

15-031-20880

and

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SUMNER #1-11 Test No. 1 Date 4/15/92
 Company ECHELON LAND & EXPLORATION CO. Zone Tested LKC-"B"
 Address P.O. BOX 1098 HAVANO FLORIDA 32333 Elevation 2465 K.B.
 Co. Rep./Geo. PETE DEBENHAN Cont. EMPHASIS RIG #7 Est. Ft. of Pay 3
 Location: Sec. 11 Twp. 1S Rge. 26W Co. DECATUR State KS

Interval Tested 3265-3326
 Anchor Length 61
 Top Packer Depth 3260
 Bottom Packer Depth 3265
 Total Depth 3326

Drill Pipe Size 4.5 XH
 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Drill Collar - 2.25 Ft. Run _____

Mud Wt. 9.1 lb / gal. Viscosity 44 Filtrate 7

Tool Open @ 9:02 PM Initial Blow WEAK-BUILDING TO 1/2"

Final Blow WEAK SURFACE BLOW

Recovery - Total Feet 45 Flush Tool? NO

Rec. 45 Feet of HEAVY OIL CUT MUD-30%OIL/70%MUD

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 106 °F Gravity _____ °API @ _____ °F Corrected Gravity 30 °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 900 ppm System

(A) Initial Hydrostatic Mud 1792.5 PSI Ak1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 69.4 PSI @ (depth) 3269 w/Clock No. 31152

(C) First Final Flow Pressure 69.4 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-In Pressure 765.2 PSI @ (depth) 3322 w/Clock No. 8179

(E) Second Initial Flow Pressure 81.5 PSI AK1 Recorder No. _____ Range _____

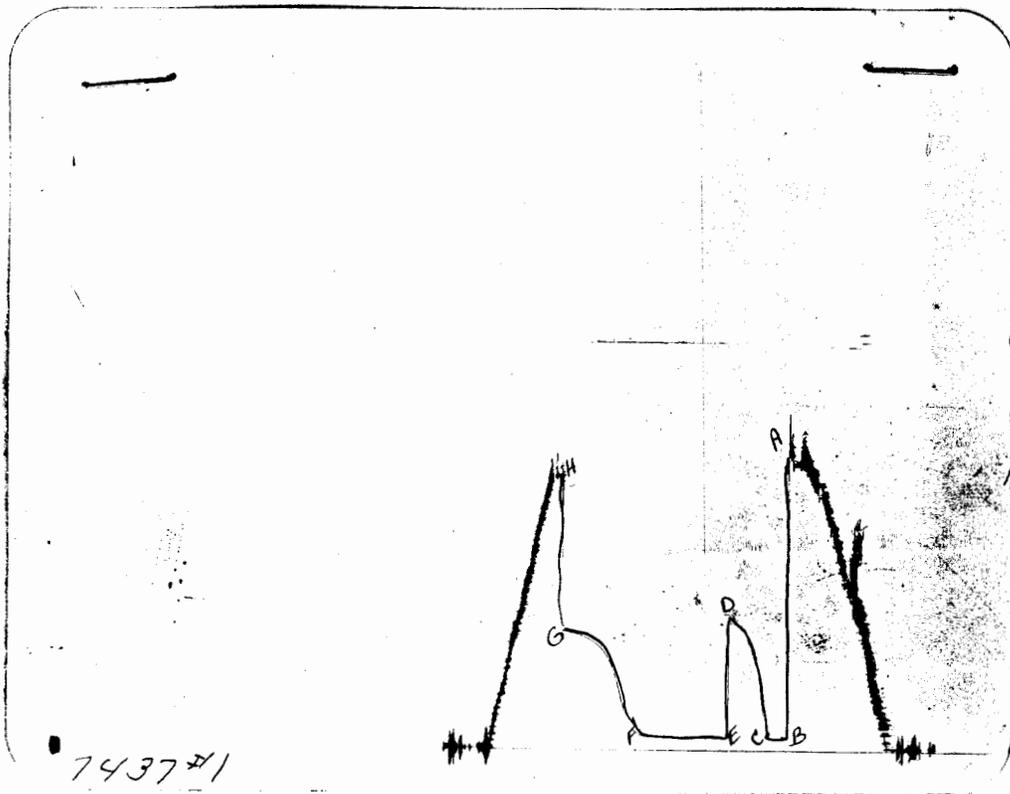
(F) Second Final Flow Pressure 90.3 PSI @ (depth) _____ w/Clock No. _____

