TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name BAILEY "C" #3 Test No. 1 Date 1/30/94

Company OXY USA, INC. Zone MARMATON "B"

Address P O BOX 26100 OKLAHOMA CITY OK Elevation 2956

Co. Rep./Geo. B. HOOPER/J. DEAN Cont. BEREDCO DRLG RIG #4 Est. Ft. of Pay 8

Location: Sec. 27 Twp. 22S Rge. 34W Co. FINNEY State KS

Interval Tested 4282-4293 Drill Pipe Size 4.5" XH

Anchor Length 11 Wt. Pipe I.D. - 2.7 Ft. Run

Top Packer Depth 4277 Drill Collar – 2.25 Ft. Run 610

Bottom Packer Depth 4282 Mud Wt. 8.7 lb/Gal.

Total Depth 4293 Viscosity 46 Filtrate 8

Tool Open @ 3:15 AM Initial Blow WEAK TO FAIR BLOW OFF BOTTOM IN 10 MINUTES

ISI: BLED OFF BLOW - NO RETURN

Final Blow FAIR TO STRONG BLOW OFF BOTTOM IN 5 MINUTES

FSI: BLED OFF BLOW - 1/4" SURFACE BLOW STEADY THROUGHOUT

Recovery - Total Feet 300 Flush Tool? NO

Rec. 1050 Feet of GAS IN PIPE

Rec. 180 Feet of CLEAN GASSY OIL- 20% GAS/ 80% OIL

Rec. 120 Feet of GASSY MUD CUT OIL-60%GAS/25%OIL/15%MUD

Rec. Feet of

Rec. Feet of

BHT 104 °F Gravity 38 °API @ 64 °F Corrected Gravity 37.6 °API

RW @ °F Chlorides ppm Recovery Chlorides 2500 ppm System

(A) Initial Hydrostatic Mud 2037.0 PSI AK1 Recorder No. 13309 Range 4700

(B) First Initial Flow Pressure 33.2 PSI @ (depth) 4283 w / Clock No. 22992

(C) First Final Flow Pressure 49.9 PSI AK1 Recorder No. 13339 Range 4025

(D) Initial Shut-in Pressure 446.7 PSI @ (depth) 4288 w / Clock No. 19960

(E) Second Initial Flow Pressure 94.6 PSI AK1 Recorder No. Range

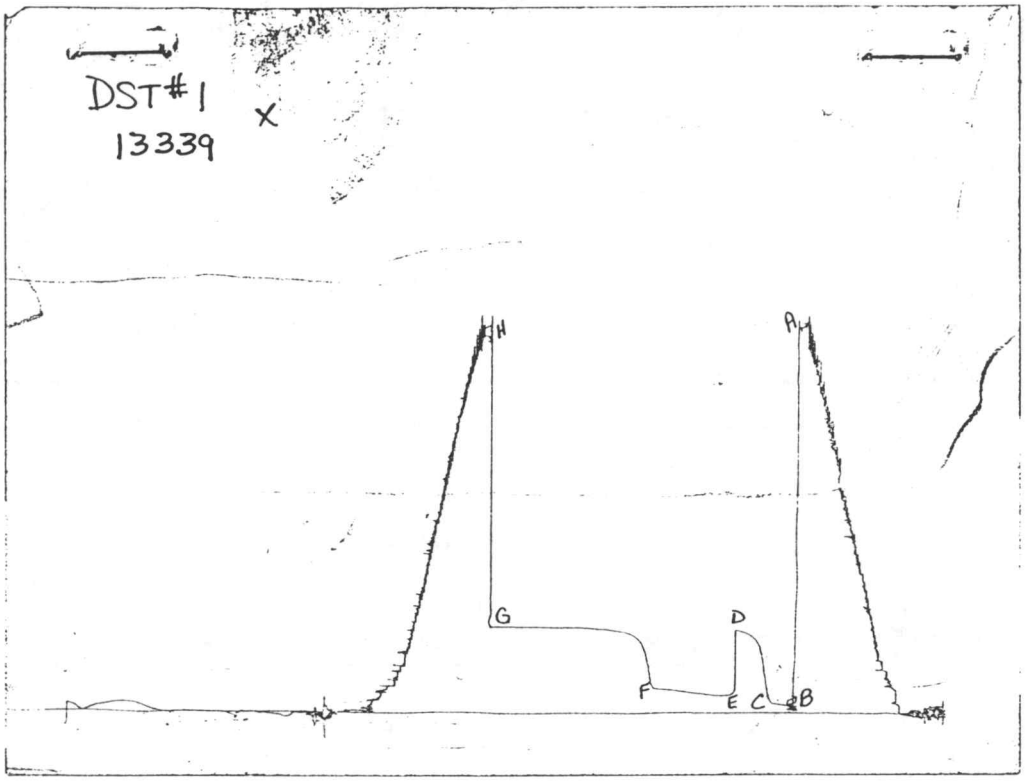
(F) Second Final Flow Pressure 132.1 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 464.3 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 2033.0 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative ROD STEINBRINK

