

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name DRUSSELL "A" #2 Test No. 1 Date 7/29/92
Company OXY USA INC Zone MORROW
Address P.O. BOX 26100 OKLAHOMA CITY OK 73126-0100 Elevation 2923
Co. Rep./Geo. STEVE DAVIS Cont. BEREDCO DRLG #1 Est. Ft. of Pay 25
Location: Sec. 27 Twp. 25S Rge. 33W Co. FINNEY State KS

Interval Tested <u>4921-4950</u>	Drill Pipe Size <u>4.5 XH</u>
Anchor Length <u>29</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>607</u>
Top Packer Depth <u>4916</u>	Drill Collar - 2.25 Ft. Run <u>9</u> lb/Gal.
Bottom Packer Depth <u>4921</u>	Mud Wt. <u>50</u> Filtrate <u>8.2</u>
Total Depth <u>4950</u>	

Tool Open @ 6:55 PM Initial Blow WEAK BLOW-DIED IN 8 MINUTES-FLUSHED TOOL GOT SURGE
WEAK BLOW DIED IN 2 MINUTES
Final Blow NO BLOW-FLUSHED TOOL-NO BLOW

Recovery - Total Feet 20 Flush Tool? YES

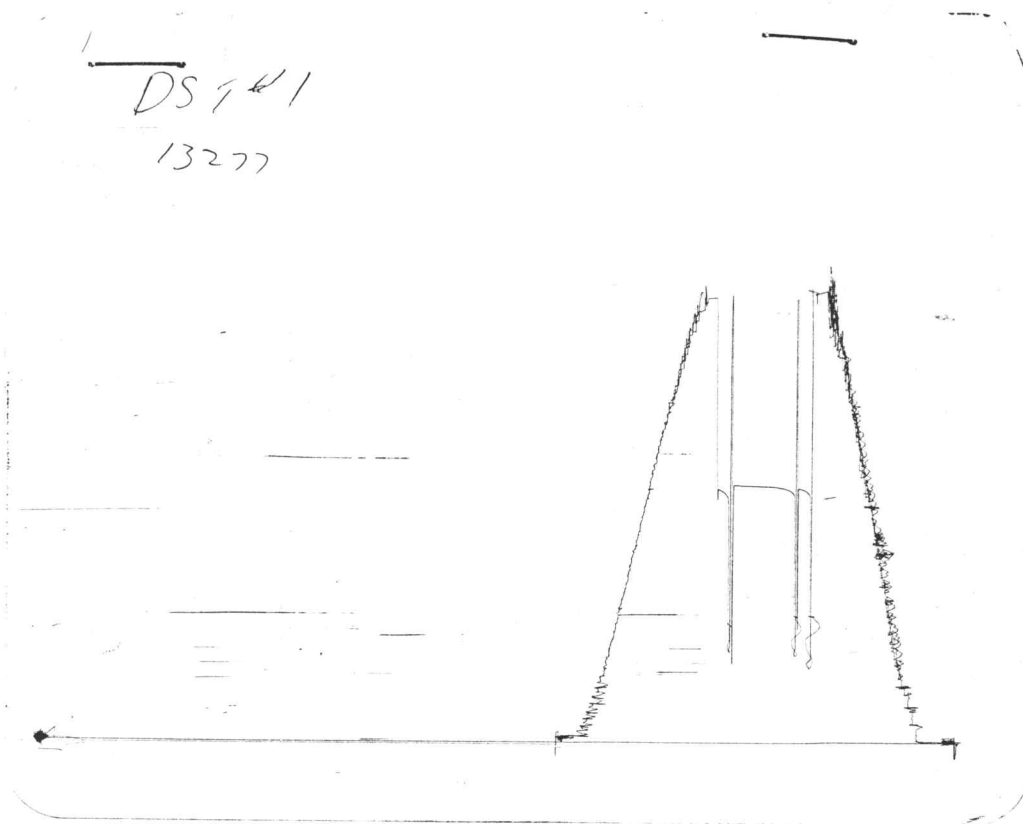
Rec. <u>20</u>	Feet of <u>DRILLING MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 121 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud _____ PSI	AK1 Recorder No. <u>13277</u> Range <u>4125</u>
(B) First Initial Flow Pressure _____ PSI	@ (depth) <u>4925</u> w / Clock No. <u>27594</u>
(C) First Final Flow Pressure _____ PSI	AK1 Recorder No. <u>5495</u> Range <u>4200</u>
(D) Initial Shut-in Pressure _____ PSI	@ (depth) <u>4947</u> w / Clock No. <u>30418</u>
(E) Second Initial Flow Pressure _____ PSI	AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure _____ PSI	@ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure _____ PSI	Initial Opening <u>15</u> Final Flow <u>15</u>
(H) Final Hydrostatic Mud _____ PSI	Initial Shut-in <u>30</u> Final Shut-in _____

