

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name GARDEN CITY "A" #1-34 Test No. 1 Date 9/14/93
Company HARRIS OIL & GAS Zone LANSING "H"
Address 410 17th ST #2310 DENVER CO Elevation 2970 KB
Co. Rep./Geo. HAROLD FIAWLI Cont. ALLEN RIG #5 Est. Ft. of Pay 6
Location: Sec. 34 Twp. 23S Rge. 34W Co. FINNEY State KS

Interval Tested 4035-4045 Drill Pipe Size 4.5" XH
Anchor Length 10 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 4030 Drill Collar - 2.25 Ft. Run 494
Bottom Packer Depth 4035 Mud Wt. 9.3 lb/Gal
Total Depth 4045 Viscosity 36 Filtrate 13.6

Tool Open @ 2:42 AM Initial Blow GOOD BLOW OFF BOTTOM IN 8 MINUTES

Final Blow SURFACE TO BOTTOM IN 12 MINUTES
NO BLOW ON FINAL SHUTIN

Recovery - Total Feet 1051 Flush Tool? NO

Rec. 45 Feet of OIL
Rec. 1006 Feet of SULFUR WATER
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 100 °F Gravity 30 °API @ 75 °F Corrected Gravity 28.5 °API
RW 0.27 @ 75 °F Chlorides 27000 ppm Recovery Chlorides 4100 ppm System

(A) Initial Hydrostatic Mud 1963.1 PSI AK1 Recorder No. 13304 Range 4700

(B) First Initial Flow Pressure 60.1 PSI @ (depth) 4040 w / Clock No. 27566

(C) First Final Flow Pressure 281.3 PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure 1102.3 PSI @ (depth) 4037 w / Clock No. 17652

(E) Second Initial Flow Pressure 304.3 PSI AK1 Recorder No. _____ Range _____

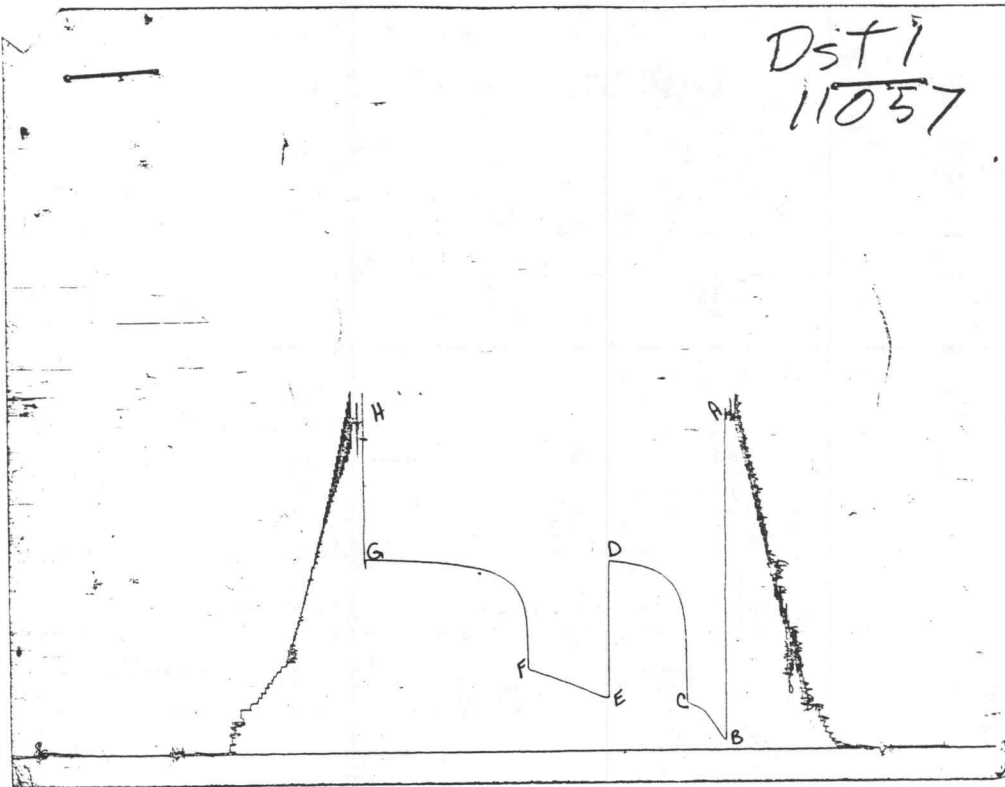
(F) Second Final Flow Pressure 471.3 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1120.3 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 1930.6 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative MARK HERSKOWITZ