CHART PAGE



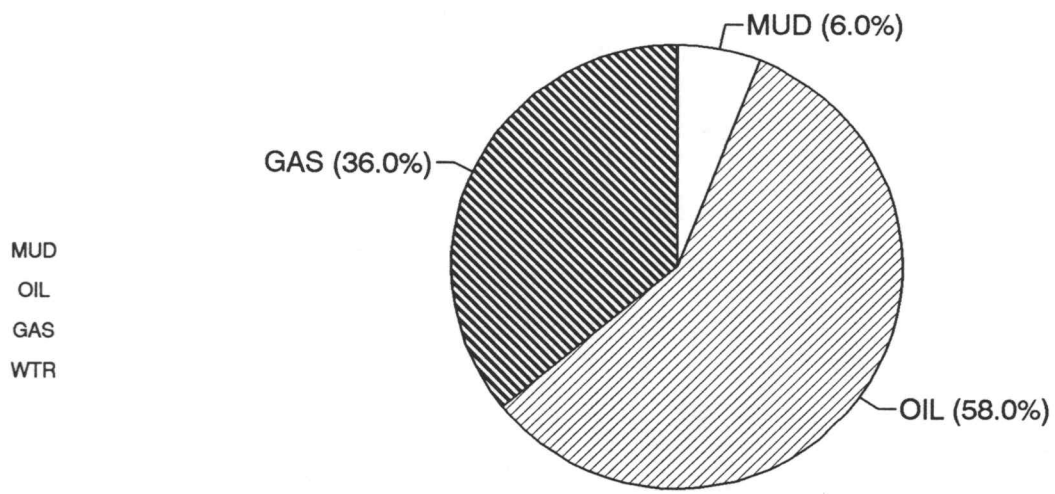
This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2043	2037
(B) FIRST INITIAL FLOW PRESSURE	41	33.2
(C) FIRST FINAL FLOW PRESSURE	52	49.9
(D) INITIAL CLOSED-IN PRESSURE	436	446.7
(E) SECOND INITIAL FLOW PRESSURE	83	94.6
(F) SECOND FINAL FLOW PRESSURE	124	132.1
(G) FINAL CLOSED-IN PRESSURE	467	464.3
(H) FINAL HYDROSTATIC MUD	2023	2033

DST # 1 TICKET 6820

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	180	20	36	80	144	0	0	0	0
2	120	60	72	25	30	0	0	15	18
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	300	36.00	108	58.00	174	0.00	0	6	18

			HRS OP	BBL/DAY
BBL OIL=	0.85086	*	1.25	16.336512
BBL WATER=	0	*		0
BBL MUD=	0.08802			
BBL GAS=	0.52812			



FLUID SAMPLER DATA

Ticket No.: 6820 Date: 1/30/94

Company: OXY USA, INC.

