

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

15-9-25W
COPY

Drill-Stem Test Data

Well Name WAGGONER #1 Test No. 1 Date 12/13/91
 Company CARMEN SCHMITT INC Zone Tested LKC-"B-C"
 Address P.O. BOX 47 GREAT BEND KS 67530 Elevation 2578 K.B.
 Co. Rep./Geo. STEVE PARKER Cont. DUKE DRLG RIG #4 Est. Ft. of Pay _____
 Location: Sec. 15 Twp. 9S Rge. 25W Co. GRAHAM State KS

Interval Tested 3909-3954
 Anchor Length 45
 Top Packer Depth 3904
 Bottom Packer Depth 3909
 Total Depth 3954

Drill Pipe Size 4.5 XH
 Wt. Pipe I.D. - 2.7 Ft. Run 193
 Drill Collar - 2.25 Ft. Run _____

Mud Wt. 8.7 lb / gal. Viscosity 44 Filtrate 9.2

Tool Open @ 5:54 AM Initial Blow WEAK-1/4" BLOW DECREASING TO VERY WEAK SURFACE
 BLOW

Final Blow NO BLOW

Recovery — Total Feet 15 Flush Tool? NO

Rec. 15 Feet of DRILLING MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 111 °F Gravity _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 1944.2 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 35.2 PSI @ (depth) 3913 w/Clock No. 26199

(C) First Final Flow Pressure 35.2 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-In Pressure 1154.2 PSI @ (depth) 3950 w/Clock No. 8179

(E) Second Initial Flow Pressure 50.6 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 50.6 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 1133.2 PSI Initial Opening 30 Final Flow 15

(H) Final Hydrostatic Mud 1899.1 PSI Initial Shut-In 30 Final Shut-In 30

Our Representative DAN BANGLE TOTAL PRICE \$ 550

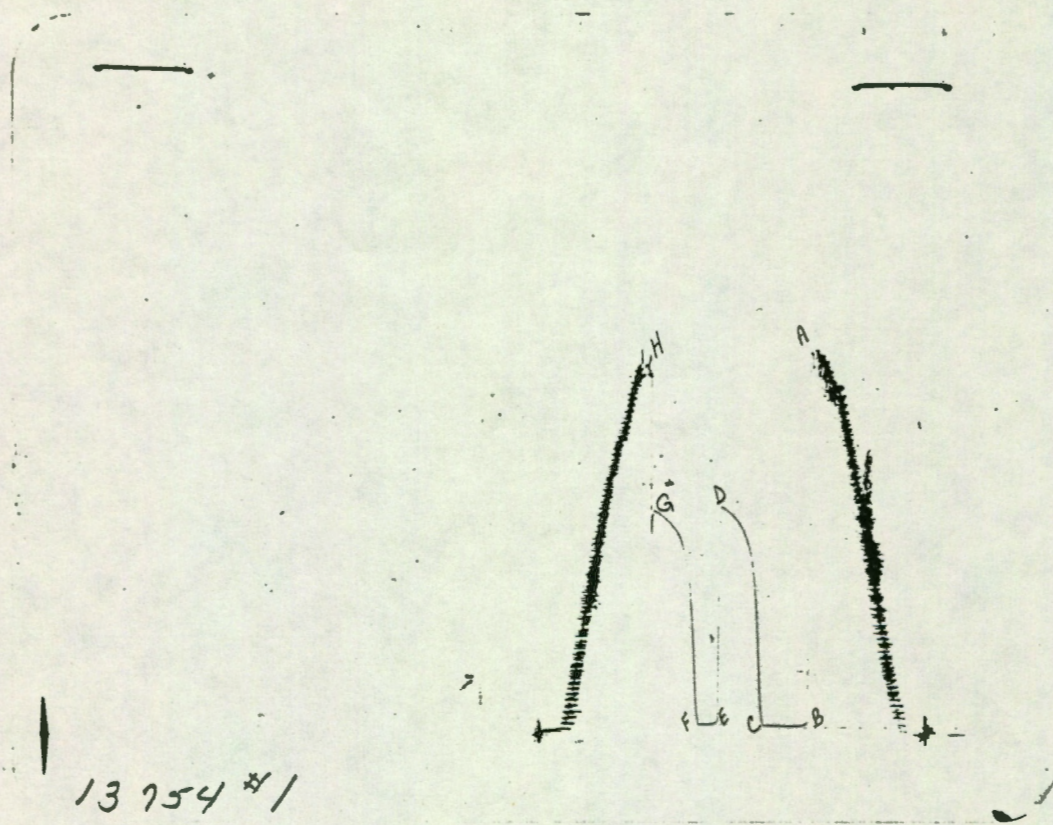
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POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1939	1944.2
(B) FIRST INITIAL FLOW PRESSURE	33	35.2
(C) FIRST FINAL FLOW PRESSURE	33	35.2
(D) INITIAL CLOSED-IN PRESSURE	1150	1154.2
(E) SECOND INITIAL FLOW PRESSURE	44	50.6
(F) SECOND FINAL FLOW PRESSURE	44	50.6
(G) FINAL CLOSED-IN PRESSURE	1128	1133.2
(H) FINAL HYDROSTATIC MUD	1895	1899.1

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DRILLER'S WELL LOG

DATE COMMENCED: December 9, 1991
DATE COMPLETED: December 14, 1991

Carmen Schmitt, Inc.
WAGGONER #1
110'N & 110'W of SE SE NW
Sec. 15, T9S, R25W
Graham County, Ks.

0 - 215' Surface Soil, Sand, Shale
215 - 2200' Sand, Clay, Shale
2200 - 2264' Lime & Shale
2264 - 2297' Anhydrite
2297 - 3909' Lime & Shale
3909 - 3954' Lime
3954 - 4150' Shale & Lime
4150' RTD

ELEVATION: 2578' K.B.

Surface Pipe: Set new
8-5/8", 20# pipe @212'
w/140 sacks 60/40 pozmix
2% gel 3% cc.

A F F I D A V I T

STATE OF KANSAS
COUNTY OF BARTON) ss

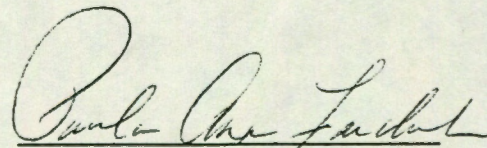
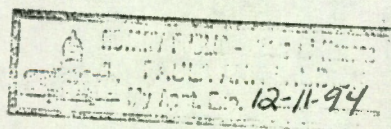
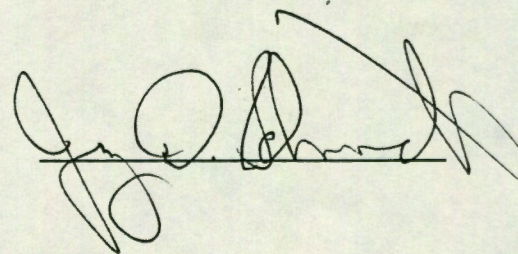
Jay Schneider of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

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Subscribed and sworn to before me this 19th day of December 1991.


Notary Public