

NATIONAL ASSOCIATED PETROLEUM CO.

Office Memorandum

From Joe McGarrah

Date May 18, 1965

To Forrest H. Lindsay

Subject #1 Hemken

Sect. 23-19S-16W
Rush County, Kansas

TYPE WELL: Semi Wildcat

ELEVATIONS: Ground 1971'; D. F. 1973'; K. B. 1975'

DEPTHS: 3750' driller; 3749' Welex

DATES: M. I. R. T. April 25, 1965. Under surface April 30. Dry and abandoned May 12, 1965.

CASING: 1045' of new 8 5/8" 20#, set at 1045'.

SPECIAL TESTS: Superior Testers, Welex E. Log

FORMATION TOPS:	SAMPLES	E. LOG
Heebner	3290	3288
Toronto	3305	3303
Douglas	3319	3317
Brown Lime	3360	3357
Lansing	3374	3371
Arbuckle	3678	3677
T. D.	3750	3749

DESCRIPTION OF SPECIAL TESTS:

#1 DST: 3680-3686: Open 1/2 hour, shut in 20 minutes. Weak blow, died in 4 mins. IBHP 49#, FBHP 41#, IFP 8#, FFP 14#, rec. 5' mud.

#2 DST: 3685-3715: Open one hour. Shut in 20 minutes, good blow for one hour. Rec. 90' mud, and 1800' gas in drill pipe. IBHP 136#, FBHP 88#, IFP 64#, FFP 64#.

Arbuckle samples: 3678-3715: Brown to brownish white. Medium to fine xln dolo. Traces of vugular dolo. Slight show oil and gas 3678-3715'.

3715-3750: White, clean, medium to coarse xln dolo. Traces of chalk and chert, no show oil or gas.

Respectfully submitted,

Joe E. McGarrah
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JEM:dc