

15-055-21125

24-215-31W RELEASED

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

FEB 4 1994

Drill-Stem Test Data

FROM CONFIDENTIAL

Well Name JEAN ANN #24-1 Test No. 1 Date 9/18/92
 Company ENRON OIL & GAS COMPANY Zone ST LOUIS
 Address 20 N BROADWAY #830 OKLAHOMA CITY OK 73102 Elevation 2915
 Co. Rep./Geo. GLEN BROWN Cont. DUKE DRLG RIG #4 Est. Ft. of Pay 9
 Location: Sec. 24 Twp. 21S Rge. 31W Co. FINNEY State KS

Interval Tested 4730-4808
 Anchor Length 78
 Top Packer Depth 4725
 Bottom Packer Depth 4730
 al Depth 4808

Drill Pipe Size 4.5" XH
 Wt. Pipe I.D. - 2.7 Ft. Run 190
 Drill Collar - 2.25 Ft. Run 60
 Mud Wt. 9.1 lb/Gal.
 Viscosity 56 Filtrate 8

Tool Open @ 6:30 PM Initial Blow SURFACE BLOW SLOWLY BUILT TO 6"
ISI: BLED OFF BLOW-NO RETURN

al Blow SURFACE BLOW AFTER 3 MINUTES WEAK-SLOWLY BUILT TO 7"
FSI: BLED OFF BLOW-NO RETURN

Recovery - Total Feet 340 Flush Tool? NO

Rec. 100 Feet of MUDDY WATER-60%WTR/40%MUD
 Rec. 240 Feet of MUDDY WATER-80%WTR/20%MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

DEC 14

CONFIDENTIAL

BHT 124 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.32 @ 51 °F Chlorides 29000 ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 2256.7 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 19.6 PSI @ (depth) 4735 w / Clock No. 25810

(C) First Final Flow Pressure 53.1 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 1090.7 PSI @ (depth) 4803 w / Clock No. 27566

(E) Second Initial Flow Pressure 94.8 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 125.6 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1071.8 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2211.9 PSI Initial Shut-in 30 Final Shut-in 90

Our Representative ROD STEINBRINK

CHART PAGE

COPY

DST#1

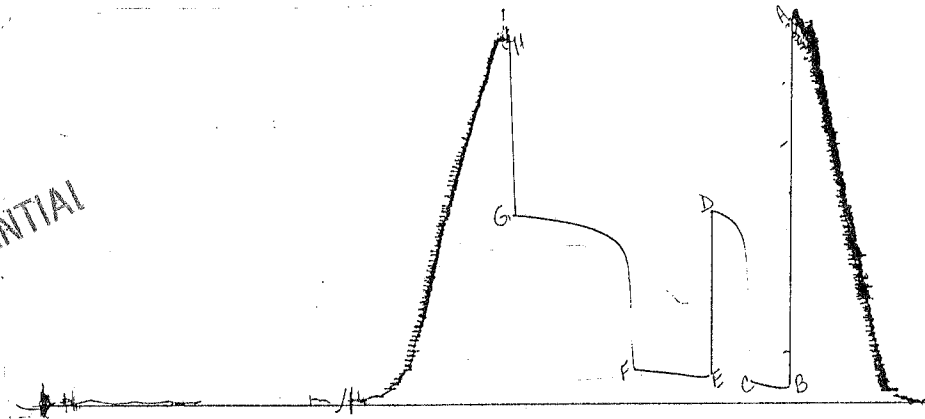
13309

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FROM CONFIDENTIAL

DEC 1 4
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This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2253	2256.7
(B) FIRST INITIAL FLOW PRESSURE	20	19.6
(C) FIRST FINAL FLOW PRESSURE	52	53.1
(D) INITIAL CLOSED-IN PRESSURE	1090	1090.7
(E) SECOND INITIAL FLOW PRESSURE	93	94.8
(F) SECOND FINAL FLOW PRESSURE	124	125.6
(G) FINAL CLOSED-IN PRESSURE	1070	1071.8
(H) FINAL HYDROSTATIC MUD	2213	2211.9

