inc.

Elevation: 2527 K.B.
2525 D.F.
2519 G.L.

Spud Date: November 5, 1973

Drlg. Completed: November 5, 1973

Drill Stem Tests:
#1 3332-3359
#2 3328-3365

Electric Log:
Gamma Ray, Guard, Neutron & Caliper

Casing Record:
7-5/8" at 228' w/100 sx.

<u>Formation</u>	<u>Sample</u>	<u>E. Log</u>	<u>Sub-sea</u>
Anhydrite	1983	1982	+ 545
B/Anhydrite	2012	2010	+ 517
Heebner	3280	3275	- 748
Toronto	3313	3309	- 782
Lansing	3320	3316	- 789
Base of Kansas City	3523	3523	- 996
Granite Wash	3637	3628	-1101
Total Depth	3654	3654	-1127

SAMPLE DESCRIPTIONS

Toronto 3309 (- 782)

3309 to 3312

Limestone, grey-white, fine crystalline, sub-oolitic with some scattered spotty stain.

Lansing 3316 (- 789)

3316 to 3324

Limestone, cream to buff, fine crystalline fossiliferous, sub-oolitic scattered vugular porosity. No show.

3350 to 3351

Limestone, grey-white chalky and shaley. This is a remanent of the 30 foot zone that produces in the Mapes #3 diagonally northeast of the Kelly #1.

3356 to 3359

Limestone, cream-white, fine crystalline, dolomitic with scattered spots of free oil and spotty stain.

State Geological Survey
WICHITA, BRANCH

Abercrombie Only.

28-1-26W
Geological Report
Kelly #1
Page -2-

Drill Stem Test #1 (3332 to 3359) Open 30 min., shut in 30 min., open 30 min., shut in 30 min. Recovered 3 feet of drilling mud. FP 20#-20#, IBHP 20#, FBHP 20#.

3359 to 3365

Limestone buff, fine crystalline with scattered uniform stain, scattered traces of free oil. Abundant dove grey chert.

Drill Stem Test #2 (Straddle Test) (3328 to 3365) Open 30 min., shut in 45 min., open 30 min., shut in 30 min. Recovered 40 feet of watery mud. IFP 54-64#, IBHP 982#, FFP 71-71#, FBHP 928#.

3394 to 3402

Limestone grey-white, fine crystalline to sub-chalky, fossiliferous and oolitic with very scattered vugs. Scattered traces of light spotty stain.

3483 to 3488

Limestone, buff, micro-crystalline dense, oolitic in part with some buff medium crystalline dolomite. Chalky in part. No show.

Base of Kansas City 3523 (- 996)

Granite Wash 3628 (-1101)

Structural Position to Nearby Tests

Abercrombie

#1 Kelly
C NE NE
Sec. 28-1S-26W

Abercrombie

#3 Mapes
C SW SW
Sec. 22-1S-26W

Abercrombie

#2 Mapes
C N/2-N/2-SW/4
Sec. 22-1S-26W

Formation

Anhydrite	+ 545	+ 539	+ 535
Lansing	- 789	- 795	- 793
Granite Wash	-1101	---	-1105

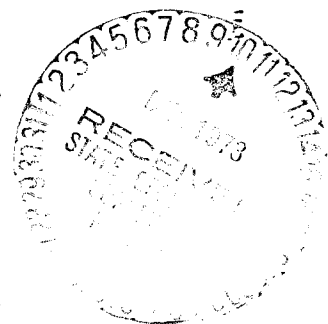
Remarks and Recommendations

Due to the lack of permeability, loss of the thirty foot zone and negative drill stem tests, it was recommended that the #1 Kelly be plugged and abandoned.

