

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name #4 MLP QUIETT A Test No. 1 Date 9/30/93
Company OXY USA, INC. Zone CHESTER
Address P O BOX 26100 OKLAHOMA CITY OK Elevation 2855
Co. Rep./Geo. BOB SUMMERS Cont. CHEYENNE RIG #2 Est. Ft. of Pay 10
Location: Sec. 25 Twp. 30S Rge. 35W Co. GRANT State KS

Interval Tested 5462-5522 Drill Pipe Size 4.5" XH
Anchor Length 60 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 5457 Drill Collar - 2.25 Ft. Run 692 XH
Bottom Packer Depth 5462 Mud Wt. 8.9 lb/Gal.
Total Depth 5522 Viscosity 58 Filtrate 7

Tool Open @ 1:45 PM Initial Blow WEAK SURFACE BLOW BUILT TO 3/4"

Final Blow NO BLOW

Recovery - Total Feet 450 Flush Tool? NO

Rec. 450 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2770.1 PSI AK1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 205.6 PSI @ (depth) 5465 w / Clock No. 31152

(C) First Final Flow Pressure 206.7 PSI AK1 Recorder No. 10333 Range 4050

(D) Initial Shut-in Pressure 1470.3 PSI @ (depth) 5483 w / Clock No. 17640

(E) Second Initial Flow Pressure 206.7 PSI AK1 Recorder No. _____ Range _____

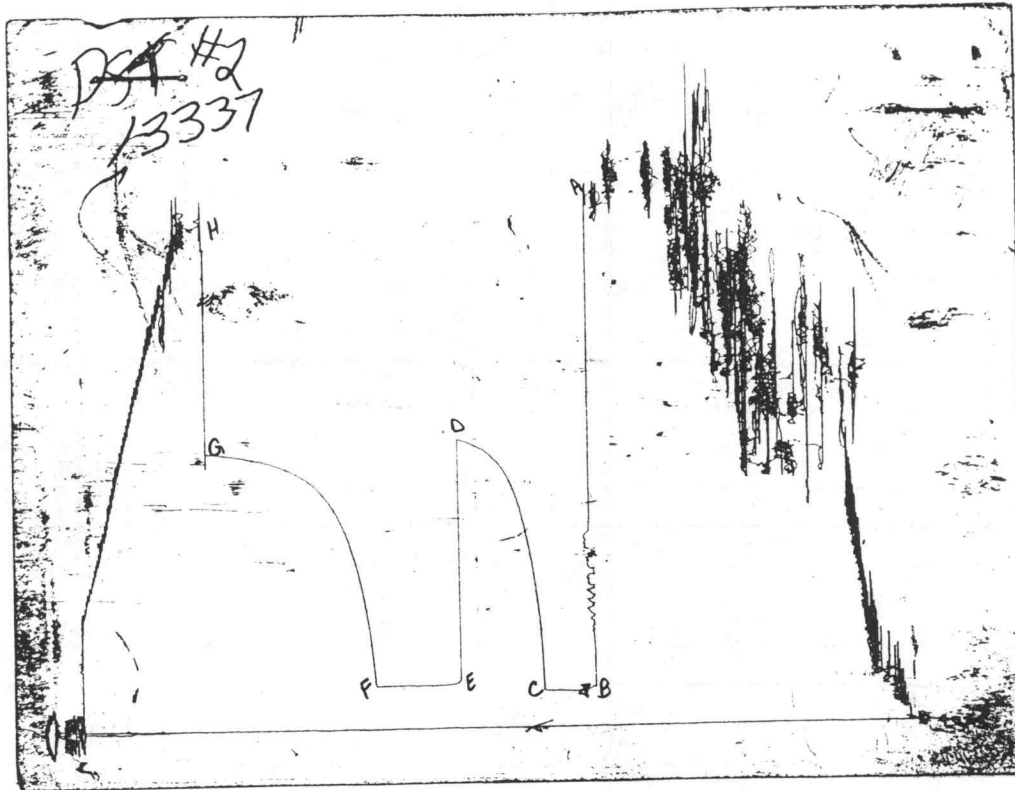
(F) Second Final Flow Pressure 206.7 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1431.2 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2655.4 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative ROBERT COLLINS

