

15-185-22704

32-21s-13w

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

Computer Inventoried Drill-Stem Test Data

Well Name & No.	HUFFORD #1	Test No.	1	Date	8/21/90
Company	HALLWOOD PETROLEUM INC	Zone Tested	KS CITY		
Address	P.O. BOX 378111 DENVER CO 80237	Elevation	1905 GL		
Co. Rep./Geo.	MR SCOTT ALBERG	Cont.	DUKE #1	Est. Ft. of Pay	0
Location: Sec.	32	Twp.	21S	Rge.	13W
		Co.	STAFFORD	State	KANSAS

Interval Tested	3580-3648	Drill Pipe Size	4.5" FH
Anchor Length	68	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	3575	Hole Size — 77/8"	Rubber Size — 63/4"
Bottom Packer Depth	3580	Wt. Pipe I.D. — 2.7 Ft. Run	900
Total Depth	3648	Drill Collar — 2.25 Ft. Run	0
Mud Wt.	9.4	Viscosity	41
	lb/gal.	Filtrate	10.8
Tool Open @	6:00 AM	Initial Blow	VERY WEAK THROUGHOUT

Final Blow VERY WEAK THROUGHOUT

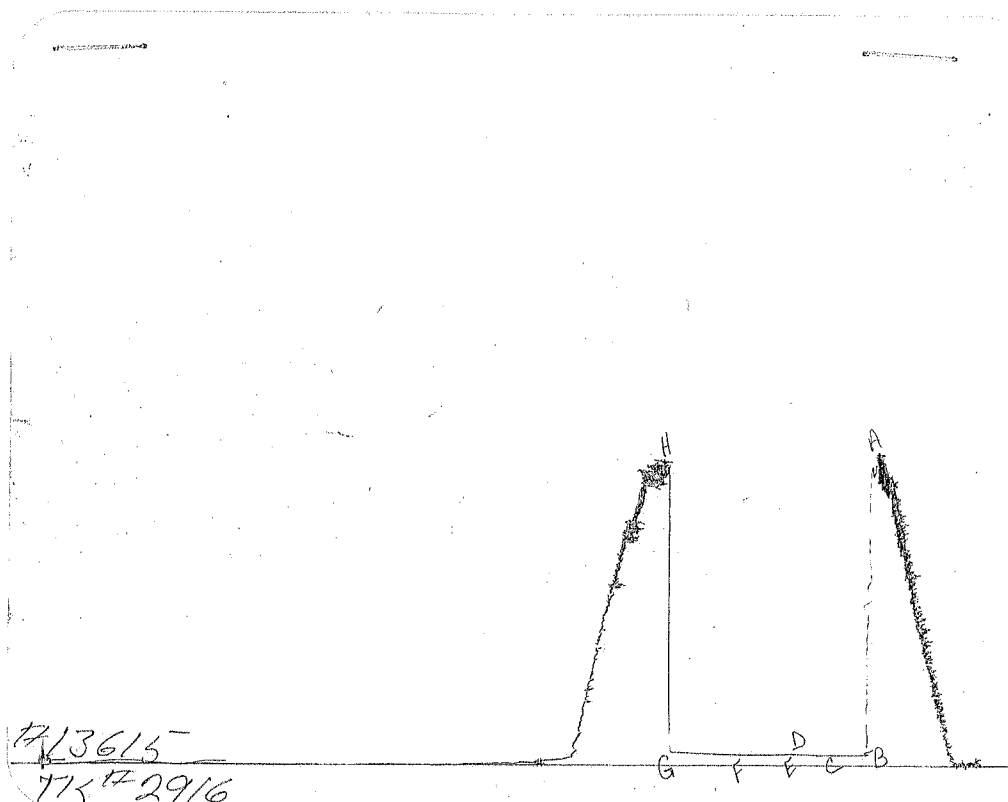
Recovery — Total Feet	30	Flush Tool?	NO
Rec.	90	Feet of	GAS IN PIPE
Rec.	0	Feet of	
Rec.	30	Feet of	OIL CUT MUD-15%OIL/85% MUD
Rec.	0	Feet of	
Rec.	0	Feet of	
BHT	118	°F	Gravity
		°API @	0
		°F	Corrected Gravity
			0
RW	@	°F	Chlorides
			1861.2
		ppm Recovery	6000
		Chlorides	10248
(A) Initial Hydrostatic Mud		PSI	AK1 Recorder No.
	62.3		3610
(B) First Initial Flow Pressure		PSI	@ (depth)
	74.5		13615
(C) First Final Flow Pressure		PSI	AK1 Recorder No.
	91.2		3648
(D) Initial Shut-In Pressure		PSI	@ (depth)
	72.6		0
(E) Second Initial Flow Pressure		PSI	AK1 Recorder No.
	81.4		0
(F) Second Final Flow Pressure		PSI	@ (depth)
	101.2		30
(G) Final Shut-In Pressure		PSI	Initial Opening
	1860.3		30
(H) Final Hydrostatic Mud		PSI	Initial Shut-In
			30
			Final Flow
			60
			Final Shut-In