Our Representative TOM HORACEK

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.: 5041 Date: 7/29/92
Company: OXY USA INC
Lease: DRUSSELL "A" #2 Test No.: 1
County: FINNEY Sec.: 27 Twp.: 25S Rng.: 33W

SAMPLER RECOVERY

Gas
Oil
Mud 4000
Water
Other
Pressure
TOTAL 4000

PIT MUD ANALYSIS

Chlorides 1400
Resistivity ohms@ F
Viscosity 50
Mud Wt. 9
Filtrate 8.2
Other

PIPE RECOVERY

TOP

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

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. 5041 Date 7-29-92
Company Name Oxy USA Inc.
Lease Drussell A + 2 Test No. #1
County Finney Kc Sec. 27 Twp. 25 Rng. 33

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4000 ML
Water _____ ML
Other _____ ML
Pressure _____ PSI
Total 4000 ML

SAMPLER ANALYSIS

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

PIT MUD ANALYSIS

Chlorides _____ ppm.
Resistivity _____ ohms @ _____ F
Viscosity 50
Mud Weight 9.0
Filtrate 8.2
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.

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Drill-Stem Test Data

Well Name DRUSSELL "A" #2 Test No. 2 Date 7/29/92
Company OXY USA INC Zone MORROW
Address P.O. BOX 26100 OKLAHOMA CITY OK 73126-0100 Elevation 2923
Co. Rep./Geo. STEVE DAVIS Cont. BEREDCO DRLG #1 Est. Ft. of Pay 25
Location: Sec. 27 Twp. 25S Rge. 33W Co. FINNEY State KS

Interval Tested 4921-4950
Anchor Length 29
Top Packer Depth 4916
Bottom Packer Depth 4921
Total Depth 4950

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run 607
Drill Collar - 2.25 Ft. Run 9 lb/Gal.
Mud Wt. 50 Viscosity 8.2 Filtrate

Tool Open @ 12:15 AM Initial Blow STRONG BLOW-BUILT TO BOTTOM OF BUCKET IN 1 MINUTE
ISI: BLED OFF BLOW-WEAK BLOW BUILT TO 8"
Final Blow STRONG BLOW-BUILT TO BOTTOM IN 30 SECONDS
FSI: BLED OFF BLOW-WEAK BLOW-BUILT TO 6"

Recovery - Total Feet 2380 Flush Tool? NO

Rec. 300 Feet of GAS IN PIPE GAS IN PIPE
Rec. 10 Feet of HEAVY OIL CUT WATERY MUD-40%OIL/10%WTR/50%MUD
Rec. 2370 Feet of SALT WATER
Rec. _____ Feet of _____
Rec. _____ Feet of _____

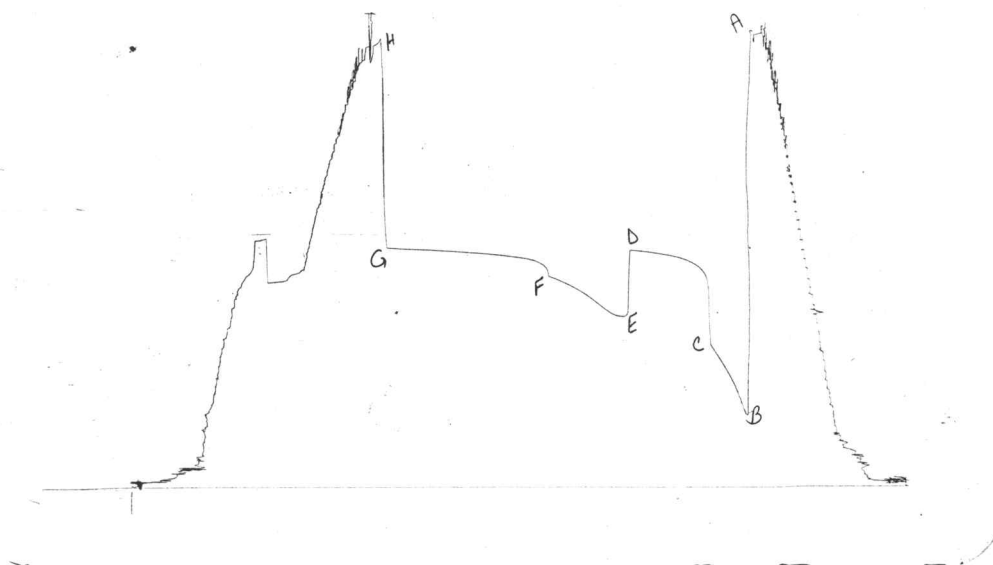
BHT 121 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.31 @ 79 °F Chlorides 19000 ppm Recovery Chlorides 1400 ppm System

