

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name GARDEN CITY CO 5-5 Test No. 1 Date 3/29/95
Company OXY USA INC Zone MORROW
Address P O BOX 850, SUBLETTE, KS 67877 Elevation 2959
Co. Rep./Geo. CHARLES GLASSROCK/ROBERT VICK CHEYENNE RIG #1 Est. Ft. of Pay _____
Location: Sec. 22 Twp. 23S Rge. 34W Co. FINNEY State KS

Interval Tested <u>4646-4735</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>89</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>4641</u>	Drill Collar - 2.25 Ft. Run <u>703</u>
Bottom Packer Depth <u>4646</u>	Mud Wt. _____ lb/Gal.
Total Depth <u>4735</u>	Viscosity <u>48</u> Filtrate <u>8</u>

Tool Open @ 2:50PM Initial Blow SURFACE BUBBLE BUILT TO 3 INCHES.

ISI: bled off blow - no return blow.

Final Blow SURFACE BLOW BUILT TO 4 INCHES.

FSI: bled off blow - no return blow.

Recovery - Total Feet 90 Flush Tool? NO

Rec. 30 Feet of OIL CUT MUD. 30% OIL; 70% MUD.

Rec. 60 Feet of SLIGHT OIL CUT MUD. 18% OIL; 82% MUD.

Rec. _____ Feet of _____

Rec. _____ Feet of _____

Rec. _____ Feet of _____

BHT 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW 6.5 @ 70 °F Chlorides 920 ppm Recovery Chlorides 900 ppm System

(A) Initial Hydrostatic Mud 2158.40 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 38.10 PSI @ (depth) 4653 w / Clock No. 7452

(C) First Final Flow Pressure 44.80 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 513.30 PSI @ (depth) 4730 w / Clock No. 21048

(E) Second Initial Flow Pressure 53.80 PSI AK1 Recorder No. _____ Range _____

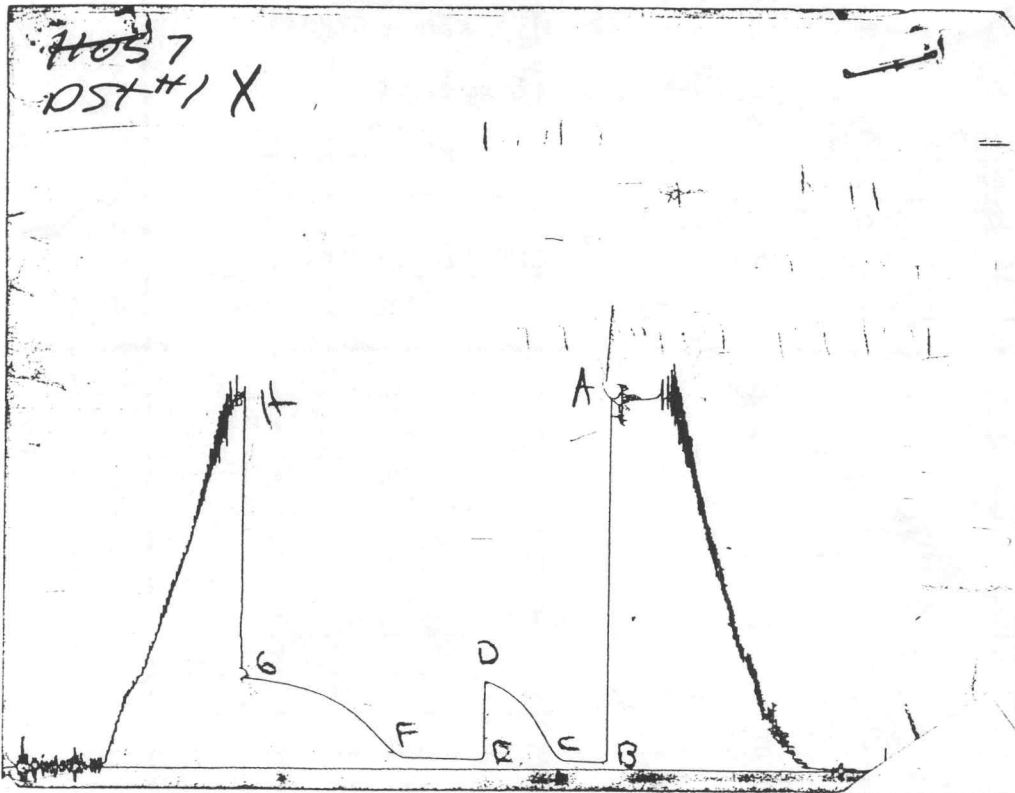
(F) Second Final Flow Pressure 60.50 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 522.30 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2196.80 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative SHANE MCBRIDE