Lease: BAILEY "C" #3 Test No.: 1

County: FINNEY Sec.: 27 Twp.: 22S Rng.: 34W

SAMPLER RECOVERY

Gas 1000

Oil 3000

Mud

Water

Other

Pressure 200

TOTAL 4000

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity 37.6 corrected @60F

PIT MUD ANALYSIS

Chlorides 2500

Resistivity ohms@ F

Viscosity 46

Mud Wt. 8.7

Filtrate 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. 6820 Date 1-30-94

Company Name OXY USA, Inc. Cont. Beredco #4

Lease Bailey 'C' #3 Test No. 1 Marmaton 'B'

County Finney KS. Sec. 27 Twp. 22S Rng. 34W

SAMPLER RECOVERY

Gas 1,000 ML

Oil 3,000 ML

Mud — ML

Water — ML

Other ML

Pressure 200# PSI

Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 2,500 ppm.

Resistivity ohms @ F

Viscosity 46

Mud Weight 8.7

Filtrate 8.0

Other L.C.M. 4#/lb.

SAMPLER ANALYSIS

Resistivity ohms @ F

Chlorides ppm.

Gravity 37.6 corrected @ 60 F

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

Drill-Stem Test Data

Well Name: BAILEY "C" #3 | Test No.: 2 | Date: 1/30/94

Company: OXY USA, INC. | Zone: PAWNEE

Address: P O BOX 26100 OKLAHOMA CITY OK | Elevation: 2956

Co. Rep./Geo.: B. HOOPER/J. DEAN | Cont.: BEREDCO DRLG RIG #4 | Est. Ft. of Pay: 5

Location: Sec.: 27 | Twp.: 22S | Rge.: 34W | Co.: FINNEY | State: KS

Interval Tested: 4344-4377 | Drill Pipe Size: 4.5" XH

Anchor Length: 33 | Wt. Pipe I.D. - 2.7 Ft. Run:

Top Packer Depth: 4339 | Drill Collar – 2.25 Ft. Run: 610

Bottom Packer Depth: 4344 | Mud Wt.: 8.6 lb/Gal.

Total Depth: 4377 | Viscosity: 47 | Filtrate: 7.2

Tool Open @: 10:22 PM | Initial Blow: FAIR TO STRONG BLOW OFF BOTTOM IN 3 MINUTES

ISI: BLED OFF BLOW - SURFACE RETURN STEADY THROUGHOUT

Final Blow: WEAK TO FAIR BLOW OFF BOTTOM IN 5 MINUTES

FSI: BLED OFF BLOW - SURFACE RETURN DIED IN 30 MINUTES

Recovery - Total Feet: 2760 | Flush Tool?: NO

Rec. 30 | Feet of: MUD CUT WATER- 95% WTR/ 5% MUD

Rec. 2730 | Feet of: WATER

Rec. | Feet of

Rec. | Feet of

Rec. | Feet of

BHT: 106 °F | Gravity: °API | @ °F Corrected Gravity °API

RW: 0.16 | @: 68 °F | Chlorides: 49000 ppm Recovery | Chlorides: 2800 ppm System

(A) Initial Hydrostatic Mud: 2078.1 PSI | AK1 Recorder No.: 13309 | Range: 4700

(B) First Initial Flow Pressure: 141.3 PSI | @ (depth): 4367 | w / Clock No.: 22992

(C) First Final Flow Pressure: 459.1 PSI | AK1 Recorder No.: 13339 | Range: 4025

(D) Initial Shut-in Pressure: 1174.6 PSI | @ (depth): 4372 | w / Clock No.: 19960

(E) Second Initial Flow Pressure: 569.2 PSI | AK1 Recorder No.: | Range:

