TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name FLAX #4 Test No. 1 Date 2/15/92

Company DECAB COMPANY Zone Tested LKC-"C,D,E"

Address P.O. BOX 609 HAYS KANSAS 67601 Elevation 2240

Co. Rep./Geo. MR RON NELSON Cont. MURFIN DRLG #3 Est. Ft. of Pay

Location: Sec. 5 Twp. 14S Rge. 21W Co. TREGO State KS

Interval Tested 3620-3677 Drill Pipe Size 4.5" XH

Anchor Length 57 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 3615 Drill Collar — 2.25 Ft. Run 385

Bottom Packer Depth 3620

Total Depth 3677

Mud Wt. 9 lb / gal. Viscosity 44 Filtrate 8.8

Tool Open @ 1:12 PM Initial Blow 3/4" BLOW BUILDING TO BOTTOM OF BUCKET IN 14 MINUTES-(BLOW BACK BUILT TO 4.5")

Final Blow 2" BLOW BUILDING TO BOTTOM OF BUCKET IN 12 MINUTES (BLOW BACK BUILT TO 12")

Recovery — Total Feet 480 Flush Tool? NO

Rec. 460 Feet of GAS IN PIPE

Rec. 190 Feet of CLEAN OIL

Rec. 50 Feet of MUD CUT OIL-60%OIL/40%MUD

Rec. 120 Feet of OIL & WTR CUT MUD-20%OIL/40%WTR/40%MUD

Rec. 120 Feet of SLTLY OIL CUT MUDDY WTR-5%OIL/70%WTR/25%MUD

BHT 106 °F Gravity 19 °API @ 60 °F Corrected Gravity 19 °API

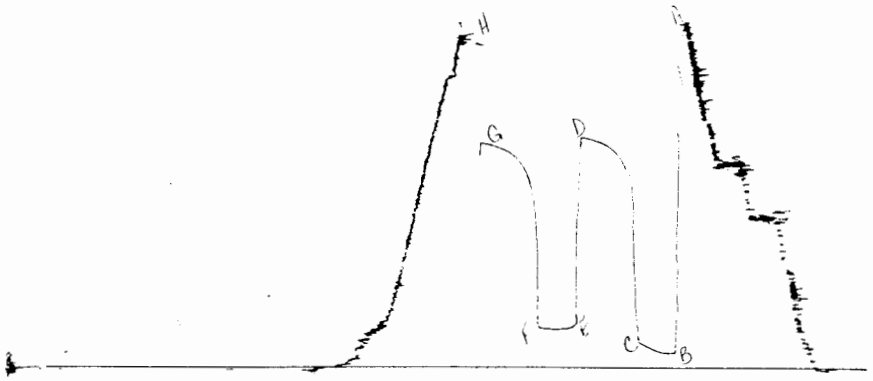
RW 0.241 @ 48.7 °F Chlorides 44000 ppm Recovery Chlorides 8600 ppm System

(A) Initial Hydrostatic Mud	1643.2 PSI	Ak1 Recorder No.	13337	Range	3975
(B) First Initial Flow Pressure	66 PSI	@ (depth)	3657	w/Clock No.	8698
(C) First Final Flow Pressure	150.1 PSI	AK1 Recorder No.	24174	Range	3350
(D) Initial Shut-in Pressure	1076.3 PSI	@ (depth	3676	w/Clock No.	17640
(E) Second Initial Flow Pressure	205.4 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	204.6 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-in Pressure	1036 PSI	Initial Opening	30	Final Flow	30
(H) Final Hydrostatic Mud	1560.4 PSI	Initial Shut-in	45	Final Shut-in	45