CHART PAGE



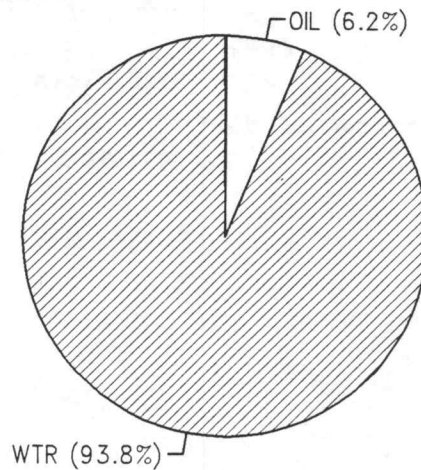
This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1959	1963.1
(B) FIRST INITIAL FLOW PRESSURE	56	60.1
(C) FIRST FINAL FLOW PRESSURE	280	281.3
(D) INITIAL CLOSED-IN PRESSURE	1096	1102.3
(E) SECOND INITIAL FLOW PRESSURE	302	304.3
(F) SECOND FINAL FLOW PRESSURE	470	471.3
(G) FINAL CLOSED-IN PRESSURE	1118	1120.3
(H) FINAL HYDROSTATIC MUD	1926	1930.6

CALCULATED RECOVERY ANALYSIS

DST	1				TICKET #	5761				
SAMPLE	TOTAL	GAS		OIL			WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET	
DRILL 1	45	0	0	100	45	0	0	0	0	
PIPE 2	512	0	0	0	0	100	512	0	0	
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	494	0	0	0	0	100	494	0	0	
COLLAR 2			0		0		0		0	
3			0		0		0		0	
4			0		0		0		0	
5			0		0		0		0	
TOTAL	1051		0		45		1006		0	

			HRS OPEN	BBL/DAY
BBL OIL=	0.6399	*	1.5	10.2384
BBL WATER=	9.6963	*		155.1408
BBL MUD=	0			
BBL GAS =	0			



FLUID SAMPLER DATA

Ticket No.: 5761

Date: 9/14/93

Company: HARRIS OIL & GAS

Lease: GARDEN CITY "A" #1-34

Test No.: 1

County: FINNEY

Sec.: 34

Twp.: 23S

Rng.: 34W

SAMPLER RECOVERY

Gas 0.1

Oil 225

Mud

Water 3750

Other

Pressure 225

TOTAL 4000

SAMPLER ANALYSIS

Resistivity 0.27 ohms@ 75 F

Chlorides 27000 ppm.

Gravity 28.5 corrected @60F

PIT MUD ANALYSIS

Chlorides 4100

Resistivity ohms@ F

Viscosity 36

Mud Wt. 9.3

Filtrate 13.6

Other

PIPE RECOVERY

TOP

Resistivity ohms@ F

Chlorides ppm

MIDDLE

Resistivity 0.28 ohms@ 78 F

Chlorides 25000 ppm

BOTTOM

Resistivity 0.27 ohms@ 75 F

Chlorides 27000 ppm

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 5761 Date 9-14-83
Company Name HARRIS OIL & GAS
Lease GARDENCITY 'A' 1-34 Test No. 1
County FINNEY KS Sec. 34 Twp. 23S Rng. 34W

SAMPLER RECOVERY

Gas 0.10 CF
Oil 225 ML
Mud — ML
Water 3750 ML
Other — ML
Pressure 225 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 4100 ppm.
Resistivity — ohms @ — F
Viscosity 36
Mud Weight 9.3 LCM —
Filtrate 13.6 PH 9.5
Other P.V. 10 Y.P.C
GEL STRENGTH 3/9

SAMPLER ANALYSIS

Resistivity 0.27 ohms @ 75 F
Chlorides 27000 ppm.
Gravity — corrected @ 60 F

PIPE RECOVERY

Gravity
TOP
Resistivity 30 ohms @ 75 F
CORRECTED Gravity
Chlorides 28.5 ppm.

MIDDLE

Resistivity 0.28 ohms @ 78 F
Chlorides 25000 ppm.

TR OF OIL

BOTTOM

Resistivity 0.27 ohms @ 75 F
Chlorides 27000 ppm.