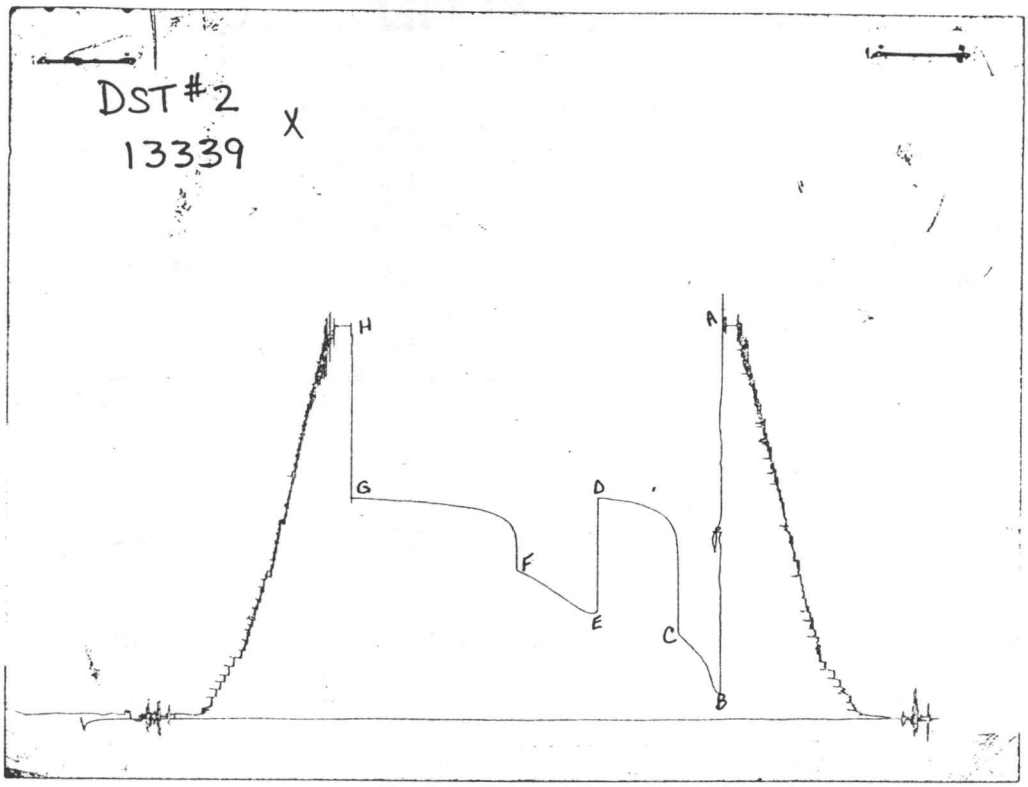
(F) Second Final Flow Pressure: 796.6 PSI | @ (depth): | w / Clock No.:

(G) Final Shut-in Pressure: 1167.6 PSI | Initial Opening: 30 | Final Flow: 60

(H) Final Hydrostatic Mud: 2061.1 PSI | Initial Shut-in: 60 | Final Shut-in: 120

Our Representative: ROD STEINBRINK

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2063	2078.1
(B) FIRST INITIAL FLOW PRESSURE	135	141.3
(C) FIRST FINAL FLOW PRESSURE	447	459.1
(D) INITIAL CLOSED-IN PRESSURE	1170	1174.6
(E) SECOND INITIAL FLOW PRESSURE	559	569.2
(F) SECOND FINAL FLOW PRESSURE	789	796.6
(G) FINAL CLOSED-IN PRESSURE	1170	1167.6
(H) FINAL HYDROSTATIC MUD	2053	2061.1

FLUID SAMPLER DATA

Ticket No.: 6821 **Date:** 1/30/94

Company: OXY USA, INC.