FLUID SAMPLER DATA

COPY

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FEB 4 1994

Ticket No.: 5255

Date: 9/18/92

FROM CONFIDENTIAL

Company: ENRON OIL & GAS COMPANY

Lease: JEAN ANN #24-1

Test No.: 1

County: FINNEY

Sec.: 24

Twp.: 21S

Rng.: 31W

SAMPLER RECOVERY

Gas

Oil

Mud 200

Water 3800

Other

Pressure 50

TOTAL 4000

SAMPLER ANALYSIS

Resistivity 0.32 ohms@ 51 F

Chlorides 29000 ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 1000

Resistivity ohms@ F

Viscosity 56

Mud Wt. 9.1

Filtrate 8

Other

PIPE RECOVERY

TOP

Resistivity 0.33 ohms@ 54 F

Chlorides 25000 ppm

MIDDLE

Resistivity 0.32 ohms@ 54 F

Chlorides 26000 ppm

BOTTOM

Resistivity 0.32 ohms@ 53 F

Chlorides 27000 ppm

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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

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Test Ticket

FEB 12 1994 255

FROM CONFIDENTIAL

Well Name & No.	Jean Ann #24-1	Test No.	1	Date	9-18-92
Company	Enron Oil & Gas Company	Zone Tested	St. Louis		
Address	20 N. Broadway Suite 830 Okla. City, OK. 73102	Elevation	2915 (KB)		
Co. Rep./Geo.	Glen Brown	cont.	Duke #4	Est. Ft. of Pay	9'
Location: Sec.	24	Twp.	21 S	Rge.	31 W
				co.	Finney
				state	KS
No. of Copies	4	Distribution Sheet	X	Yes	No
		Turnkey	X	Yes	No
		Evaluation			

Interval Tested	4730 - 4808	Drill Pipe Size	4 1/2" XH.
Anchor Length	78'	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	4725	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	4730	Wt. Pipe I.D. — 2.7 Ft. Run	190'
Total Depth	(LTD) 4808	Drill Collar — 2.25 Ft. Run	60'
Mud Wt.	9.1	lb/gal.	Viscosity 56
			Filtrate 8.0
Tool Open @ 6:30 pm (CDT)	Initial Blow	Surface blow Slowly built to 6".	
IST: Bled off blow - No return			
Final Blow	Surface blow after 3 min weak slowly built to 7".		
FSI: Bled off blow - No return.			

Recovery — Total Feet	340'	Feet of Gas in Pipe		Flush Tool?	No
Rec.	Feet Of	% gas	% oil	% water	% mud
Rec. 100'	Feet Of	MW	—	60 % water	40 % mud
Rec.	Feet Of	DEC 14	—	80 % water	20 % mud
Rec. 240'	Feet Of	MW	—	80 % water	20 % mud
Rec.	Feet Of	CONFIDENTIAL	—	80 % water	20 % mud

BHT	124°	°F Gravity		°API @		°F Corrected Gravity		°API
RW	-32	@ 51°	°F	Chlorides	29,000	ppm Recovery	Chlorides	1,000
								ppm System
(A) Initial Hydrostatic Mud	2253	PSI	AK1 Recorder No.	13309	Range	4700		
(B) First Initial Flow Pressure	20	PSI	@ (depth)	4735	w/Clock No.	25810		
(C) First Final Flow Pressure	52	PSI	AK1 Recorder No.	13339	Range	4025		
(D) Initial Shut-In Pressure	1090	PSI	@ (depth)	4803	w/Clock No.	27566		
(E) Second Initial Flow Pressure	93	PSI	AK1 Recorder No.		Range			
(F) Second Final Flow Pressure	124	PSI	@ (depth)		w/Clock No.			
(G) Final Shut-In Pressure	1070	PSI	Initial Opening	30	Test	550.00		
(H) Final Hydrostatic Mud	2213	PSI	Initial Shut-In	30	Jars	X 200.00		

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By	<i>[Signature]</i>	Final Flow	60	Safety Joint	X 50.00
Our Representative	Rod Steinbrink	Final Shut-In	90	Straddle	
				Circ. Sub	X N/C
				Sampler	X 200.00
				Extra Packer	
				Other	

TRILOBITE TESTING, L.L.C.