TR OF OIL

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 5761

Well Name & No.	GARDEN CITY A' 1-34	Test No.	1	Date	9-14-93
Company	HARRIS OIL & GAS	Zone Tested	"LAN" H		
Address	410 17 th ST E 2310 DENVER CO.	Elevation	2970 KB		
Co. Rep./	Harold Fawli	Cont.	ALLEN Rig 5	Est. Ft. of Pay	6
Location: Sec.	34	Twp.	23 S	Rge.	34 W
			Co.	FINNEY	State KS
No. of Copies	18	Distribution Sheet	Yes	No	Turnkey Yes No Evaluation

Interval Tested	4035 - 4045	Drill Pipe Size	4 1/2 X H
Anchor Length	10	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	4030	Hole Size — 77/8"	Rubber Size — 63/4"
Bottom Packer Depth	4035	Wt. Pipe I.D. — 2.7 Ft. Run	
Total Depth	4045	Drill Collar — 2.25 Ft. Run	494
Mud Wt.	9.3	Viscosity	36
	10M -	Filtrate	13.5
Tool Open @	2:42 AM	Initial Blow	Good Blow OFF BOTTOM IN 8 MIN.

Final Blow SUR TO BOTTOM IN 12 MIN
NO BLOW ON FINAL SHUT-IN

Recovery — Total Feet	1051	Feet of Gas in Pipe	—	Flush Tool?	—
Rec.	45	Feet Of	0.1	% gas	100% oil
Rec.	1004	Feet Of	SIL WATER TR FOL	% gas	TR
Rec.		Feet Of		% oil	100% water
Rec.		Feet Of		% water	% mud
Rec.		Feet Of		% gas	% oil
Rec.		Feet Of		% water	% mud

BHT 100 °F Gravity 30 °API @ 75 °F Corrected Gravity 28.5 °API
RW 0.27 @ 75 °F Chlorides 27000 ppm-Recovery Chlorides 4100 ppm System

(A) Initial Hydrostatic Mud	1954	PSI	AK1 Recorder No.	13304	Range	4700
(B) First Initial Flow Pressure	55	PSI	@ (depth)	4040	w/Clock No.	27566
(C) First Final Flow Pressure	280	PSI	AK1 Recorder No.	11057	Range	4500
(D) Initial Shut-In Pressure	1094	PSI	@ (depth)	4037	w/Clock No.	17652
(E) Second Initial Flow Pressure	302	PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	470	PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	1118	PSI	Initial Opening	30	Test	✓ 600
(H) Final Hydrostatic Mud	1926	PSI	Initial Shut-In	60	Jars	✓ 200

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Final Flow	60	Safety Joint	✓ 60
Final Shut-In	120	Straddle	✓
		Circ. Sub	✓ N/C
		Sampler	✓ 200

Approved By [Signature]
Our Representative [Signature]

Printcraft Printers - Hays, KS

TOTAL PRICE \$ 1050.00

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name GARDEN CITY "A" #1-34 Test No. 2 Date 9/16/93
Company HARRIS OIL & GAS Zone MARM "A-B"
Address 410 17th ST #2310 DENVER CO Elevation 2970 KB
Co. Rep./Geo. HAROLD FIAWLI Cont. ALLEN RIG #5 Est. Ft. of Pay 5
Location: Sec. 34 Twp. 23S Rge. 34W Co. FINNEY State KS

Interval Tested 4297-4319 Drill Pipe Size 4.5" XH
Anchor Length 22 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 4292-4297 Drill Collar - 2.25 Ft. Run 153
Bottom Packer Depth 4319 Mud Wt. 9.3 lb/Gal.
Total Depth 4375 Viscosity 40 Filtrate 14.4

Tool Open @ 11:17 AM Initial Blow WEAK SURFACE BLOW FOR 5 MINUTES-NO BLOW FOR 25 MINUTES

Final Blow NO BLOW - FLUSHED TOOL - NO BLOW

Recovery - Total Feet 20 Flush Tool? YES

Rec. 20 Feet of SLIGHTLY OIL CUT MUD-3% OIL/ 97% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 114 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6200 ppm System

(A) Initial Hydrostatic Mud 1963.1 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 32.6 PSI @ (depth) 4295 w / Clock No. 17652

