

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name SOLT A-7 Test No. 1 Date 5/1/93
Company OXY USA, INC. Zone REAGAN SAND
Address 110 S MAIN #800 WICHITA KS 67202 Elevation 2200
Co. Rep./Geo. STEPHEN MCDANIEL Cont. ABERCROMBIE #8 Est. Ft. of Pay 3
Location: Sec. 31 Twp. 5S Rge. 20W Co. PHILLIPS State KS

Interval Tested	<u>3608-3613</u>	Drill Pipe Size	<u>4.5" FH</u>
Anchor Length	<u>5</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>400</u>
Top Packer Depth	<u>3603</u>	Drill Collar - 2.25 Ft. Run	<u>9.5</u>
Bottom Packer Depth	<u>3608</u>	Mud Wt.	<u>9.5</u> lb/Gal.
Total Depth	<u>3613</u>	Viscosity	<u>50</u>
		Filtrate	<u>8.8</u>

Tool Open @ 9:00 PM Initial Blow WEAK BLOW - SURFACE BLOW BUILDING TO 1/2"

Final Blow WEAK BLOW 1/4" THROUGHOUT

Recovery - Total Feet 20 Flush Tool? NO

Rec. 20 Feet of MUDDY OIL 80%OIL/20%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 108 °F Gravity _____ °API @ _____ °F Corrected Gravity 1500 °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 1826.9 PSI AK1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 15.3 PSI @ (depth) 3595 w / Clock No. 25813

(C) First Final Flow Pressure 19.4 PSI AK1 Recorder No. 10333 Range 4025

(D) Initial Shut-in Pressure 706.9 PSI @ (depth) 3610 w / Clock No. 31152

(E) Second Initial Flow Pressure 19.1 PSI AK1 Recorder No. _____ Range _____

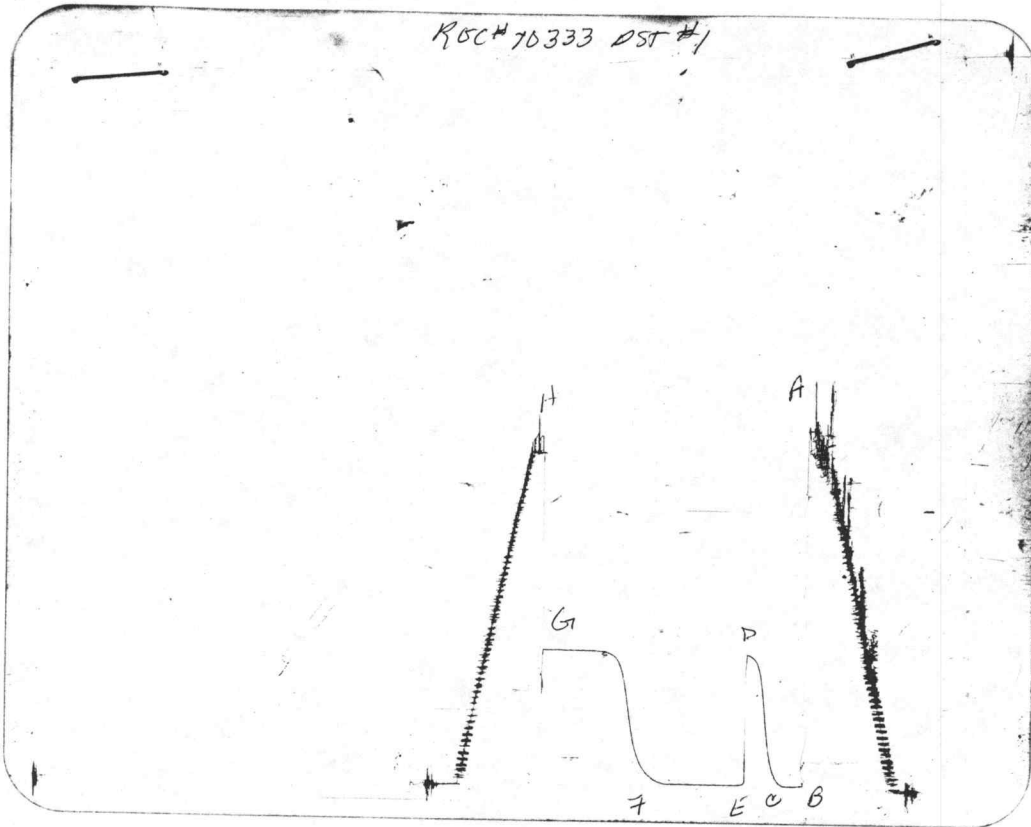
(F) Second Final Flow Pressure 21.3 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 694.7 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 1799.8 PSI Initial Shut-in 30 Final Shut-in 90

Our Representative JOHN RIEDL

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1822	1826.9
(B) FIRST INITIAL FLOW PRESSURE	10	15.3
(C) FIRST FINAL FLOW PRESSURE	12	19.4
(D) INITIAL CLOSED-IN PRESSURE	700	706.9
(E) SECOND INITIAL FLOW PRESSURE	14	19.1
(F) SECOND FINAL FLOW PRESSURE	16	21.3
(G) FINAL CLOSED-IN PRESSURE	690	694.7
(H) FINAL HYDROSTATIC MUD	1790	1799.8