Lease: BAILEY "C" #3 **Test No.:** 2

County: FINNEY **Sec.:** 27 **Twp.:** 22S **Rng.:** 34W

SAMPLER RECOVERY

Gas	
Oil	
Mud	
Water	4000
Other	
Pressure	750
TOTAL	4000

SAMPLER ANALYSIS

Resistivity	0.16	ohms@	68	F
Chlorides	49000			ppm.
Gravity			corrected @60F	

PIT MUD ANALYSIS

Chlorides	2800		
Resistivity		ohms@	F
Viscosity	47		
Mud Wt.	8.6		
Filtrate	7.2		
Other			

PIPE RECOVERY

TOP

Resistivity	0.16	ohms@	65	F
Chlorides	50000			ppm

MIDDLE

Resistivity	0.16	ohms@	70	F
Chlorides	48000			ppm

BOTTOM

Resistivity	0.16	ohms@	68	F
Chlorides	49000			ppm

TRILOBITE TESTING L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 6821 Date 1-30-94

Company Name OXY USA, Inc. Cont. Beredco #4

Lease Bailey 'C' #3 Test No. 2 Pawnee

County Finney KS. Sec. 27 Twp. 22S Rng. 34W

SAMPLER RECOVERY

Gas — ML

Oil — ML

Mud — ML

Water 4,000 ML

Other ML

Pressure 750# PSI

Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 2,800 ppm.

Resistivity ohms @ F

Viscosity 47

Mud Weight 8.6

Filtrate 7.2

Other L.C.M. 4#/bbl

SAMPLER ANALYSIS

Resistivity .16 ohms @ 68° F

Chlorides 49,000 ppm.

Gravity corrected @ 60 F

PIPE RECOVERY

TOP

Resistivity .16 ohms @ 65° F

Chlorides 50,000 ppm.

MIDDLE

Resistivity .16 ohms @ 70° F

Chlorides 48,000 ppm.

BOTTOM

Resistivity .16 ohms @ 68° F

Chlorides 49,000 ppm.

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: BAILEY "C" #3 | Test No.: 3 | Date: 2/1/94

Company: OXY USA, INC. | Zone: ST LOUIS

Address: P O BOX 26100 OKLAHOMA CITY OK | Elevation: 2956

Co. Rep./Geo.: B. HOOPER/J. DEAN | Cont.: BEREDCO DRLG RIG #4 | Est. Ft. of Pay: 10

Location: Sec.: 27 | Twp.: 22S | Rge.: 34W | Co.: FINNEY | State: KS

Interval Tested: 4706-4724 | Drill Pipe Size: 4.5" XH

Anchor Length: 18 | Wt. Pipe I.D. - 2.7 Ft. Run:

Top Packer Depth: 4701 | Drill Collar – 2.25 Ft. Run: 612

Bottom Packer Depth: 4706 | Mud Wt.: 8.9 lb/Gal.

Total Depth: 4724 | Viscosity: 48 | Filtrate: 7.2

Tool Open @: 11:47 AM | Initial Blow: WEAK SURFACE TO 6.5" IN 30 MINUTES
NO BLOW ON INITIAL SHUTIN

Final Blow: OPEN 1" TO BOTTOM IN 31 MINUTES
NO BLOW ON FINAL SHUTIN

Recovery - Total Feet: 100 | Flush Tool?: NO

Rec. 810 | Feet of GAS IN PIPE

Rec. 10 | Feet of CLEAN OIL

Rec. 90 | Feet of OIL CUT MUD-10% OIL/ 90% MUD

Rec. | Feet of

Rec. | Feet of

BHT: 116 °F | Gravity: 29 °API | @ 50 °F | Corrected Gravity: 30 °API

RW: | @ °F | Chlorides: ppm Recovery | Chlorides: 4200 ppm System

(A) Initial Hydrostatic Mud: 2213.7 PSI | AK1 Recorder No.: 11057 | Range: 4500

(B) First Initial Flow Pressure: 38.1 PSI | @ (depth): 4708 | w / Clock No.: 30401