(C) First Final Flow Pressure 32.6 PSI AK1 Recorder No. 13308 Range 4700

(D) Initial Shut-in Pressure 800.5 PSI @ (depth) 4302 w / Clock No. 27566

(E) Second Initial Flow Pressure 43.6 PSI AK1 Recorder No. 2023 Range 4000

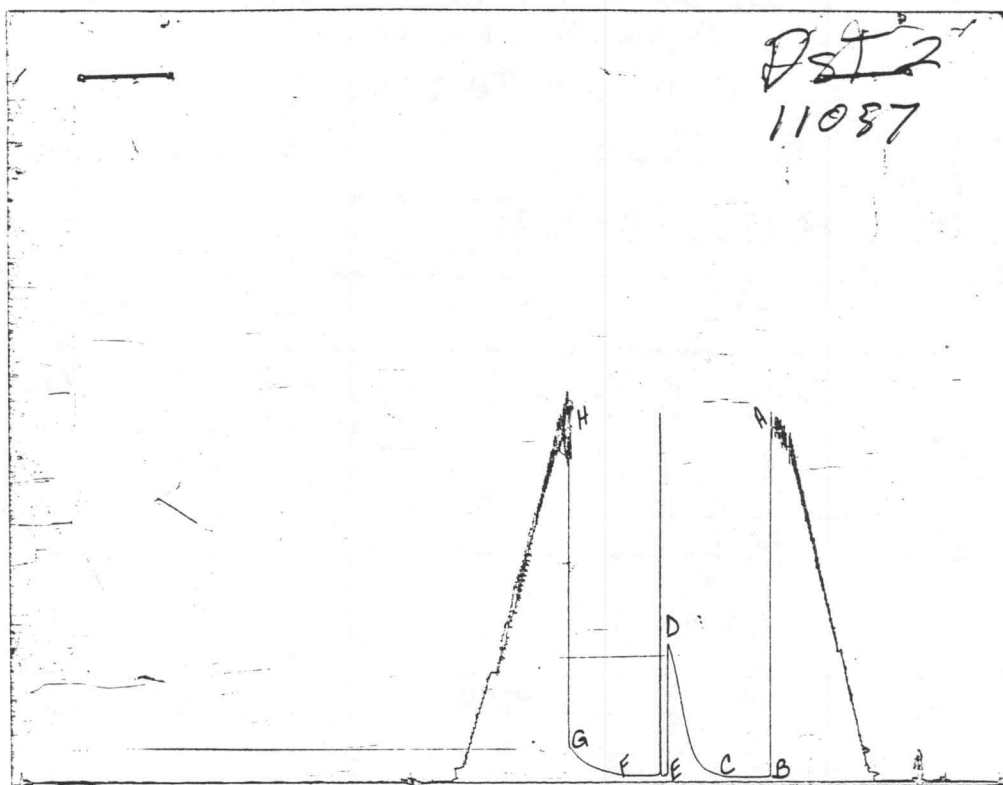
(F) Second Final Flow Pressure 43.6 PSI @ (depth) 4334 w / Clock No. 7452

(G) Final Shut-in Pressure 190.4 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1944.6 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative MARK HERSKOWITZ

