

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name 2-31 OFL Test No. 1 Date 7/11/94
Company RED OAK ENERGY, INC. Zone MORROW
Address 200 W. DOUGLAS #510 WICHITA KS 67202 Elevation 3771
Co. Rep./Geo. SCOTT BANKS Cont. MURFIN #14 Est. Ft. of Pay _____
Location: Sec. 31 Twp. 15S Rge. 41W Co. WALLACE State KS

Interval Tested 4920-5030 Drill Pipe Size 4.5" XH
Anchor Length 110 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 4910 Drill Collar - 2.25 Ft. Run 507
Bottom Packer Depth 4920 Mud Wt. 9.1 lb/Gal.
Total Depth 5030 Viscosity 55 Filtrate 9.6

Tool Open @ 4:30 Initial Blow SURFACE BLOW TO BOTTOM OF BUCKET IN 1/2 MINUTE
GAS TO SURFACE IN 10 MINUTES
Final Blow GAUGING THROUGHOUT

Recovery - Total Feet 3514 Flush Tool? NO

Rec. 1350 Feet of GAS IN PIPE
Rec. 3514 Feet of GAS CUT MUDDY OIL 15%GAS/80%OIL/5%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 136 °F Gravity 39 °API @ 100 °F Corrected Gravity 35 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 7000 ppm System

(A) Initial Hydrostatic Mud 2511.1 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure 653.2 PSI @ (depth) 4924 w / Clock No. 25814

(C) First Final Flow Pressure 752.2 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 897.7 PSI @ (depth) 5030 w / Clock No. 25813

(E) Second Initial Flow Pressure 827.7 PSI AK1 Recorder No. _____ Range _____

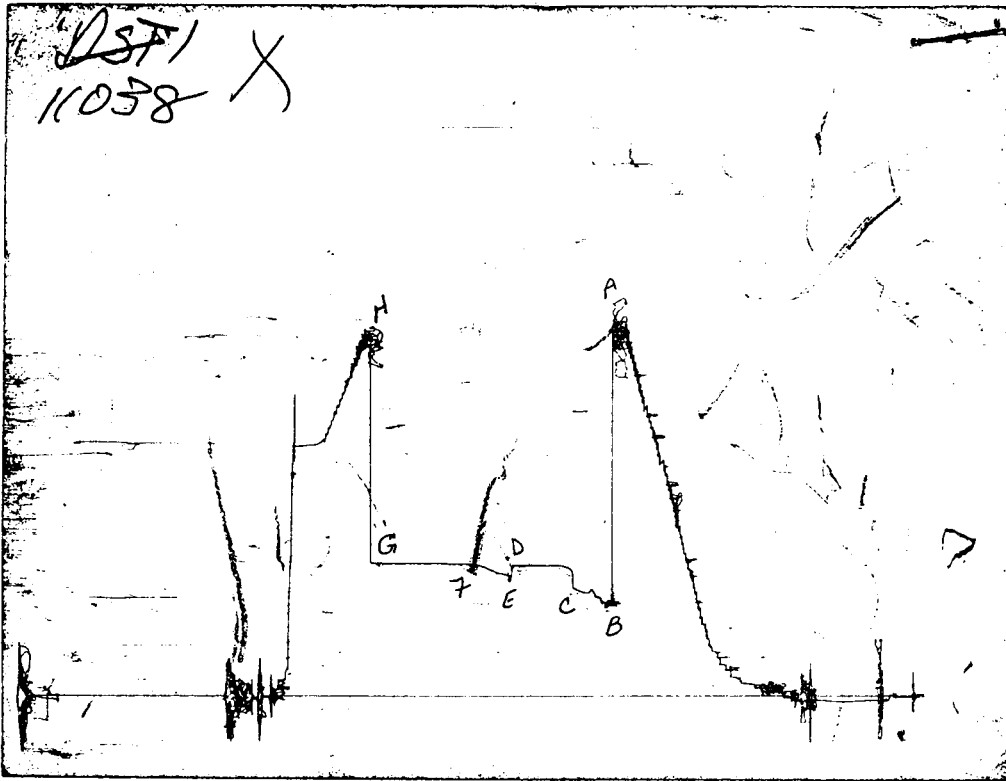
(F) Second Final Flow Pressure 904.1 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 910.4 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 2434.1 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative GARY SPEER

CHART PAGE



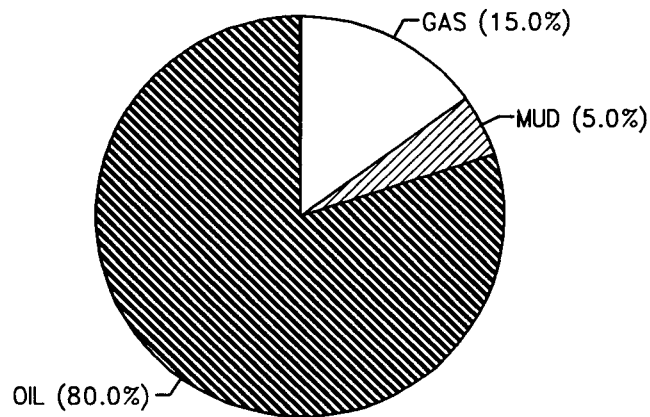
This is an actual photograph of recorder chart 11038

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2439	2511.1
(B) FIRST INITIAL FLOW PRESSURE	637	653.2
(C) FIRST FINAL FLOW PRESSURE	779	752.2
(D) INITIAL CLOSED-IN PRESSURE	893	897.7
(E) SECOND INITIAL FLOW PRESSURE	804	827.7
(F) SECOND FINAL FLOW PRESSURE	906	904.1
(G) FINAL CLOSED-IN PRESSURE	919	910.4
(H) FINAL HYDROSTATIC MUD	2439	2434.1

CALCULATED RECOVERY ANALYSIS

DST		1		TICKET #		7022			
SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL 1			0		0		0		0
PIPE 2	3007	15	451.05	80	2405.6		0	5	150.35
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
WEIGHT 1			0		0		0		0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRILL 1	507	15	76.05	80	405.6		0	5	25.35
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	3514		527.1		2811.2		0		175.7

BBL OIL=	36.191016	*	HRS OPEN	1.25	BBL/DAY	694.86751
BBL WATER=	0	*				0
BBL MUD=	2.2619385					
BBL GAS =	6.7858155					



GAS VOLUME REPORT

RED OAK ENERGY, INC.

2-31 OFL

DST # 1

MIN	PSIG	ORIFICE	MCF/D	MIN	PSIG	ORIFICE	MCF/D
10	2.5	0.5	53.4	5:45	8.5	0.5	105
20	5	0.375	44.2	10	5	0.5	78.1
				20	50"	0.25	54.1
				30	4	0.25	18.5
				40	2	0.25	12.7

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 7022 Date 7-11-94
Company Name Red Oak Energy, Inc
Lease #2310FL Test No. 1
County Wallace Sec. 31 Twp. 15 Rng. 41

SAMPLER RECOVERY

Gas 1.45 cu.ft. ML
Oil 1500 ML
Mud _____ ML
Water _____ ML
Other _____ ML
Pressure 40 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 7,000 ppm.
Resistivity .7 ohms @ 90 F
Viscosity 55
Mud Weight 9.1
Filtrate 9.6
Other LCM - Trace

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity 35 corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides 0.7 ppm.
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.