RELEASED

P.O. Box 362 • Hays, Kansas 67601

FEB 4 1994

Drill-Stem Test Data

Well Name JEAN ANN #24-1 Test No. 2 Date 9/16/92
 Company ENRON OIL & GAS COMPANY Zone MORROW
 Address 20 N BROADWAY #830 OKLAHOMA CITY OK 73102 Elevation 2915
 Co. Rep./Geo. GLEN BROWN Cont. DUKE DRLG RIG #4 Est. Ft. of Pay _____
 Location: Sec. 24 Twp. 21S Rge. 31W Co. FINNEY State KS

Interval Tested 4688-4730 Drill Pipe Size 4.5" XH
 Anchor Length 42 Wt. Pipe I.D. - 2.7 Ft. Run 190
 Top Packer Depth 4683-4688 Drill Collar - 2.25 Ft. Run 60
 Bottom Packer Depth 4730 Mud Wt. 9.1 lb/Gal.
 Total Depth 4808 Viscosity 56 Filtrate 8

Tool Open @ 1:35 AM Initial Blow WEAK SURFACE BLOW STEADY THROUGHOUT
ISI:NO BLOW
 al Blow NO RETURN-FLUSHED TOOL/GOOD SURGE-SURFACE BLOW DIED IN 38 MIN
FSI:NO BLOW

Recovery - Total Feet 20 Flush Tool? YES

Rec. 20 Feet of DRILLING MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

DEC 14

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BHT 121 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 2247.6 PSI AK1 Recorder No. 13309 Range 4700
 (B) First Initial Flow Pressure 19.6 PSI @ (depth) 4693 w / Clock No. 25810
 (C) First Final Flow Pressure 19.6 PSI AK1 Recorder No. 13339 Range 4025
 (D) Initial Shut-in Pressure 480.1 PSI @ (depth) 4698 w / Clock No. 27566
 (E) Second Initial Flow Pressure 32.6 PSI AK1 Recorder No. 13615 Range 4575
 (F) Second Final Flow Pressure 32.6 PSI @ (depth) 4808 w / Clock No. 17640
 (G) Final Shut-in Pressure 880.4 PSI Initial Opening 30 Final Flow 60
 (H) Final Hydrostatic Mud 2182.7 PSI Initial Shut-in 30 Final Shut-in 90

Our Representative ROD STEINBRINK

CHART PAGE

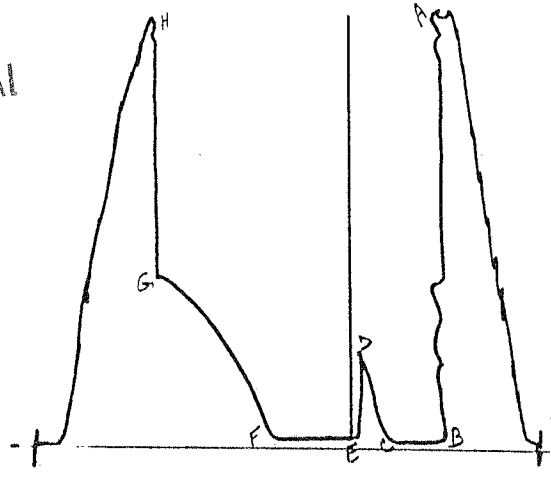
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FROM CONFIDENTIAL

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This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2243	2247.6
(B) FIRST INITIAL FLOW PRESSURE	20	19.6
(C) FIRST FINAL FLOW PRESSURE	20	19.6
(D) INITIAL CLOSED-IN PRESSURE	478	480.1
(E) SECOND INITIAL FLOW PRESSURE	31	32.6
(F) SECOND FINAL FLOW PRESSURE	31	32.6
(G) FINAL CLOSED-IN PRESSURE	879	880.4
(H) FINAL HYDROSTATIC MUD	2183	2182.7

CHART PAGE

DST#2

13615

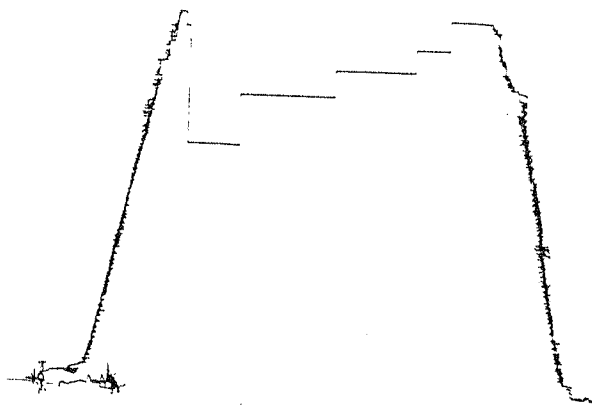
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This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