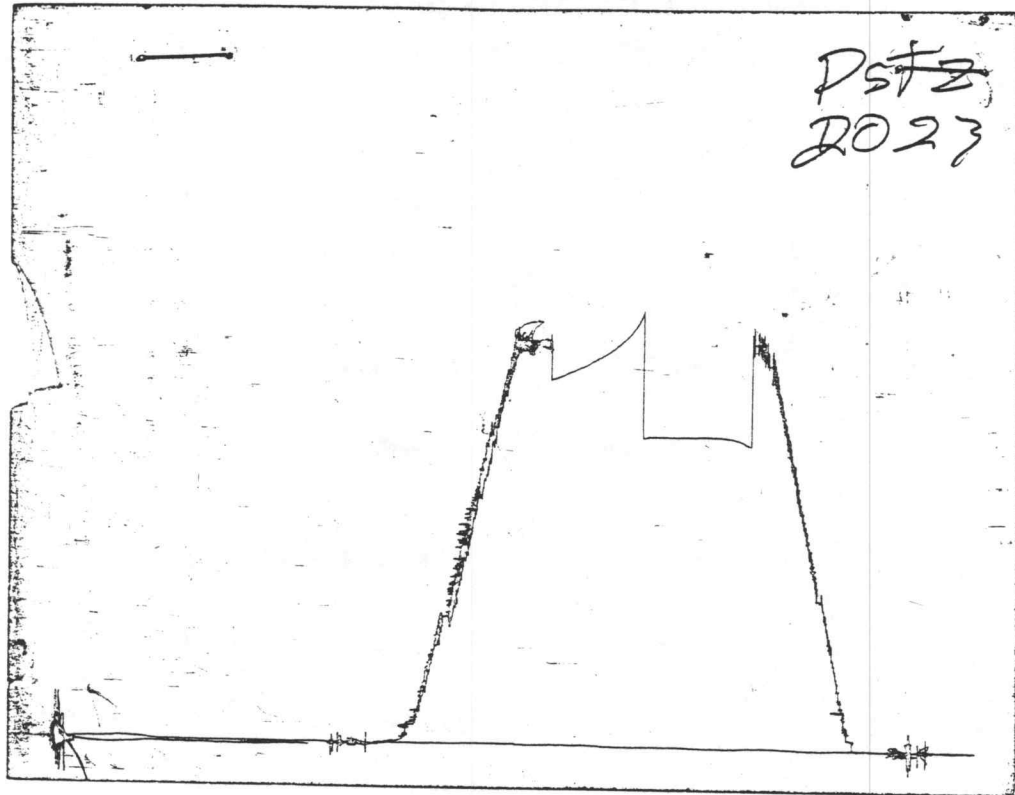
CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1970	1963.1
(B) FIRST INITIAL FLOW PRESSURE	33	32.6
(C) FIRST FINAL FLOW PRESSURE	33	32.6
(D) INITIAL CLOSED-IN PRESSURE	794	800.5
(E) SECOND INITIAL FLOW PRESSURE	44	43.6
(F) SECOND FINAL FLOW PRESSURE	44	43.6
(G) FINAL CLOSED-IN PRESSURE	190	190.4
(H) FINAL HYDROSTATIC MUD	1948	1944.6

CHART PAGE



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

Ticket No.: 5762

Date: 9/16/93

Company: HARRIS OIL & GAS

Lease: GARDEN CITY "A" #1-34

Test No.:

County: FINNEY

Sec.: 34

Twp.: 23S

Rng.: 34W

SAMPLER RECOVERY

Gas 0
Oil 75
Mud 3925
Water
Other
Pressure 30
TOTAL 4000

PIT MUD ANALYSIS

Chlorides 6200
Resistivity ohms@ F
Viscosity 40
Mud Wt. 9.3
Filtrate 14.4
Other

SAMPLER ANALYSIS

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

PIPE RECOVERY

TOP

Resistivity ohms@ F
Chlorides ppm

MIDDLE

Resistivity ohms@ F
Chlorides ppm

BOTTOM

Resistivity ohms@ F
Chlorides ppm

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 5762 Date 9-16-93
Company Name HARRIS Oil & Gas
Lease GARDEN City 'A' 1-34 Test No. 2
County FINNEY KS Sec. 34 Twp. 23 Rng. 34W

SAMPLER RECOVERY

Gas 0 CF ~~ML~~
Oil 75 ML
Mud 3925 ML
Water — ML
Other — ML
Pressure 30 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 6200 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 40
Mud Weight 9.3 LCM 2nd
Filtrate 14.2 PH 9.5
Other P.V. 10 Y.P. 6
GEL STRENGTH 3/9

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
~~Chlorides~~ SOIL C Mud ppm.
~~Gravimetric~~
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
~~Chlorides~~ SOIL C Mud ppm.
3 % Oil 97% Mud
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 5762

Well Name & No.	GARDEN CITY A' 1-34		Test No.	2	Date	9-18-93
Company	HARRIS OIL & GAS		Zone Tested	MABATOM (A+B)		
Address	410 17 th STE 2010 DENVER CO		Elevation	2970 X13		
Co. Rep.	Harold Fawcett	Cont.	ALLER RIG 5	Est. Ft. of Pay	5	
Location: Sec.	34	Twp.	235	Rge.	344	Co. FINNEY State KS
No. of Copies	18	Distribution Sheet	Yes	No	Turnkey	Yes No Evaluation