(C) First Final Flow Pressure: 49.3 PSI | AK1 Recorder No.: 11058 | Range: 4500

(D) Initial Shut-in Pressure: 810.2 PSI | @ (depth): 4719 | w / Clock No.: 25108

(E) Second Initial Flow Pressure: 61.6 PSI | AK1 Recorder No.: | Range:

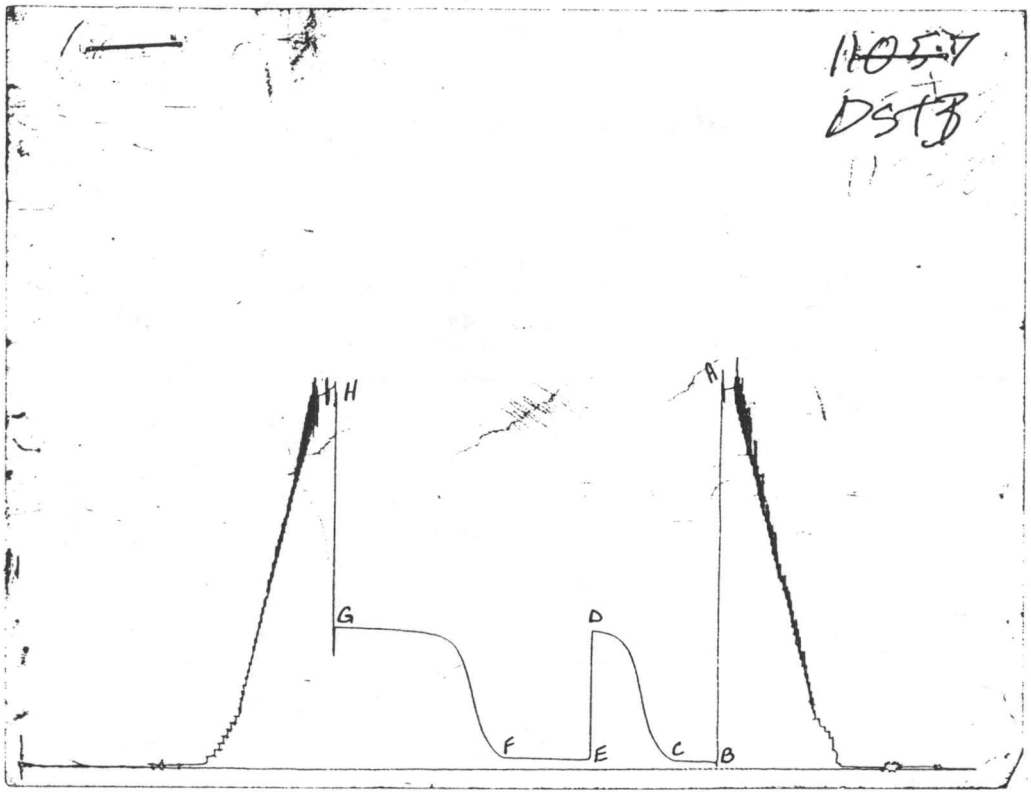
(F) Second Final Flow Pressure: 70.6 PSI | @ (depth): | w / Clock No.:

