

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name RANDLE #1-A Test No. 1 Date 2/10/95
Company HELMERICH & PAYNE Zone CHESTER
Address 1579 EAST 21ST STREET, TULSA, OK 74114-1303 Elevation 2840
Co. Rep./Geo. ART CHILDRES Cont. MURFIN DRILLING #24 Est. Ft. of Pay 11
Location: Sec. 33 Twp. 28S Rge. 33W Co. HASKELL State KS

Interval Tested 5508-5525 Drill Pipe Size 4.5" XH
Anchor Length 17 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 5503 Drill Collar - 2.25 Ft. Run 524
Bottom Packer Depth 5508 Mud Wt. 9.1 lb/Gal.
Total Depth 5525 Viscosity 47 Filtrate 8.8

Tool Open @ 10:00 Initial Blow 1/4 INCH BLOW THROUGHOUT.

Final Blow 1/2 INCH BLOW, DECREASED TO SURFACE BLOW.

Recovery - Total Feet 20 Flush Tool? NO

Rec. 20 Feet of DRILLING MUD.
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 129 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud 2633.42 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure 82.21 PSI @ (depth) 5512 w / Clock No. 3942

(C) First Final Flow Pressure 82.21 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 143.10 PSI @ (depth) 5522 w / Clock No. 25813

(E) Second Initial Flow Pressure 75.43 PSI AK1 Recorder No. _____ Range _____

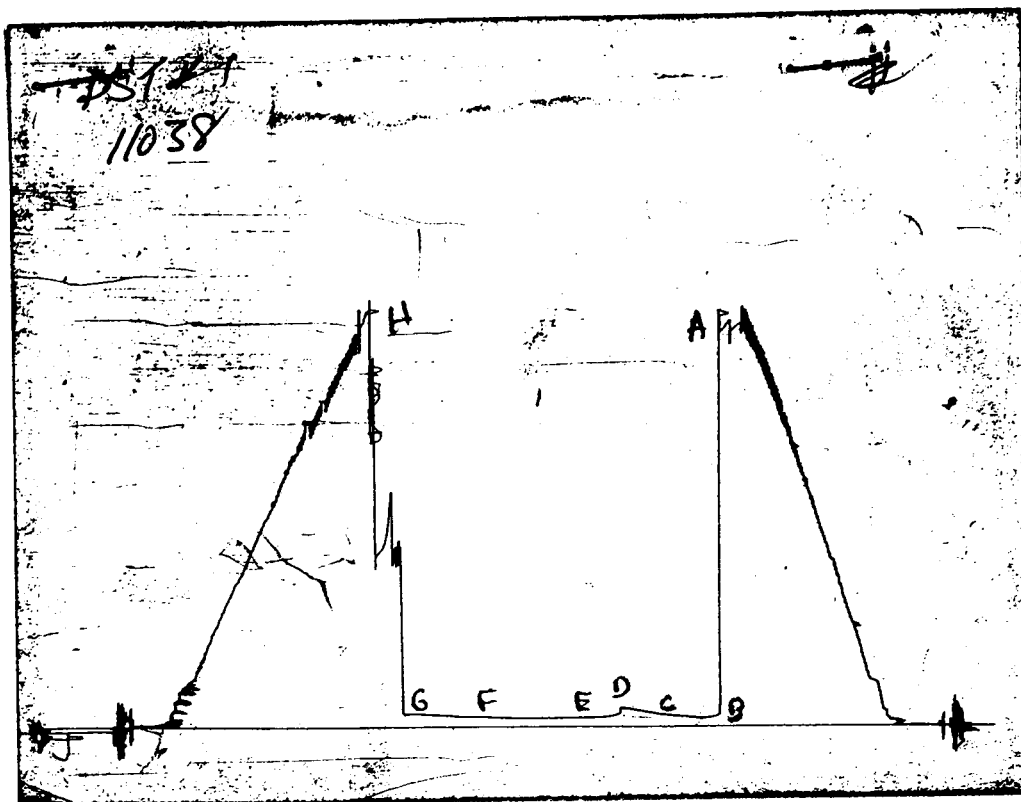
(F) Second Final Flow Pressure 75.43 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 103.90 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 2616.69 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2696	2633.42
(B) FIRST INITIAL FLOW PRESSURE	68	82.21
(C) FIRST FINAL FLOW PRESSURE	68	82.21
(D) INITIAL CLOSED-IN PRESSURE	136	143.10
(E) SECOND INITIAL FLOW PRESSURE	55	75.43
(F) SECOND FINAL FLOW PRESSURE	55	75.43
(G) FINAL CLOSED-IN PRESSURE	95	103.90
(H) FINAL HYDROSTATIC MUD	2657	2616.69