Interval Tested	4297 4319	Drill Pipe Size	4 1/2 X H
Anchor Length	23 T.P.P.E 56	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	4292-4297	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	4319	Wt. Pipe I.D. — 2.7 Ft. Run	
Total Depth	4375	Drill Collar — 2.25 Ft. Run	153
Mud Wt.	9.3 - LCM 2 lb/gal.	Viscosity	40
Tool Open @	11:17 AM	Filtrate	14.4
Initial Blow	WEAK SUR FOR 5 MIN NO BLOW 25 MIN		

Final Blow No Blow Flush Tool No Blow

Recovery — Total Feet	20	Feet of Gas in Pipe	—	Flush Tool?	12:37 PM
Rec.	20	Feet Of	S.Oil c Mud	%gas	3 %Oil %water 97 %mud
Rec.		Feet Of		%gas	%Oil %water %mud
Rec.		Feet Of		%gas	%Oil %water %mud
Rec.		Feet Of		%gas	%Oil %water %mud
Rec.		Feet Of		%gas	%Oil %water %mud

BHT 114 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 6200 ppm System

(A) Initial Hydrostatic Mud	1970	PSI	AK1 Recorder No.	11057	Range	4500
(B) First Initial Flow Pressure	33	PSI	@ (depth)	4295	w/Clock No.	1705
(C) First Final Flow Pressure	33	PSI	AK1 Recorder No.	13308	Range	4700
(D) Initial Shut-In Pressure	794	PSI	@ (depth)	4302	w/Clock No.	27566
(E) Second Initial Flow Pressure	44	PSI	AK1 Recorder No.	2023	Range	4000
(F) Second Final Flow Pressure	44	PSI	@ (depth)	4334	w/Clock No.	7452
(G) Final Shut-In Pressure	190	PSI	Initial Opening	30	Test	600
(H) Final Hydrostatic Mud	1948	PSI	Initial Shut-In	45	Jars	200

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Final Flow	30	Safety Joint	50
Final Shut-In	45	Straddle	250
		Circ. Sub	NC
		Sampler	200
		Extra Packer	150
		Other	

Approved By B. A. Kazarek

Our Representative Mark Hershberg

Printcraft Printers - Hays, KS

TOTAL PRICE \$ 1450.00

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name GARDEN CITY "A" #1-34 Test No. 3 Date 9/17/93
Company HARRIS OIL & GAS Zone MORROW
Address 410 17th ST #2310 DENVER CO Elevation 2970 KB
Co. Rep./Geo. HAROLD FIAWLI Cont. ALLEN RIG #5 Est. Ft. of Pay 11
Location: Sec. 34 Twp. 23S Rge. 34W Co. FINNEY State KS

Interval Tested 4614-4660 Drill Pipe Size 4.5" XH
Anchor Length 46 Wt. Pipe I.D. - 2.7 Ft. Run
Top Packer Depth 4609 Drill Collar - 2.25 Ft. Run 184
Bottom Packer Depth 4614 Mud Wt. 9.1 lb/Gal
Total Depth 4660 Viscosity 40 Filtrate 8.8

Tool Open @ 7:35 PM Initial Blow SURFACE BLOW TO 9" IN 30 MINUTES

Final Blow GOOD BLOW - OFF BOTTOM IN 27 MINUTES

Recovery - Total Feet 90 Flush Tool? NO

Rec. 466 Feet of GAS IN PIPE
Rec. 90 Feet of SLTLY GASSY MUD CUT OIL-5% GAS/ 75% OIL/ 20% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 108 °F Gravity 34 °API @ 80 °F Corrected Gravity 32 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 3700 ppm System

(A) Initial Hydrostatic Mud 2223.6 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 43.6 PSI @ (depth) 4620 w / Clock No. 17652