Our Representative PAUL SIMPSON TOTAL PRICE $ 550

Printcraft Printers - Hays, KS

13337



This is an actual photograph of recorder chart

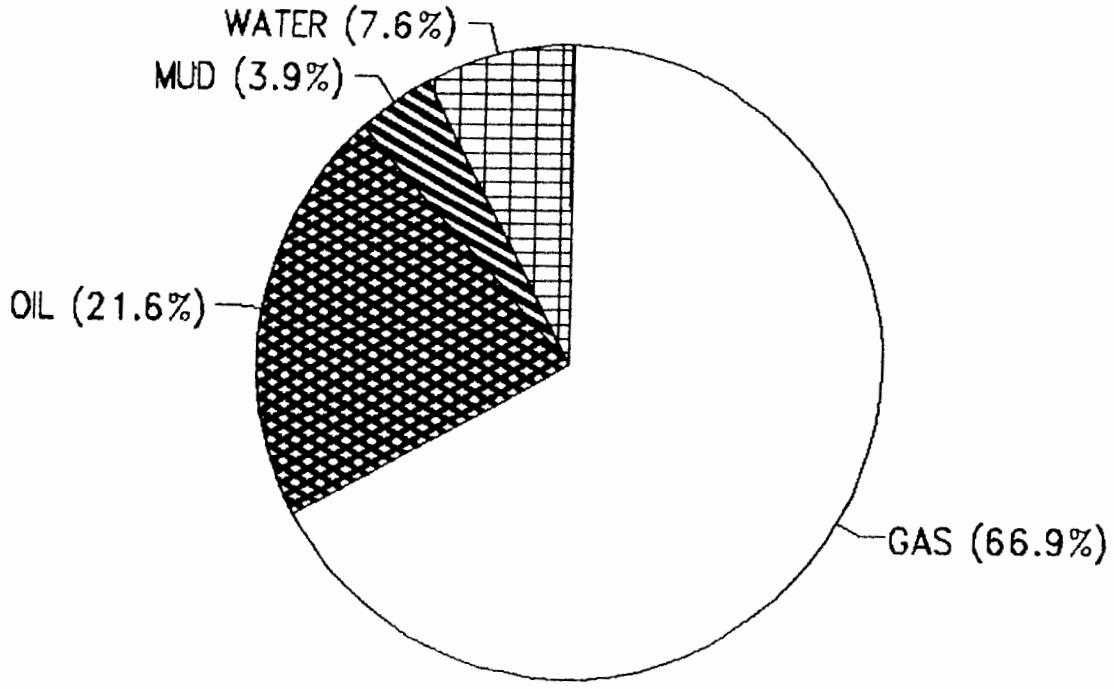
POINT	PRESSURE	
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1606	1643.2
(B) FIRST INITIAL FLOW PRESSURE	58	66
(C) FIRST FINAL FLOW PRESSURE	148	150.1
(D) INITIAL CLOSED-IN PRESSURE	1079	1076.3
(E) SECOND INITIAL FLOW PRESSURE	190	205.4
(F) SECOND FINAL FLOW PRESSURE	206	204.6
(G) FINAL CLOSED-IN PRESSURE	1045	1036
(H) FINAL HYDROSTATIC MUD	1557	1560.4

CALCULATED RECOVERY ANALYSIS

DST # 1 TICKET # 4747

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
DRILL 1	460	100	460		0		0		0
PIPE 2	95		0	100	95		0		0
3			0		0		0		0
4			0		0		0		0
5			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	95		0	100	95		0		0
COLLAR 2	50		0	60	30	40	20		0
3	120		0	20	24	40	48	40	48
4	120		0	5	6	70	84	25	30
TOTAL	940		460		250		152		78

		HRS OPEN	BBL/DAY
BBL OIL= 2.10885	*	1	50.6124
BBL WATER 0.74328	*		17.8387
BBL MUD= 0.38142			
BBL GAS = 6.5412			



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P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 4747

Well Name & No. Flax #4 Test No. 1 Date 2-15-92

Company Deceb Company Zone Tested LKC C,D,E

Address PO Box 609 Hays, Ks 67601 Elevation 2240

Co. Rep./Geo. Ron Nelson Cont. Murfin #3 Est. Ft. of Pay

Location: Sec. 5 Twp. 14s Rge. 21w Co. Trego State Ks

No. of Copies Distribution Sheet Yes X No Turnkey Yes X No Evaluation

Interval Tested 3620-3677 Drill Pipe Size 4½ XH

Anchor Length 57 Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 3615 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 3620 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 3677 Drill Collar — 2.25 Ft. Run 385

Mud Wt. 9.0 lb / gal. Viscosity 44 Filtrate 5.8

Tool Open @ 1:12 PM Initial Blow 3/4" blow building to bottom of bucket in 14 minutes (blow back built to 4½")

Final Blow 2" blow building to bottom of bucket in 12 mins (blow back built to 12")

Recovery — Total Feet 480 Feet of Gas in Pipe 460 Flush Tool?

Rec. 190	Feet Of	oil	%gas 100	%oil	%water	%mud
Rec. 50	Feet Of	MCO	%gas 60	%oil	%water 40	%mud
Rec. 120	Feet Of	OCMW	%gas 20	%oil 40	%water 40	%mud
Rec.	Feet Of		%gas	%oil	%water	%mud
Rec. 120	Feet Of	SLOCMW	%gas 5	%oil 70	%water 25	%mud

BHT 106 °F Gravity 19 °API @ 60 °F Corrected Gravity 19 °API

RW .241 @ 48.7 °F Chlorides 44,000 ppm Recovery Chlorides 5600 ppm System

(A) Initial Hydrostatic Mud	1604 PSI	AK1 Recorder No.	13337	Range	3975
(B) First Initial Flow Pressure	52 PSI	@ (depth)	3657	w/Clock No.	8698
(C) First Final Flow Pressure	148 PSI	AK1 Recorder No.	24174	Range	3350
(D) Initial Shut-In Pressure	1079 PSI	@ (depth)	3676	w/Clock No.	17640
(E) Second Initial Flow Pressure	190 PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	206 PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	1045 PSI	Initial Opening	30	Test	X
(H) Final Hydrostatic Mud	1557 PSI	Initial Shut-In	45	Jars	
		Final Flow	30	Safety Joint	
		Final Shut-In	45	Straddle	
				Circ. Sub	
				Sampler	
				Extra Packer	
				Other	
				TOTAL PRICE $	X

Approved By

Our Representative Ron Simpson

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