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2162	2158.40
(B) FIRST INITIAL FLOW PRESSURE	44	38.10
(C) FIRST FINAL FLOW PRESSURE	44	44.80
(D) INITIAL CLOSED-IN PRESSURE	515	513.30
(E) SECOND INITIAL FLOW PRESSURE	56	53.80
(F) SECOND FINAL FLOW PRESSURE	67	60.50
(G) FINAL CLOSED-IN PRESSURE	515	522.30
(H) FINAL HYDROSTATIC MUD	2151	2196.80

FLUID SAMPLER DATA

Ticket No.: 7518

Date: 3/29/95

Company: OXY USA INC

Lease: GARDEN CITY CO 5-5

Test No.: 1

County: FINNEY

Sec.: 22

Twp.: 23S

Rng.: 34W

SAMPLER RECOVERY

Gas		ML
Oil	900	ML
Mud	3100	ML
Water		ML
Other		ML
Pressure	230	PSI
TOTAL	4000	ML

SAMPLER ANALYSIS

Resistivity	6.5	ohms@	70	F
Chlorides		920		ppm.
Gravity			corrected @60F	

PIT MUD ANALYSIS

Chlorides	900		
Resistivit		ohms@	F
Viscosity	48		
Mud Wt.	8.9		
Filtrate	8		
Other	LCM #2		

PIPE RECOVERY

TOP

Resistivit	ohms@	F
Chlorides		ppm.

MIDDLE

Resistivit	ohms@	F
Chlorides		ppm.

BOTTOM

Resistivit	ohms@	F
Chlorides		ppm.

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Test Ticket

No. 7518

Well Name & No. Garden City Co 5-5 Test No. 1 Date 3-29-95
Company Oxy USA Inc Zone Tested Morrow
Address P.O. Box 850 Sublette, Ks 67877 Elevation 2959 (KB)
Co. Rep./Geo. Charles Glascock, Robert Vick cont. Cheyenne Rig #1 Est. Ft. of Pay _____
Location: Sec. 22 Twp. 23S Rge. 39W Co. Finnery State Ks
No. of Copies Normal Distribution Sheet _____ Yes X No Turnkey _____ Yes X No _____ Evaluation _____

Interval Tested 4646' - 4735' Drill Pipe Size 4 1/2 X H
Anchor Length 89' Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth 4641' Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 4646' Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth 4735' Drill Collar — 2.25 Ft. Run 703.74'
Mud Wt. 8.9 lb/gal. Viscosity 48 Filtrate 8.0

Tool Open @ 2:50pm Initial Blow Surface Bubble build to 3" in.
I.S.T. Bleed off Blow - No return Blow
Final Blow Surface Blow to build to - 4" in.
F.S.T. Bleed off Blow - No return Blow

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>30'</u> Feet Of <u>0cm</u>	%gas <u>30%</u> oil _____ %water <u>70%</u> mud _____	<u>NO</u>
Rec. <u>60'</u> Feet Of <u>50cm</u>	%gas <u>18%</u> oil _____ %water <u>82%</u> mud _____	
Rec. _____ Feet Of _____	%gas _____ oil _____ %water _____ mud _____	
Rec. _____ Feet Of _____	%gas _____ oil _____ %water _____ mud _____	
Rec. _____ Feet Of _____	%gas _____ oil _____ %water _____ mud _____	

BHT 116 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 6.5 @ 70 °F Chlorides 920 ppm Recovery Chlorides 900 ppm System

(A) Initial Hydrostatic Mud 2162 PSI Ak1 Recorder No. 11057 Range 4500
(B) First Initial Flow Pressure 44 PSI @ (depth) 4653 w/Clock No. 7452
(C) First Final Flow Pressure 44 PSI AK1 Recorder No. 11058 Range 4500
(D) Initial Shut-In Pressure 515 PSI @ (depth) 4730 w/Clock No. 21048
(E) Second Initial Flow Pressure 56 PSI AK1 Recorder No. _____ Range _____
(F) Second Final Flow Pressure 67 PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure 515 PSI Initial Opening 30 Test X 600
(H) Final Hydrostatic Mud 2151 PSI Initial Shut-In 60 Jars X 200

Final Flow 60 Safety Joint X 50
Final Shut-In 120 Straddle _____
Circ. Sub X N/C
Sampler X 200
Extra Packer _____
Other _____
TOTAL PRICE \$ 1050

Approved By Charles Glascock
Our Representative Shane McPherson