(C) First Final Flow Pressure 60.1 PSI AK1 Recorder No. 11057 Range 4500

(D) Initial Shut-in Pressure 1175.8 PSI @ (depth) 4655 w / Clock No. 27566

(E) Second Initial Flow Pressure 70.1 PSI AK1 Recorder No. _____ Range _____

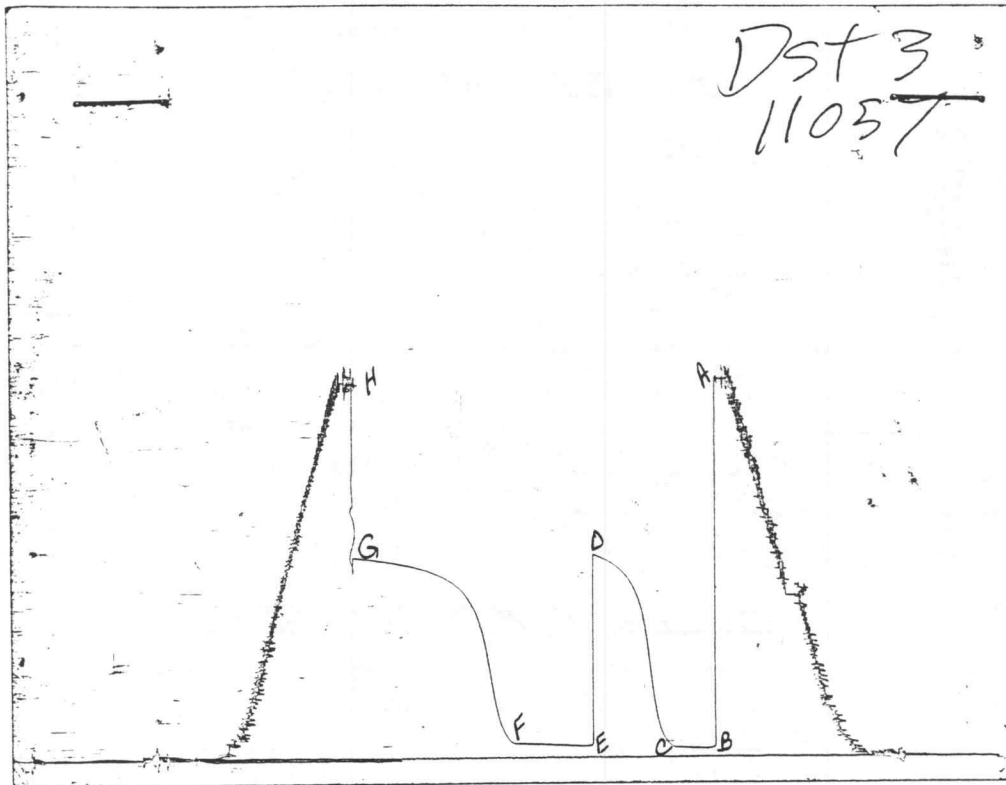
(F) Second Final Flow Pressure 81.2 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1174.7 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2122.3 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative MARK HERSKOWITZ

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2219	2223.6
(B) FIRST INITIAL FLOW PRESSURE	44	43.6
(C) FIRST FINAL FLOW PRESSURE	56	60.1
(D) INITIAL CLOSED-IN PRESSURE	1174	1175.8
(E) SECOND INITIAL FLOW PRESSURE	67	70.1
(F) SECOND FINAL FLOW PRESSURE	78	81.2
(G) FINAL CLOSED-IN PRESSURE	1174	1174.7
(H) FINAL HYDROSTATIC MUD	2124	2122.3

DST #

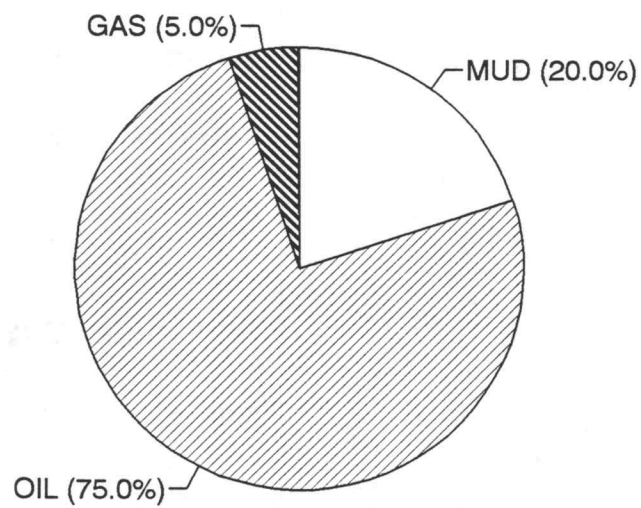
3

TICKET

5763

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	90	5	4.5	75	67.5	0	0	20	18
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	90	5.00	4.5	75.00	67.5	0.00	0	20	18

			HRS OP	BBL/DAY
BBL OIL=	0.330075	*	1.5	5.2812
BBL WATER=	0	*		0
BBL MUD=	0.08802			
BBL GAS=	0.022005			



MUD
OIL
GAS
WTR

FLUID SAMPLER DATA

Ticket No.: 5763 Date: 9/17/93

Company: HARRIS OIL & GAS

Lease: GARDEN CITY "A" #1-34 Test No.: 3

County: FINNEY Sec.: 34 Twp.: 23S Rng.: 34W

SAMPLER RECOVERY

Gas .20 CU FT

Oil 2800

Mud 1200

Water

Other

Pressure 350

TOTAL 4000

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides 32 ppm.

