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GEOLOGICAL REPORT

Beacon Resources Corp.,  
Lee Banks  
W. R. Atkinson

No. 1-12 Hitch-Lee  
150' E NE of SE SW Sec. 12-33S-34W  
Seward County, Kansas

by

William R. Atkinson  
Geologist

GEOLOGICAL REPORT

Beacon Resources Corporation, Lee Banks & W. R. Atkinson  
Hitch-Lee No. 1-12  
150' ENE of SE/4 SW/4 Sec. 12-33S-34W  
Seward County, Kansas

Commencement Date: 12-8-71  
Completion Date: 12-15-71  
Elevation: 2880 K.B.  
2870 G.L.  
Total Depth: 4275' Driller  
4274' Logger, Great Guns  
Contractor: Rine Drilling Company, Rig #8  
Electrical Surveys: Great Guns, Inc.: Gamma-Gaurd and  
Neutron with Caliper  
Casing: Surface: 8 5/8" @ 1608; Driller  
and Logger.  
Special Equipment: None

FORMATION TOPS AND STRUCTURAL COMPARISONS

	Beacon Res. Corp., Lee Banks and W. R. Atkinson; #1-12 Hitch-Lee 150' ENE of SE/4 SW/4 Sec. 12-33S-34W	To: our #1-12 Rustman SW/4 NE/4 SE/4 Sec. 12-33S-34W	To: Koch #1-A Rustman NE/4 SW/4 SE/4 Sec. 12-33S-34W
Winfield	2668 (+212)	11' Low	8' Low
Topeka Zone	4145 (-1265)	28' Low	25' Low
Heebner Shale	4202 (-1322)	29' Low	26' Low
Toronto	4222 (-1342)	27' Low	25' Low
Total Depth	4247 (-1394)		

	To: our	To: our
	#1-13 Reimer	#1-12 March
	C/W/2 NE/4 NE/4	150' S SW of NW/4
	<u>Sec. 13-33S-34W</u>	<u>NW/4 Sec. 12-33S-34W</u>
Winfield	11' High	3' Low
Topeka Zone	8' High	14' Low
Heebner Shale	10' Low	14' Low
Toronto	9' Low	11' Low

### Sample Description

Toronto 4222(-1342)  
4222-4238

Gray, fine crystalline, slightly vuggy limestone with poor and small amount of intercrystalline porosity. Some fair vuggy porosity with apparent poor intercrystalline permeability. In wet samples, the oil drops were apparent. In dried samples, the oil coloring appeared spread more thoroughly through each individual fracture of limestone than did it in the wet samples. Due to my lack of a fluorescent light box, no evaluation of the samples from this standpoint was made. No oil and gas odor was notable from fresh, wet samples.

Due mainly to the relative structural position, Drill Stem #1 was run at this depth.

DST #1 (4226 to 4240  
reported drilling depths)  
4224 to 4238 Great Guns  
E- Log depths

Tool open 30 minutes: Fair blow throughout,  
no gas surface

Shut in 30 minutes. Tool reopened 60  
minutes: Fair blow throught, no gas to surface.

Recovered 90 feet of very slightly gas and  
oil cut, somewhat wattery mud. No free gas  
apparent.

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Page 3

The top 30 feet of the sample seemed to contain more oil and thicker mud than did the bottom 60 feet.

Shut in 45 minutes

Evaluation of the fluid content gave the following: DST sample 30,000 p.p.m. Cl  
Previous drilling mud sample 21,800 p.p.m. Cl.  
IFP 46-57  
ISIP 229#/30"  
FFP 57-80  
FSIP 596#/45"

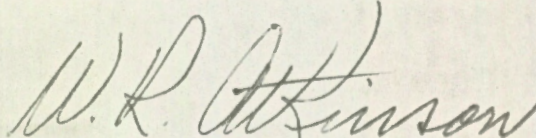
Drilling of the rest of the Toronto interval was completed following the DST.

Only dried samples caught from the interval below the DST interval were examined.

Only minor amounts of poorly developed porosity with questionable permeability which showed minor amounts of oil staining were observed from the samples caught at 4260'. (The assigned sample catcher failed to collect any samples before reaching a depth of 4260'.)

A major increase of dark brown, redish and bright red shale and gray to black shale was present below 4260' to T.D., 4275'.

Following completion of the Great Guns, Inc. R. A. Guard Log, the decision to plug and abandon the hole was made.



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