

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name OFL #1 Test No. 1 Date 6/1/93
Company RED OAK ENERGY, INC. Zone LKC
Address 200 W. DOUGLAS #510 WICHITA KS 67202 Elevation 3789
Co. Rep./Geo. SCOTT BANKS Cont. MURFIN RIG #24 Est. Ft. of Pay _____
Location: Sec. 31 Twp. 15S Rge. 41W Co. WALLACE State KS

Interval Tested <u>4140-4309</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>169</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>4125</u>	Drill Collar - 2.25 Ft. Run <u>530</u>
Bottom Packer Depth <u>4140</u>	Mud Wt. <u>9</u> lb/Gal.
Total Depth <u>4309</u>	Viscosity <u>60</u> Filtrate <u>11</u>

Tool Open @ 2:45 PM Initial Blow STRONG BLOW-SLOW BUILD BOTTOM OF BUCKET IN 20 MINUTES

Final Blow STRONG BLOW-BOTTOM OF BUCKET IN 18 MINUTES
NO BLOW BACKS DURING SHUT-IN

Recovery - Total Feet 800 Flush Tool? NO

Rec. <u>800</u>	Feet of <u>MUDDY WATER</u>
Rec. _____	Feet of <u>SHOW OF OIL IN TOOL</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.2 @ 90 °F Chlorides 25000 ppm Recovery Chlorides 2200 ppm System

(A) Initial Hydrostatic Mud 1885.4 PSI AK1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 53.4 PSI @ (depth) 4112 w / Clock No. 31152

(C) First Final Flow Pressure 237.6 PSI AK1 Recorder No. 10333 Range 4075

(D) Initial Shut-in Pressure 1019.4 PSI @ (depth) 4306 w / Clock No. 25813

(E) Second Initial Flow Pressure 241.9 PSI AK1 Recorder No. _____ Range _____

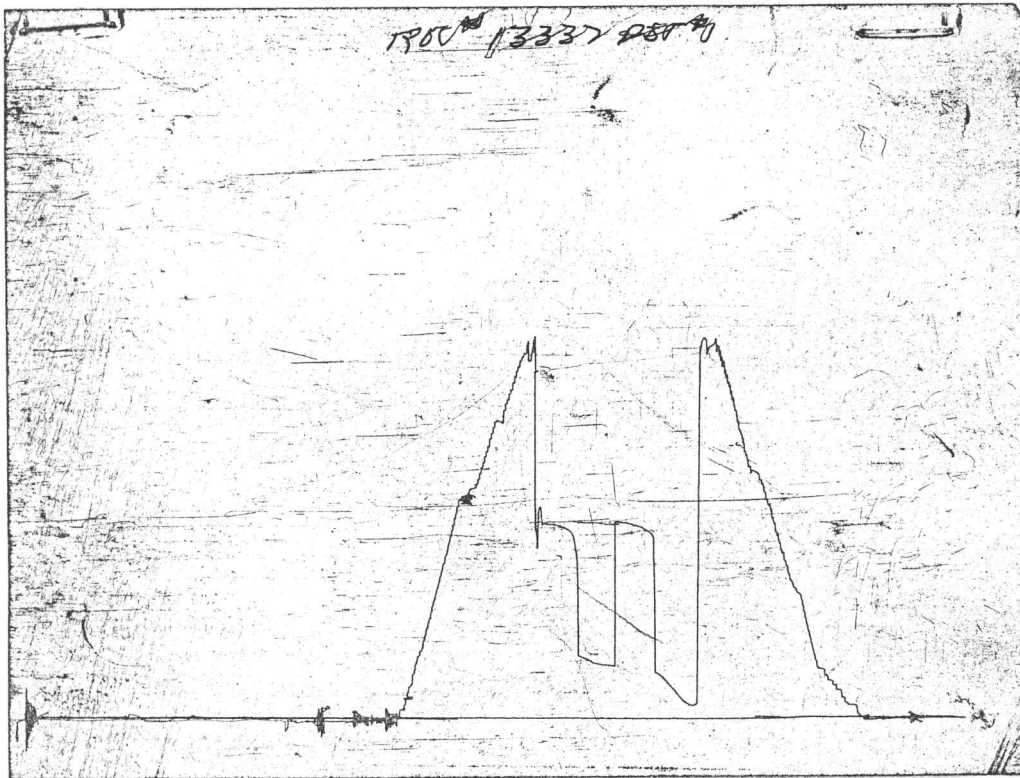
(F) Second Final Flow Pressure 325.4 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 981.2 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1863.1 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative JOHN RIEDL

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1895	1885.4
(B) FIRST INITIAL FLOW PRESSURE	60	53.4
(C) FIRST FINAL FLOW PRESSURE	227	237.6
(D) INITIAL CLOSED-IN PRESSURE	1005	1019.4
(E) SECOND INITIAL FLOW PRESSURE	248	241.9
(F) SECOND FINAL FLOW PRESSURE	316	325.4
(G) FINAL CLOSED-IN PRESSURE	995	981.2
(H) FINAL HYDROSTATIC MUD	1872	1863.1

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Drill-Stem Test Data

Well Name OFL #1 Test No. 2 Date 6/3/93
Company RED OAK ENERGY, INC. Zone MORROW SAND
Address 200 W. DOUGLAS #510 WICHITA KS 67202 Elevation 3789
Co. Rep./Geo. SCOTT BANKS Cont. MURFIN RIG #24 Est. Ft. of Pay _____
Location: Sec. 31 Twp. 15S Rge. 41W Co. WALLACE State KS