(G) Final Shut-In Pressure 699.2 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 1625.9 PSI Initial Shut-In 30 Final Shut-In 60

Our Representative DAN BANGLE

TOTAL PRICE \$ 800

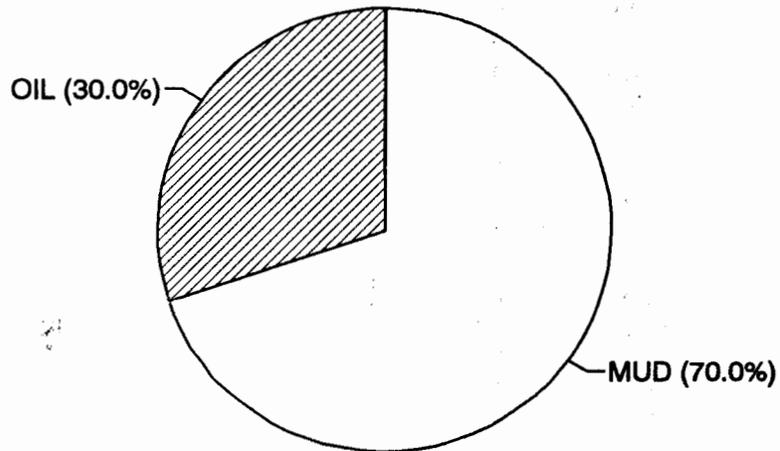


POINT This is an actual photograph of recorder chart PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1789	1792.5
(B) FIRST INITIAL FLOW PRESSURE	66	69.4
(C) FIRST FINAL FLOW PRESSURE	66	69.4
(D) INITIAL CLOSED-IN PRESSURE	747	765.2
(E) SECOND INITIAL FLOW PRESSURE	66	81.5
(F) SECOND FINAL FLOW PRESSURE	77	90.3
(G) FINAL CLOSED-IN PRESSURE	684	699.2
(H) FINAL HYDROSTATIC MUD	1620	1625.9

DST #	CALCULATED RECOVERY ANALYSIS						DRILL	PIPE	
	1	TICKET						4754	
SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
1	45		0	30	13.5		0	70	31.5
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	45	0	0	30	13.5	0	0	70	31.5

HRS BBL/DAY
 BBL OIL= 0.19197 * 1.25 3.6858
 BBL WATER= 0 * 0
 BBL MUD= 0.44793
 BBL GAS 0



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Drill-Stem Test Data

Well Name SUMNER #1-11 Test No 2 Date 4/17/92
Company ECHELON LAND & EXPLORATION CO. Zone Tested LKO "B"
Address P.O. BOX 1098 HAVANO FLORIDA 32333 Elevation 2465 K.B.
Co. Rep./Geo. PETE DEBENHAN Cont. EMPHASIS RIG #7 Est. Ft. of Pay 10
Location: Sec. 11 Twp. 1S Rge. 26W Co. DECATUR State KS

Recog. Penn Sand

Interval Tested 3508-3610 Drill Pipe Size 4.5 XH
Anchor Length 102 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 3503 Drill Collar - 2.25 Ft. Run
Bottom Packer Depth 3508
Total Depth 3610