MR HARRY SCHMIDT

550

Our Representative

TOTAL PRICE \$

DST# 1 RECORDER# 13615


This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud.....	1859	1861.2
(B) First Initial Flow Pressure.....	56	62.3
(C) First Final Flow Pressure.....	67	74.5
(D) Initial Closed-in Pressure.....	90	91.2
(E) Second Initial Flow Pressure.....	67	72.6
(F) Second Final Flow Pressure.....	78	81.4
(G) Final Closed-in Pressure.....	99	101.2
(H) Final Hydrostatic Mud.....	1859	1860.3

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FLUID SAMPLER DATA

Ticket No. 2916 Date 8/21/90
Company Name HALLWOOD PETROLEUM INC
Lease HUFFORD #1 Test No. 1
County STAFFORD Sec. 32 Twp. 21S Rng. 13W

SAMPLER RECOVERY

Gas 0 ML Chlorides 6000 ppm.
Oil 1000 ML Resistivity .9 ohms @ 80 F
Mud 3000 ML Viscosity 41
Water 0 ML Mud Weight 9.4
Other 0 ML Filtrate 10.8
Pressure 0 PSI Other _____
Total 4000 ML

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity 0.9 ohms @ 80 F
Chlorides 6,000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 0.9 ohms @ 80 F
Chlorides 6,000 ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

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TEST TICKET

No 2916

Well Name & No. <u>HUFFORD #1</u>	Test No. <u>ONE</u>	Date <u>8-21-90</u>
Company <u>HALLWOOD PETROLEUM INC.</u>	Zone Tested <u>K-2 City</u>	
Address <u>P.O. BOX 378111 DENVER, CO. 80237</u>	Elevation <u>1905 G.L.</u>	
Co. Rep. / Geo. <u>SCOTT ALBERG</u>	Cont. <u>DUKE #1</u>	Est. Ft. of Pay _____
Location: Sec. <u>32</u>	Twp. <u>21S</u>	Rge. <u>13W</u> Co. <u>STANFORD</u> State <u>KS</u>
No. of Copies <u>REC</u>	Distribution Sheet _____	Yes ☐ No ☒ Turnkey _____
		Yes ☐ No ☒

Interval Tested 3580 TO 3648 Drill Pipe Size 4 1/2" F11
 Anchor Length 68' Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 3575 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 3580 Wt. Pipe I.D. — 2.7 Ft. Run 900
 Total Depth 3648 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.4 lb/gal. Viscosity 41 Filtrate 10.8
 Tool Open @ 6:00 A Initial Blow VERY WEAK THROUGHOUT

Final Blow VERY WEAK THROUGHOUT

Recovery — Total Feet 30' Flush Tool? NO
 Rec. 30' Feet of OIL CUT MUD 15% OIL 85% MUD
 Rec. _____ Feet of _____
 Rec. 90 Feet of GAS IN PIPE
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 BHT 118 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6000 ppm System
 (A) Initial Hydrostatic Mud 1859 PSI AK1 Recorder No. 10248 Range 4400
 (B) First Initial Flow Pressure 56 PSI @ (depth) 3610 w/Clock No. 27501
 (C) First Final Flow Pressure 67 PSI AK1 Recorder No. 13615 Range 4525
 (D) Initial Shut-In Pressure 90 PSI @ (depth) 3648 w/Clock No. 27567
 (E) Second Initial Flow Pressure 67 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 78 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 99 PSI Initial Opening 30 Test 400.00
 (H) Final Hydrostatic Mud 1859 PSI Initial Shut-In 30 Jars _____
 Final Flow 30 Safety Joint _____
 Final Shut-In 60 Straddle _____

Approved By Scott Alberg

Our Representative [Signature]

Printcraft Printers • Hays, KS

Circ. Sub _____
 Sampler 150.00
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ 550.00