

COMPANY Wayne L. Kirkman, Inc.

SEC. 28 T. 24S R. 13W

FARM Curtis

NO. 1

LOC. C- SE NE NE

TOTAL DEPTH 3,240'

COMM. November 25, 1977

COMP. December 1, 1977

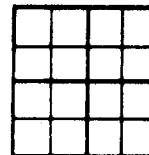
COUNTY Stafford

KANSAS

SHOT OR TREATED

CONTRACTOR H-30, Inc.

ISSUED December 14, 1977



CASING

20

10

15

5/8" 464' cemented w/325 sxs cement ELEVATION 1,929 G.L.

12

6

13

5

4-1/2" 2,016' cemented w/125 sxs cement

PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Sand	150'
Red Bed and Shale	478'
Shale	1,750'
Lime and Shale	3,240'
Rotary Total Depth	3,240'

I hereby certify the above and foregoing to be
a true and correct log of the above described
well as shown by the drilling reports.

H-30, INC.

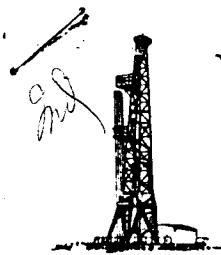

Dean Britting

State of Kansas

County of Sedgwick

ss:

Suscribed and Sworn to before me a Notary Public
in and for said county and state this 14th day
of December, 1977.



W. L. KIRKMAN, INC.
453 SOUTH WEBB ROAD
P.O. BOX 18611
WICHITA, KANSAS 67207
(316) 085-5372

28-24-13W

GEOLOGICAL REPORT
December 12, 1977

JAN 19 1988

COMPANY: W. L. Kirkman, Inc.

WELL: Curtis #1

COUNTY: Stafford

LOCATION: Sec. 28-24S-13W

DESCRIPTION: SE NE NE

CONTRACTOR: H-30, INC., Rig #5

COMMENCED: November 25, 1977

COMPLETED: December 1, 1977

ELEVATION: 1937 K.B.
1929 G.L.

R.T.D. 3240'

L.T.D. 3238'

ELECTRIC LOG: Electra, Inc. - Radiation Accurlog, Dual Neutron.

CASING RECORD: 8-5/8" surface casing set @ 464' w/325 sx.
common cement, 2% Gel, 3% CC.
4-1/2" production casing set @ 2016'.

FORMATION TOPS: (Electric Log)

Herington	1852	(+ 85)
Winfield	1905	(+ 32)
Towanda	1968	(- 31)
Ft. Riley	2005	(- 68)
Bs. Florence	2112	(- 175)
Wreford	2158	(- 221)
Crouse	2223	(- 286)
Cottonwood	2320	(- 383)
Neva	2382	(- 445)
Red Eagle	2458	(- 521)
Indian Cave Shale	2618	(- 681)
Wabaunsee	2640	(- 703)
Langdon	2697	(- 760)
Tarkio	2760	(- 823)
Elmont	2818	(- 881)
Bern	2891	(- 954)
Howard	2970	(-1033)
Severy	3034	(-1097)
Topeka	3062	(-1125)

Samples were examined at 10' intervals from 1800' to total depth. 1' drilling time was recorded from 1750' to total depth. Analytical gas detector was in operation from 1700' to total depth.