(A) Initial Hydrostatic Mud 2435.6 PSI AK1 Recorder No. 13277 Range 4125
(B) First Initial Flow Pressure 402.3 PSI @ (depth) 4925 w / Clock No. 27594
(C) First Final Flow Pressure 766.9 PSI AK1 Recorder No. 5495 Range 4200
(D) Initial Shut-in Pressure 1277.4 PSI @ (depth) 4947 w / Clock No. 30418
(E) Second Initial Flow Pressure 920.5 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 1136.9 PSI @ (depth) _____ w / Clock No. _____
(G) Final Shut-in Pressure 1299.7 PSI Initial Opening 30 Final Flow 60
(H) Final Hydrostatic Mud 2390.8 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative TOM HORACEK

CHART PAGE

DS-22
13277



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2432	2435.6
(B) FIRST INITIAL FLOW PRESSURE	399	402.3
(C) FIRST FINAL FLOW PRESSURE	763	766.9
(D) INITIAL CLOSED-IN PRESSURE	1275	1277.4
(E) SECOND INITIAL FLOW PRESSURE	917	920.5
(F) SECOND FINAL FLOW PRESSURE	1131	1136.9
(G) FINAL CLOSED-IN PRESSURE	1295	1299.7
(H) FINAL HYDROSTATIC MUD	2391	2390.8

FLUID SAMPLER DATA

Ticket No.: 5042

Date: 7/29/92

Company: OXY USA INC

Lease: DRUSSELL "A" #2

Test No.: 2

County: FINNEY

Sec.: 27

Twp.: 25S

Rng.: 33W

SAMPLER RECOVERY

Gas
Oil 100
Mud
Water 3900
Other
Pressure 600
TOTAL 4000

SAMPLER ANALYSIS

Resistivity 0.31 ohms@ 79 F
Chlorides 19000 ppm.
Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 1400
Resistivity ohms@ F
Viscosity 50
Mud Wt. 9
Filtrate 8.2
Other

PIPE RECOVERY

TOP

Resistivity 0.33 ohms@ 79 F
Chlorides 18000 ppm

MIDDLE

Resistivity 0.33 ohms@ 79 F
Chlorides 18000 ppm

BOTTOM

Resistivity 0.31 ohms@ 79 F
Chlorides 19000 ppm

TRILOBITE TESTING COMPANY

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 5042 Date 7-29-92
Company Name Oxy USA Inc.
Lease Drussell A #2 Test No. 42
County Finney Kr. Sec. 27 Twp. 25 Rng. 33

SAMPLER RECOVERY

Gas _____ ML
Oil 100 ML
Mud _____ ML
Water 3900 ML
Other _____ ML
Pressure 600 PSI
Total 4000 ML

PIT MUD ANALYSIS

Chlorides _____ ppm.
Resistivity _____ ohms @ _____ F
Viscosity 50
Mud Weight 9.0
Filtrate 8.2
Other _____

SAMPLER ANALYSIS

Resistivity 1.31 ohms @ 79 F
Chlorides 19000 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 1.33 ohms @ 79 F
Chlorides 18000 ppm.

MIDDLE
Resistivity 1.33 ohms @ 79 F
Chlorides 18,000 ppm.

BOTTOM
Resistivity 1.31 ohms @ 79 F
Chlorides 19,000 ppm.