

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name GARDEN CITY COMPANY #4 Test No. 1 Date 12/21/94
Company OXY USA INC Zone MORROW
Address BOX 261000, OKLAHOMA CITY, OK 73126-0100 Elevation 2952
Co. Rep./Geo. TIM HENDRIX Cont. NORSEMAN DRILLING CO Est. Ft. of Pay _____
Location: Sec. 22 Twp. 23S Rge. 34W Co. FINNEY State KS

Interval Tested	<u>4630-4716</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>86</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4625</u>	Drill Collar - 2.25 Ft. Run	<u>617</u>
Bottom Packer Depth	<u>4650</u>	Mud Wt.	<u>9.0</u> lb/Gal.
Total Depth	<u>4716</u>	Viscosity	<u>44</u> Filtrate <u>8.8</u>

Tool Open @ 5:07AM Initial Blow WEAK BLOW AT OPEN, THEN DIED. FLUSH TOOL - NO HELP.

Final Blow NO BLOW.

Recovery - Total Feet 20 Flush Tool? YES

Rec. <u>20</u>	Feet of	<u>DRILLING MUD. 100% MUD.</u>
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____
Rec. _____	Feet of	_____

BHT 117 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6800 ppm System

(A) Initial Hydrostatic Mud 2209.9 PSI AK1 Recorder No. 11086 Range 4350

(B) First Initial Flow Pressure 59.3 PSI @ (depth) 4711 w / Clock No. 26199

(C) First Final Flow Pressure 59.3 PSI AK1 Recorder No. 6730 Range 4200

(D) Initial Shut-in Pressure 194.0 PSI @ (depth) 4708 w / Clock No. 24119

(E) Second Initial Flow Pressure 70.0 PSI AK1 Recorder No. _____ Range _____

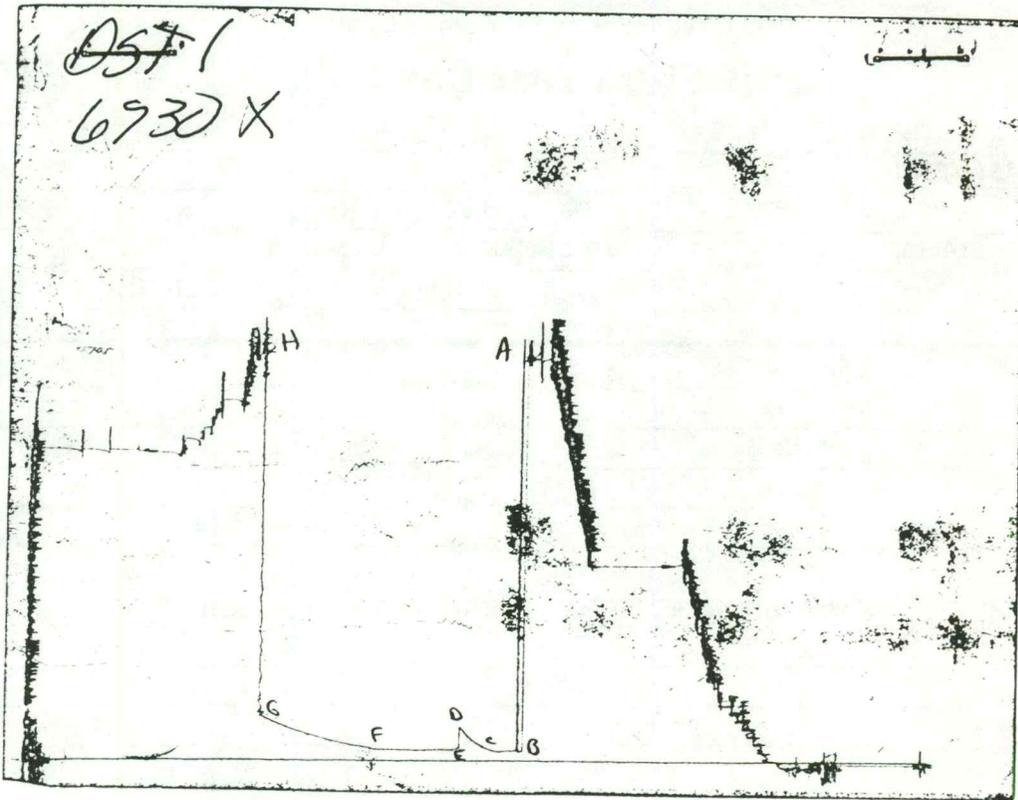
(F) Second Final Flow Pressure 65.7 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 246.8 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 2209.9 PSI Initial Shut-in 30 Final Shut-in 90

Our Representative GARY SPEER

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2227	2209.9
(B) FIRST INITIAL FLOW PRESSURE	64	59.3
(C) FIRST FINAL FLOW PRESSURE	64	59.3
(D) INITIAL CLOSED-IN PRESSURE	172	194
(E) SECOND INITIAL FLOW PRESSURE	64	70
(F) SECOND FINAL FLOW PRESSURE	64	65.7
(G) FINAL CLOSED-IN PRESSURE	226	246.8
(H) FINAL HYDROSTATIC MUD	2227	2209.9

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FLUID SAMPLER DATA

Ticket No. 7674 Date 12-21-94
Company Name Oxy USA Inc
Lease Garden City Co. Test No. 1
County Finney Sec. 22 Twp. 23 Rng. 34

SAMPLER RECOVERY

Gas _____ ML
Oil _____ ML
Mud 4,000 ML
Water _____ ML
Other _____ ML
Pressure 30 PSI
Total 4,000 ML

PIT MUD ANALYSIS

Chlorides 6,800 ppm.
Resistivity 1.0 ohms @ 70 F
Viscosity 44
Mud Weight 9.0
Filtrate 8.8
Other LCM TR.

SAMPLER ANALYSIS

Resistivity 1.0 ohms @ 70 F
Chlorides 6,800 ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

TOP
Resistivity 1.0 ohms @ 70 F
Chlorides 6,800 ppm.

MIDDLE

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.