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2763	2770.1
(B) FIRST INITIAL FLOW PRESSURE	203	205.6
(C) FIRST FINAL FLOW PRESSURE	203	206.7
(D) INITIAL CLOSED-IN PRESSURE	1477	1470.3
(E) SECOND INITIAL FLOW PRESSURE	203	206.7
(F) SECOND FINAL FLOW PRESSURE	203	206.7
(G) FINAL CLOSED-IN PRESSURE	1426	1431.2
(H) FINAL HYDROSTATIC MUD	2651	2655.4

FLUID SAMPLER DATA

Ticket No.: 6763 Date: 9/30/93
Company: OXY USA, INC.
Lease: #4 MLP QUIETT A Test No.: 1
County: GRANT Sec.: 25 Twp.: 30S Rng.: 35W

SAMPLER RECOVERY

Gas
Oil
Mud 4000
Water
Other
Pressure
TOTAL 4000

SAMPLER ANALYSIS

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

PIT MUD ANALYSIS

Chlorides 5000
Resistivity ohms@ F
Viscosity 58
Mud Wt. 8.9
Filtrate 7
Other

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. 6763 Date 9-30-93
Company Name Oxy U.S.A. Inc
Lease Qu:EA "A-4" Test No. 2
County Grant Ks Sec. 25 Twp. 30 Rng. 35W

SAMPLER RECOVERY

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

PIT MUD ANALYSIS

Chlorides 5000 ppm.
Resistivity _____ ohms @ _____ F
Viscosity 58
Mud Weight 8.9
Filtrate 1.0
Other _____

SAMPLER ANALYSIS

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

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Test Ticket

No 6763

Well Name & No. <u>Quieth "A"-4</u>	Test No. <u>4</u>	Date <u>9-30-98</u>
Company <u>Oxy U.S.A Inc</u>	Zone Tested <u>CHESTER</u>	
Address <u>Box 2000 Oklahoma City OK 73126</u>	Elevation <u>2855 LB</u>	
Co. Rep./Geo. <u>Bob Summers</u>	Cont. <u>Cheyenne Rig &</u>	Est. Ft. of Pay <u>10</u>
Location: Sec. <u>25</u>	Twp. <u>30</u>	Rge. <u>35W</u>
	Co. <u>Grant</u>	State <u>KS</u>
No. of Copies <u>14</u>	Distribution Sheet	Yes <u>X</u> No Turnkey Yes <u>X</u> No Evaluation

Interval Tested 5462-5522 Drill Pipe Size 4 1/2 TH
 Anchor Length 60 Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 5457 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 5462 Wt. Pipe I.D. — 2.7 Ft. Run
 Total Depth 5522 Drill Collar — 2.25 Ft. Run 692 TH
 Mud Wt. 8.9 lb/gal. Viscosity 58 Filtrate 7.0
 Tool Open @ 1:45 PM Initial Blow Weak surface blow build to 3/4 in

Final Blow NO Blow

Recovery — Total Feet 450 Feet of Gas in Pipe _____ Flush Tool? NO

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>450</u>	<u>DRIS Mud</u>				
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 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2763 PSI AK1 Recorder No. 13337 Range 3975
 (B) First Initial Flow Pressure 203 PSI @ (depth) 5465 w/Clock No. 31152
 (C) First Final Flow Pressure 203 PSI AK1 Recorder No. 10333 Range 4050
 (D) Initial Shut-In Pressure 1477 PSI @ (depth) 5483 w/Clock No. 17640
 (E) Second Initial Flow Pressure 203 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 203 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 1426 PSI Initial Opening 30 Test X 700
 (H) Final Hydrostatic Mud 2651 PSI Initial Shut-In 60 Jars X 200

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 X 50
 Final Shut-In 120

Approved By Robert Summers

Our Representative R. Collins

Straddle _____
 Circ. Sub 2 1/2
 Sampler X 200
 Extra Packer _____
 Other _____