(G) Final Shut-in Pressure: 827.0 PSI | Initial Opening: 30 | Final Flow: 60

(H) Final Hydrostatic Mud: 2178.7 PSI | Initial Shut-in: 60 | Final Shut-in: 120

Our Representative: MARK HERSKOWITZ

CHART PAGE



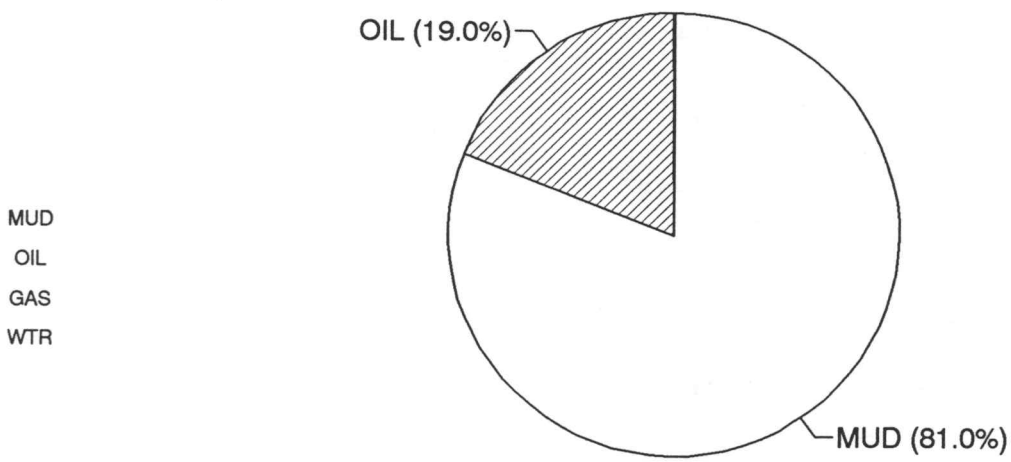
This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2219	2213.7
(B) FIRST INITIAL FLOW PRESSURE	33	38.1
(C) FIRST FINAL FLOW PRESSURE	44	49.3
(D) INITIAL CLOSED-IN PRESSURE	805	810.2
(E) SECOND INITIAL FLOW PRESSURE	56	61.6
(F) SECOND FINAL FLOW PRESSURE	67	70.6
(G) FINAL CLOSED-IN PRESSURE	805	827
(H) FINAL HYDROSTATIC MUD	2196	2178.7

DST # 3 TICKET 6370

SAMPLE #	TOTAL FEET	GAS %	GAS FEET	OIL %	OIL FEET	WATER %	WATER FEET	MUD %	MUD FEET
1	10	0	0	100	10	0	0	0	0
2	90	0	0	10	9	0	0	90	81
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	100	0.00	0	19.00	19	0.00	0	81	81

			HRS OP	BBL/DAY
BBL OIL=	0.09291	*	1.5	1.48656
BBL WATER=	0	*		0
BBL MUD=	0.39609			
BBL GAS=	0			



FLUID SAMPLER DATA

Ticket No.: 6370 **Date:** 2/1/94

Company: OXY USA, INC.

Lease: BAILEY "C" #3 **Test No.:** 3

County: FINNEY **Sec.:** 27 **Twp.:** 22S **Rng.:** 34W

SAMPLER RECOVERY

Gas 0.18 cu f

Oil 3900

Mud

Water

Other

Pressure 183

TOTAL 4000

SAMPLER ANALYSIS

Resistivity **ohms@** **F**

Chlorides **ppm.**

Gravity 30 **corrected @60F**

PIT MUD ANALYSIS

Chlorides 4200

Resistivity **ohms@** **F**

Viscosity 48

Mud Wt. 8.9

Filtrate 7.2

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. 6370 Date 2-1-94

Company Name OXY USA INC

Lease BAILEY C 3# Test No. 3

County FINNEY KS Sec. 27 Twp. 22S Rng. 34W

SAMPLER RECOVERY

Gas 0.18 CF

Oil 3900 ML

Mud — ML

Water — ML

Other — ML

Pressure 183 PSI

Total 4000 ML

PIT MUD ANALYSIS

Chlorides 4200 ppm.

Resistivity _____ ohms @ _____ F

Viscosity 48

Mud Weight 8.9 LCM 3#

Filtrate 7.2 P.H. 10.2

Other P.V 9. Y.P. 10

GEL STRENGTH 6/9

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F

Chlorides 0.1 ppm.

Gravity 30 corrected @ 60 F

PIPE RECOVERY

TOP

Resistivity _____ ohms @ _____ F

Chlorides 0.1 ppm.

MIDDLE

Resistivity — ohms @ — F

Chlorides — ppm.

BOTTOM

Resistivity — ohms @ — F

Chlorides 10% 0.1 90% Mud ppm.