Interval Tested	<u>4930-5040</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>110</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4925</u>	Drill Collar - 2.25 Ft. Run	<u>530</u>
Bottom Packer Depth	<u>4930</u>	Mud Wt.	<u>9.3</u> lb/Gal.
Total Depth	<u>5040</u>	Viscosity	<u>53</u>
		Filtrate	<u>9</u>

Tool Open @ 9:35 Initial Blow STRONG BLOW-BOTTOM OF BUCKET IN 1 MINUTE GAS TO
SURFACE IN 3 MINUTES--WATERY MIST IN 10 MINUTES OIL MIST IN 20 MINUTES
Final Blow STRONG BLOW-GAS TO SURFACE THROUGHOUT ACCOMDANIED BY OIL MIST

Recovery - Total Feet 540 Flush Tool? NO

Rec. <u>4360</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>510</u>	Feet of	<u>CLEAN GASSY OIL 20%GAS/80%OIL</u>
Rec. <u>30</u>	Feet of	<u>MUD CUT GASSY OIL 10%GAS/60%OIL/30%MUD</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 136 °F Gravity 38 °API @ 70 °F Corrected Gravity 37 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3400 ppm System

(A) Initial Hydrostatic Mud 2349.5 PSI AK1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 835.4 PSI @ (depth) 4935 w / Clock No. 31152

(C) First Final Flow Pressure 912.4 PSI AK1 Recorder No. 10333 Range 4075

(D) Initial Shut-in Pressure 1015.4 PSI @ (depth) 5037 w / Clock No. 25813

(E) Second Initial Flow Pressure 876.5 PSI AK1 Recorder No. _____ Range _____

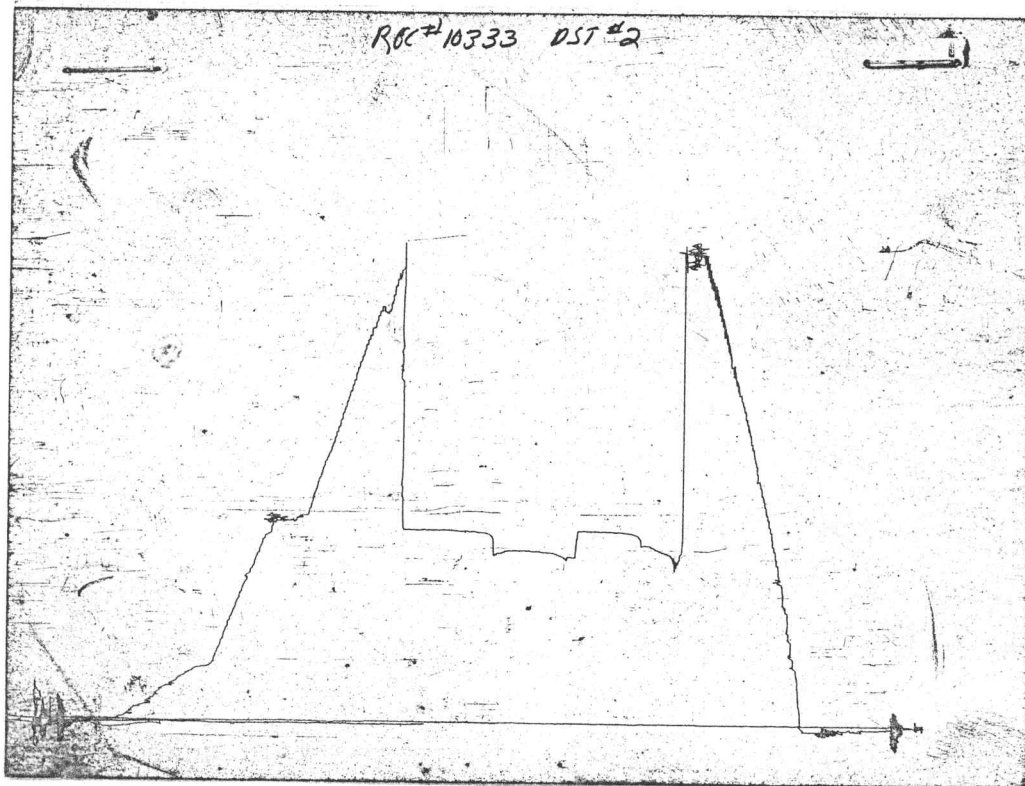
(F) Second Final Flow Pressure 904.9 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1029.4 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2307.1 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative JOHN RIEDL

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2337	2349.5
(B) FIRST INITIAL FLOW PRESSURE	828	835.4
(C) FIRST FINAL FLOW PRESSURE	907	912.4
(D) INITIAL CLOSED-IN PRESSURE	1023	1015.4
(E) SECOND INITIAL FLOW PRESSURE	861	876.5
(F) SECOND FINAL FLOW PRESSURE	897	904.9
(G) FINAL CLOSED-IN PRESSURE	1021	1029.4
(H) FINAL HYDROSTATIC MUD	2300	2307.1

GAS VOLUME REPORT

RED OAK ENERGY, INC.

OFL #1

DST # 2

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
				5	25	1.5	2258
				10	40	1.5	3155
				15	45	1.5	3454
				20	50	1.5	3752
				25	45	1.5	3454
				30	50	1.5	3752
				35	50	1.5	3752
				40	40	1.5	3155
				45	50	1.5	3752
				50	40	1.5	3155
				55	50	1.5	3752
				60	45	1.5	3454

Remarks: GAS TO SURFACE IN 3 MINUTES--GAS BURNED