Respectfully submitted,

Jack K. Wharton

Jack K. Wharton



28-1-2640

Drilling Time
Kelly #1

DEPTH		DRILLING TIME	REMARKS
FROM	TO		
3000 to	3010	2-1-1-1-2-1-2-1-2-2	
	3020	1-2-1-1-2-2-2-2-3-1	
	3030	2-1-1-2-2-2-2-2-2-2	
	3040	2-2-2-1-2-2-1-1-1-2	
	3050	2-1-2-3-3-2-3-2-1-2	
	3060	2-1-2-2-2-1-1-1-1-2	
	3070	1-1-1-2-2-1-1-1-1-2	
	3080	2-1-1-1-1-1-2-2-1-2	
	3090	2-2-2-2-1-2-2-2-2-3	
	3100	1-2-2-2-2-2-1-2-2-1	
3100 to	3110	1-1-1-1-1-1-1-2-2-1	
	3120	2-2- $\frac{1}{2}$ -3- $\frac{1}{2}$ -1-2-2-2-2-2-2	
	3130	2-2-2-2-2-1-2-1-2-2	
	3140	2-2- $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$ - $\frac{1}{2}$	
	3150	$\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1-1-2-3-2-1	
	3160	1-2-2-2-1-2-2-2-1-1	
	3170	1-2-1-1-1-1-1-1-2-2	
	3180	3-2-2-2-3-2-3-2-2-2	
	3190	2-2-2-3-3-2-2-3-3-2	
	3200	3-1-2-2-2-3-3-3-3-2	
3200 to	3210	2-1-2-2-2-1-1-1-2-2	
	3220	2-3-2-2-2-2-3-2-2-2	
	3230	2-2-1-2-2-3-2-1-2-1	
	3240	2-2-2-2-1-2-2-3-2-2	
	3250	2-2-2-2-3-4-2-2-2-2	
	3260	2-2-2-2-2-2-2-2-3-2	
	3270	3-2-3-2-3-2-3-2-1-2	
	3280	2-2-2-4-3-2-3-3-2-2	
	3290	3-2-2-2-1-2-2-2-1-2	
	3300	1-2-2-2-1-3-2-1-2-3	
3300 to	3310	2-3-2-1-2-1-1-2-3-2	
	3320	2-2-3-2-1-2- $\frac{1}{2}$ - $\frac{1}{2}$ -2-2	Circ. @3320'
	3330	2-2-2-2-3-2-1-2-3-3	Circ. @3330'
	3340	2-3-3-2-2-2-2-3-3-3	
	3350	3-2-3-2-2-2-1-2-3-3	Circ. @3350'
	3360	2-2-2-2-2-2-3-3-1-2	Circ. @3350' & @3359'
	3370	2-2-2-2-2-3-3-3-2-2	Circ. @3365'
	3380	3-3-3-3-3-3-3-2-1-2	
	3390	2-2-2-2-2-1-2-2-1-2	
	3400	3-2-2-1-2-2-2-2-2-2	Circ. @3400'
3400 to	3410	2-3-4-1-3-3-3-3-3-3	
	3420	1-2-2-2-3-2-2-2-2-2	
	3430	2-1-3-3-2-2-2-2-2-2	
	3440	2-2-2-3-2-2-3-2-3-2	
	3450	2-3-3-4-3-3-3-2-3-2	
	3460	3-2-2-2-2-2-3-2-3-2	

Circ. @3320'

Circ. @3330'

Circ. @3350'

Circ. @3350' & @3359'

Circ. @3365'

Circ. @3400'

Circ. @3435'



28-1-26W

DEPTH		DRILLING TIME	REMARKS
FROM	TO		
	3470	2-3-2-1-2-3-3-3-3-3	
	3480	3-2-2-2-3-2-3-2-2-2	Circ. @3475'
	3490	3-1-2-2-2-2-2-3-2-2	
	3500	2-3-1-2-2-2-2-2-1-3	Circ. @3495' & @3500'
3500 to	3510	3-3-4-2-3-2-3-3-2-2	
	3520	4-3-3-3-3-3-3-3-3-3	
	3530	3-3-5-2-1-2-2-2- $\frac{1}{2}$ - $\frac{1}{2}$	
	3540	1-3-3-2-2-3-3-3-4-2	
	3550	1-2-2-1-1-2-1-2-1-2	
	3560	2-2-3-3-3-2-2-2-2-3	
	3570	1-2-2-2-3-3-4-3-4-2	
	3580	3-3-2-2-3-2-2-2-4-4	
	3590	2-2-2-3-2-2-2-2-3-4	
	3600	3-3-2-2-3-2-3-2-3-4	
3600 to	3610	2-3-3-2-2-1-2-2-2-1	
	3620	2-2-4-1-2-2-2-2-1-2	Circ. @3620'
	3630	2-2-1-2-2-2-4-2-3-2	
	3640	2-2-2-2-2-2-3-2-2-3	Circ. @3636'
	3650	3-3-2-3-2-5-5-3-5-6	
	3660	6-3-4-6	Circ. @3654'

