

**F. W. MORGAN**  
GEOLOGIST

WICHITA OFFICE 685 - 6361

1721 PARKWOOD LANE WICHITA, KANSAS 67218

COYVILLE OFFICE 692 - 5473

April 28, 1978

Hawkins Oil & Gas  
709 Philtower Bldg.  
Tulsa, Oklahoma, 74103

Re: Your No. 1 Anderson "A"  
Sec. 9-27S-4E  
Butler County, Kansas

Gentlemen:

Enclosed is my geological log on this well. On this log are formation tops, plotted drilling time, porous zones, and shows of oil and gas. On the Kansas City Lime this well ran 18 feet lower than your Scully well to the north. However, a great deal of thinning in and below the Kansas City caused the Arbuckle to run 18 feet higher. It is the highest well yet drilled in the pool.

In the Kansas City the zone from 1976 to 1980 and the zone beginning at 1998 appear to be prospective of oil production. In the Arbuckle the shows of oil from the top down to about 2408 appear to be prospective. The casing log will be the guide, of course, as to the exact depths to perforate.

Casing was run and cemented at 2474 to test the zones described above.

Sincerely,

  
F. W. Morgan

ROGER N. PLANALP AND ASSOCIATES

601 Philtower Bldg.

Tulsa, OK 74103

918-585-8600

April 21, 1978

Mr. Frank Morgan  
1721 Parkwood Lane  
Wichita, Kansas 67218

Dear Frank:

Enclosed is the drilling instructions on the #1-A Anderson.

Please feel free to change the instructions on the upper part of the hole at Jimmy Razook's request and cost.

It is my opinion this well will run high with thinning again occurring in the Pawnee to Ondovician section.

I request that you pay especial attention to the Kansas City upper section. That Scully #1-B Kansas City test still has me confused.

Call anytime.

Regards,



Roger N. Planalp

RNP:tjv

cc: J.H.

DRILLING INSTRUCTIONS

Name of Well HOG #1-A Anderson County Butler State Kansas  
Section 9 Township 27S Range 4E  
Location E $\frac{1}{2}$  W $\frac{1}{2}$  NE SE Estimated TD 2460'  
Geologist Mr. Frank Morgan Phone No. (316) 685-6361  
Call Points: 1850' and 2300' Stop Points 2460' (T.D.)

SAMPLES:

Start catching 10' samples at 1900' and continue to total depth unless otherwise instructed by geologist.

SAMPLES SHOULD BE TIED IN BUNDLES OF 10 AND STORED IN A DRY PLACE

MUD:

Commence mud program to insure good samples by 1900'

STRAP PIPE:

Strap pipe first trip below 1800' or prior to testing or logging unless otherwise instructed.

NOTIFICATION:

If necessary to contact company representative, contact one of the following:

Roger N. Planalp	Office (918)	585-8600	Home: (918)	582-8786
Jim Hawkins	Office	(918) 585-5213 or 585-1302	Home: (918)	747-0897
John Hawkins	Office	(918) 585-5213 or 585-1302	Home: (918)	747-3227

GEOLOGICAL PROJECTED TOPS

Formation	Top	Subsea	Core	D.S.T.	Logs - Kind
Lansing	1665	(-425)	--	--	GR/Neutron
Kansas City	1975	(-735)	--	--	After completion
Arbuckle	2380	(-1140)	--	--	

*Beard*  
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