Gravity 32 corrected @60F

PIT MUD ANALYSIS

Chlorides 3700

Resistivity ohms@ F

Viscosity 40

Mud Wt. 9.1

Filtrate 8.8

Other

PIPE RECOVERY

TOP

Resistivity ohms@ F

Chlorides ppm

MIDDLE

Resistivity ohms@ F

Chlorides ppm

BOTTOM

Resistivity ohms@ F

Chlorides ppm

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 5763 Date 9-17-95
Company Name HARRIS Oil & Gas
Lease GARDEN City 'A' #34 Test No. 3
County FINNEY KS Sec. 34 Twp. 23S Rng. 34W

SAMPLER RECOVERY

Gas .20 CF ML
Oil 2800 ML
Mud 1200 ML
Water — ML
Other — ML
Pressure 350 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides 3700 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 40
Mud Weight 9.1 LCM —
Filtrate 8.8 PH 9.5
Other P.V. 11 V.I.P.C.
GEL STRENGTH 3/9

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
Gravity 32 corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
5 GAS Mud C Oil
5% GAS 20% Mud 75% OIL
MIDDLE
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.
BOTTOM
Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 5763

Well Name & No.	GARDEN CITY 'A' 1-34		Test No.	3	Date	9-17-93
Company	HARRIS OIL & GAS		Zone Tested	MORROW		
Address	410 17 th STE 2010 DENVER		Elevation	2970 KB		
Co. Rep./Geo.	Harold Fiauli	Cont.	ALLEN RID 5	Est. Ft. of Pay	11	
Location: Sec.	34	Twp.	23S	Rge.	34W	Co. FINNEY State KS
No. of Copies	18	Distribution Sheet	Yes	No	Turnkey	Yes No Evaluation

Interval Tested	4614-4660	Drill Pipe Size	4 1/2 XH
Anchor Length	46	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	4609	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	4614	Wt. Pipe I.D. — 2.7 Ft. Run	
Total Depth	4660	Drill Collar — 2.25 Ft. Run	184
Mud Wt.	9.1 lb/cm. —	Viscosity	40
Tool Open @	7:35 PM	Filtrate	8.8
Initial Blow	SAB Blow to 9" IN 30 MIN		

Final Blow Good Blow OFF BOTTOM 27 MIN

Recovery — Total Feet	90	Feet of Gas in Pipe	466	Flush Tool?	
Rec.	90	Feet Of	SGAS Mud COIL 5 %gas 75 %oil	%water	20 %mud
Rec.		Feet Of	%gas	%oil	%water %mud
Rec.		Feet Of	%gas	%oil	%water %mud
Rec.		Feet Of	%gas	%oil	%water %mud
Rec.		Feet Of	%gas	%oil	%water %mud

BHT	108	°F Gravity	34	°API @	80	°F Corrected Gravity	32	°API
RW		@		°F Chlorides		ppm Recovery	Chlorides 3700	ppm System

(A) Initial Hydrostatic Mud	2219	PSI	AK1 Recorder No.	13308	Range	4700
(B) First Initial Flow Pressure	44	PSI	@ (depth)	4620	w/Clock No.	17652
(C) First Final Flow Pressure	55	PSI	AK1 Recorder No.	11057	Range	4500
(D) Initial Shut-In Pressure	1174	PSI	@ (depth)	4655	w/Clock No.	27545
(E) Second Initial Flow Pressure	67	PSI	AK1 Recorder No.		Range	
(F) Second Final Flow Pressure	78	PSI	@ (depth)		w/Clock No.	
(G) Final Shut-In Pressure	1174	PSI	Initial Opening	30	Test	✓
(H) Final Hydrostatic Mud	2174	PSI	Initial Shut-In	60	Jars	✓

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	✓	50
Final Shut-In	120	Straddle		
		Circ. Sub	✓	NC
		Sampler	✓	200
		Extra Packer		
		Other		
		TOTAL PRICE \$	1050.00	

Approved By [Signature]
 Our Representative [Signature]