Mud Wt. 9.2 lb / gal. Viscosity 51 Filtrate 6.8

Tool Open @ 1:35 AM Initial Blow STRONG-OFF BOTTOM OF BUCKET IN 15 MINUTES

Final Blow STRONG-OFF BOTTOM OF BUCKET IN 30 MINUTES

Recovery - Total Feet 381 Flush Tool? NO

Rec. 15 Feet of CLEAN OIL

Rec. 61 Feet of MUD CUT OIL-70%OIL/30%MUD

Rec. 122 Feet of OIL CUT MUD-20%OIL/80%MUD

Rec. 183 Feet of WATER

Rec. Feet of
BHT 113 °F Gravity °API @ °F Corrected Gravity 28 °API

RW 0.36 @ 78 °F Chlorides 25000 ppm Recovery Chlorides 900 ppm System

(A) Initial Hydrostatic Mud 1845.1 PSI AK1 Recorder No. 7437 Range 4200

(B) First Initial Flow Pressure 112 PSI @ (depth) 3512 w/Clock No. 31152

(C) First Final Flow Pressure 134.3 PSI AK1 Recorder No. 13849 Range 4375

(D) Initial Shut-In Pressure 716 PSI @ (depth) 3606 w/Clock No. 8179

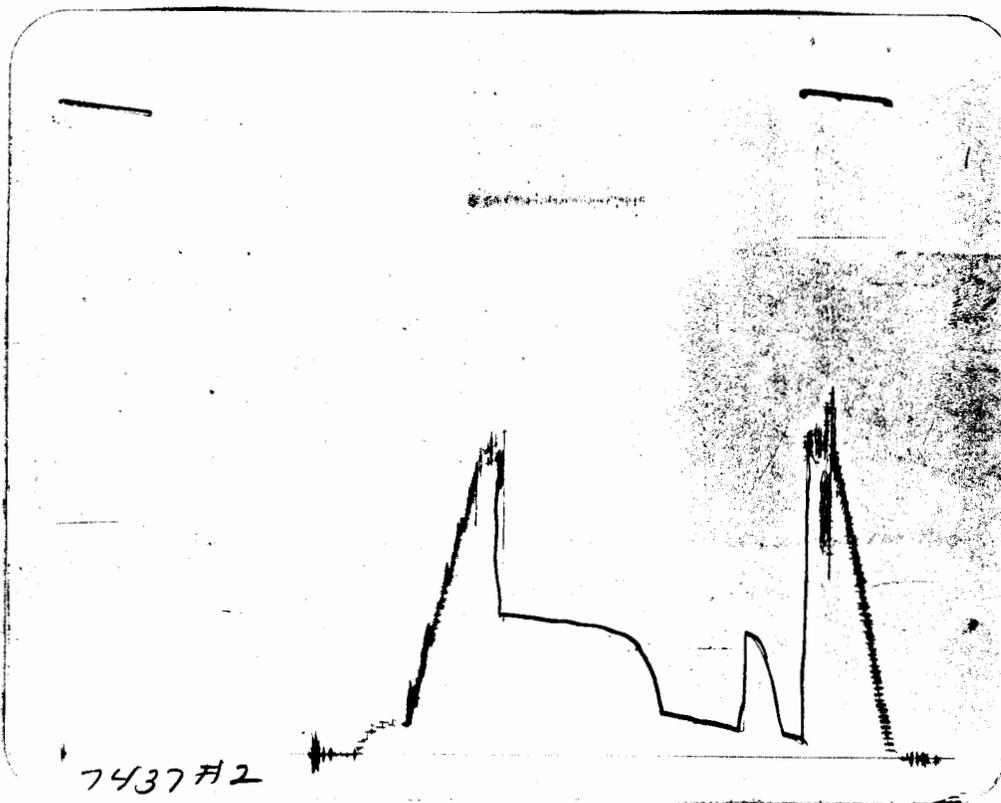
(E) Second Initial Flow Pressure 157.4 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 252.2 PSI @ (depth) w/Clock No.

(G) Final Shut-In Pressure 814.5 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 1760.4 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative DAN BANGLE TOTAL PRICE \$ 1000



POINT This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1841	1845.1
(B) FIRST INITIAL FLOW PRESSURE	99	112
(C) FIRST FINAL FLOW PRESSURE	132	134.3
(D) INITIAL CLOSED-IN PRESSURE	726	716
(E) SECOND INITIAL FLOW PRESSURE	165	157.4
(F) SECOND FINAL FLOW PRESSURE	253	252.2
(G) FINAL CLOSED-IN PRESSURE	810	814.5
(H) FINAL HYDROSTATIC MUD	1757	1760.4

DST #	CALCULATED RECOVERY ANALYSIS					DRILL	PIPE		
	2	TICKET					4755		
SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
1	15	0	0	100	15	0	0	0	0
2	61	0	0	70	42.7	0	0	30	18.3
3	122	0	0	20	24.4	0	0	80	97.6
4	183	0	0	0	0	100	183	0	0
5			0		0		0		0
TOTAL	381	0	0	21.5	82.1	48.031496	183	30.4	115.9

		HRS	BBL/DAY
BBL OIL=	1.167462	*	1.25 22.415
BBL WATER=	2.60226	*	49.963
BBL MUD=	1.648098		
BBL GAS	0		