FLUID SAMPLER DATA

COPY

RELEASED

FEB 4 1994

Ticket No.: 5256

Date: 9/19/92

FROM CONFIDENTIAL

Company: ENRON OIL & GAS COMPANY

Lease: JEAN ANN #24-1

Test No.: 2

County: FINNEY

Sec.: 24

Twp.: 21S

Rng.: 31W

SAMPLER RECOVERY

Gas

il

Mud 4000

Water

Other

Pressure 10

TOTAL 4000

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 1000

Resistivity ohms@ F

Viscosity 56

Mud Wt. 9.1

Filtrate 8

Other

PIPE RECOVERY

TOP

Resistivity ohms@ F

Chlorides ppm

MIDDLE

Resistivity ohms@ F

Chlorides ppm

BOTTOM

Resistivity ohms@ F

Chlorides ppm

DEC 1 4
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TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

RELEASED

COPY

Test Ticket

FEB 4 1994 5256

FROM CONFIDENTIAL

Well Name & No. Jean Ann #24-1 Test No. 2 Date 9-19-92
 Company Enron Oil & Gas Company Zone Tested Morrow
 Address 20N. Broadway Suite 830 Okla. City, OK 73102 Elevation 2915 (KB)
 Co. Rep./Geo. Glen Brown cont. Duke #4 Est. Ft. of Pay _____
 Location: Sec. 24 Twp. 21 S Rge. 31 W co. Finney State KS
 No. of Copies 4 Distribution Sheet X Yes _____ No Turnkey _____ Yes X No _____ Evaluation _____

Interval Tested 43688 - 43730 Drill Pipe Size 4 1/2" XH
 Anchor Length 42' Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 43683 - 43688 Hole Size — 77/8" _____ Rubber Size — 63/4" _____
 Bottom Packer Depth 43730 Wt. Pipe I.D. — 2.7 Ft. Run 190'
 Total Depth (LTD) 43808 Drill Collar — 2.25 Ft. Run 60'
 Mud Wt. 9.1 lb/gal. Viscosity 56 Filtrate 8.0
 Tool Open @ 1:35 am (CDT) Initial Blow Weak surface blow steady throughout.
ISI: No blow.

Final Blow No return - Flushed tool / good surge - Surface blow died in 38 mins
FSI: No blow.

Recovery — Total Feet 20' Feet of Gas in Pipe _____ Flush Tool? YES

Rec.	Feet Of	% gas	% oil	% water	% mud
Rec. <u>20'</u>	Feet Of <u>Drilg. Mud</u>	% gas	% oil	% water	% mud
Rec. _____	Feet Of <u>DEC 1 4</u>	% gas	% oil	% water	% mud
Rec. _____	Feet Of _____	% gas	% oil	% water	% mud
Rec. _____	Feet Of _____	% gas	% oil	% water	% mud

BHT 121° °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1,000 ppm System

(A) Initial Hydrostatic Mud 2243 PSI Ak1 Recorder No. 13309 Range 4700
 (B) First Initial Flow Pressure 20 PSI @ (depth) 4693 w/Clock No. 25810
 (C) First Final Flow Pressure 20 PSI AK1 Recorder No. 13339 Range 4025
 (D) Initial Shut-In Pressure 478 PSI @ (depth) 4698 w/Clock No. 27566
 (E) Second Initial Flow Pressure 31 PSI AK1 Recorder No. 13615 Range 4575
 (F) Second Final Flow Pressure 31 PSI @ (depth) 4808 w/Clock No. 17640
 (G) Final Shut-In Pressure 879 PSI Initial Opening 30 Test 550.00
 (H) Final Hydrostatic Mud 2183 PSI Initial Shut-In 30 Jars X 200.00

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 60 Safety Joint X 50.00
 Final Shut-In 90 Straddle X 250.00

Approved By [Signature]
 Our Representative Rod Steinbrink

DEC 1 6 1992
 CONSERVATION DIVISION
 Wichita, Kansas

Circ. Sub X N/C
 Sampler X 200.00
 Extra Packer X 150.00
 Other _____
 TOTAL PRICE \$ 1400.00