FLUID SAMPLER DATA

Ticket No.: 7390

Date: 2/10/95

Company: HELMERICH & PAYNE

Lease: RANDLE #1-A

Test No.: 1

County: HASKELL

Sec.: 33

Twp.: 28S

Rng.: 33W

SAMPLER RECOVERY

Gas	ML
Oil	ML
Mud 4000	ML
Water	ML
Other	ML
Pressure 80	PSI
TOTAL 4000	ML

SAMPLER ANALYSIS

Resistivity	ohms@	F
Chlorides		ppm.
Gravity		corrected @60F

PIT MUD ANALYSIS

Chlorides	1400	
Resistivit	ohms@	F
Viscosity	47	
Mud Wt.	9.1	
Filtrate	8.8	
Other		

PIPE RECOVERY

TOP

Resistivit	ohms@	F
Chlorides		ppm.

MIDDLE

Resistivit	ohms@	F
Chlorides		ppm.

BOTTOM

Resistivit	ohms@	F
Chlorides		ppm.

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Test Ticket

No 7390

Well Name & No. <u>Randle #1-A</u>	Test No. <u>#1</u>	Date <u>2-10-95</u>
Company <u>Helmerick & Payne</u>	Zone Tested <u>Chester</u>	
Address <u>1579 E. 21st Street, Tulsa OK. 74114-1303</u>	Elevation <u>2840 (661)</u>	
Co. Rep./Geo. <u>Art. Childers</u>	Cont. <u>Murfin Drlg #24</u>	Est. Ft. of Pay <u>11</u>
Location: Sec. <u>33</u>	Twp. <u>28</u>	Rge. <u>33</u>
	Co. <u>Haskell</u>	State <u>Ks.</u>
No. of Copies <u>4</u>	Distribution Sheet <u>Yes</u>	Turnkey <u>Yes</u>
	<u>X</u>	<u>X</u>
	No	No
		Evaluation

Interval Tested 5508-5525 Drill Pipe Size 4.5 x-Hole
 Anchor Length 17' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 5503 Hole Size — 77/8" Rubber Size — 63/4"
 Bottom Packer Depth 5508 Wt. Pipe I.D. — 2.7 Ft. Run —
 Total Depth 5525 Drill Collar — 2.25 Ft. Run 524'
 Mud Wt. 9.1 lb/gal. Viscosity 47 Filtrate 8.8
 Tool Open @ 10:00 pm Initial Blow 1/4 blow through out

Final Blow 1/2 blow - decreased to surface blow

Recovery — Total Feet 20' Feet of Gas in Pipe _____ Flush Tool? No

Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec. <u>20'</u>	Feet Of <u>Drilg mud</u>	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

BHT 129 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud 2696 PSI Ak1 Recorder No. 5495 Range 4200
 (B) First Initial Flow Pressure 68 PSI @ (depth) 5512 w/Clock No. 3942
 (C) First Final Flow Pressure 68 PSI AK1 Recorder No. 11038 Range 5075
 (D) Initial Shut-In Pressure 136 PSI @ (depth) 5522 w/Clock No. 25813
 (E) Second Initial Flow Pressure 55 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 55 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 95 PSI Initial Opening 15 min. Test X 700
 (H) Final Hydrostatic Mud 2657 PSI Initial Shut-In 60 min. Jars X 200

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 60 min. Safety Joint X 50
 Final Shut-In 120 min. Straddle _____

Approved By Art B. Childers

Our Representative Tom Horneek

Circ. Sub _____
 Sampler X 200
 Extra Packer _____
 Other _____

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FLUID SAMPLER DATA

Ticket No. 7390 Date 2-10-95
Company Name Helmerick & Payne
Lease Randle V1-A Test No. #1
County Haskell Ks. Sec. 33 Twp. 28 Rng. 33

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4000 ML
Water _____ ML
Other _____ ML
Pressure 80 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 1400 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 47
Mud Weight 9.1
Filtrate 8.8
Other _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.