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Test Ticket

No 5378

Well Name & No.	<u>SOLT A-7 (AFE)</u>	Test No.	<u>1</u>	Date	<u>5/1/93</u>
Company	<u>OXY U.S.A. INC.</u>	Zone Tested	<u>PERMAN SAND</u>		
Address	<u>110 S. MAIN #800 WICHITA KS 67202</u>		Elevation	<u>2200 G.L.</u>	
Co. Rep./Geo.	<u>STEPHEN McDANIEL</u>		Cont.	<u>ABERCROMBIE R16 8</u>	
Est. Ft. of Pay	<u>3</u>				
Location: Sec.	<u>31</u>	Twp.	<u>55</u>	Rge.	<u>26W</u>
Co.	<u>PHILLIPS</u>		State	<u>KANSAS</u>	
No. of Copies	Distribution Sheet	Yes	<input checked="" type="checkbox"/>	Turnkey	Yes <input checked="" type="checkbox"/> Evaluation

Interval Tested	<u>3608-3613</u>	Drill Pipe Size	<u>4 1/2 X 11</u>
Anchor Length	<u>5 FT</u>	Top Choke — 1"	Bottom Choke — 3/4"
Top Packer Depth	<u>3603</u>	Hole Size — 7 7/8"	Rubber Size — 6 3/4"
Bottom Packer Depth	<u>3608</u>	Wt. Pipe I.D. — 2.7 Ft. Run	<u>400 FT</u>
Total Depth	<u>3613</u>	Drill Collar — 2.25 Ft. Run	<u>0</u>
Mud Wt.	<u>9.5</u> lb/gal.	Viscosity	<u>50</u>
		Filtrate	<u>8.8</u>
Tool Open @	<u>9:00 P.M. Initial Blow WEAK BLOW - SURFACE BLOW BUILDING TO 1/2"</u>		

Final Blow WEAK BLOW 1/4" THROUGHOUT

Recovery — Total Feet	<u>20</u>	Feet of Gas in Pipe	<u>0</u>	Flush Tool?	<u>NO</u>
Rec.	<u>26</u>	Feet Of	<u>MUDDY OIL</u>	%gas	<u>80% oil</u>
				%water	<u>20% mud</u>
Rec.		Feet Of		%gas	%oil
				%water	%mud
Rec.		Feet Of		%gas	%oil
				%water	%mud
Rec.		Feet Of		%gas	%oil
				%water	%mud

BHT 108° °F Gravity — °API @ — °F Corrected Gravity — °API

RW — @ — °F Chlorides — ppm Recovery Chlorides 1,500 ppm System

- (A) Initial Hydrostatic Mud 1822 PSI AK1 Recorder No. 13337 Range 3925
- (B) First Initial Flow Pressure 10 PSI @ (depth) 3595 w/Clock No. 25813
- (C) First Final Flow Pressure 12 PSI AK1 Recorder No. 10333 Range 4025
- (D) Initial Shut-in Pressure 700 PSI @ (depth) 3610 w/Clock No. 31152
- (E) Second Initial Flow Pressure 14 PSI AK1 Recorder No. — Range —
- (F) Second Final Flow Pressure 16 PSI @ (depth) — w/Clock No. —
- (G) Final Shut-in Pressure 690 PSI Initial Opening 15 Test X 600
- (H) Final Hydrostatic Mud 1790 PSI Initial Shut-in 30 Jars —

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 90 Straddle —
Circ. Sub —
Sampler —

Approved By Steph McDaniel

Our Representative John Smith

TRILOBITE TESTING, L.L.C.

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Drill-Stem Test Data

Well Name SOLT A-7 Test No. 2 Date 5/2/93
Company OXY USA, INC. Zone REAGAN SAND
Address 110 S MAIN #800 WICHITA KS 67202 Elevation 2200
Co. Rep./Geo. STEPHEN MCDANIEL Cont. ABERCROMBIE #8 Est. Ft. of Pay _____
Location: Sec. 31 Twp. 5S Rge. 20W Co. PHILLIPS State KS

Interval Tested	<u>3608-3618</u>	Drill Pipe Size	<u>4.5" FH</u>
Anchor Length	<u>10</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>400</u>
Top Packer Depth	<u>3603</u>	Drill Collar - 2.25 Ft. Run	<u>9.5</u>
Bottom Packer Depth	<u>3608</u>	Mud Wt.	<u>50</u> lb/Gal.
Total Depth	<u>3618</u>	Viscosity	<u>50</u> Filtrate <u>8.8</u>

Tool Open @ 10:00 PM Initial Blow STRONG BLOW - BOTTOM OF BUCKET IN 8 MINUTES
1 1/2" BLOW BACK
Final Blow STRONG BLOW - BOTTOM OF BUCKET IN 8 MINUTES
2" BLOW BACK

Recovery - Total Feet 640 Flush Tool? NO

Rec. 900 Feet of GAS IN PIPE
Rec. 550 Feet of CLEAN GASSY OIL 10%GAS/90%OIL
Rec. 90 Feet of GAS & OIL CUT WATERY MUD 10%GAS/10%OIL/20%WATER/60%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 109 °F Gravity 29 °API @ 72 °F Corrected Gravity 28 °API
RW 0.28 @ 64 °F Chlorides 23000 ppm Recovery Chlorides 1500 ppm System

(A) Initial Hydrostatic Mud 1836.9 PSI AK1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 29.1 PSI @ (depth) 3595 w / Clock No. 25813

(C) First Final Flow Pressure 71.2 PSI AK1 Recorder No. 10333 Range 4025

(D) Initial Shut-in Pressure 683.5 PSI @ (depth) 3615 w / Clock No. 31152

(E) Second Initial Flow Pressure 126.9 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 226.3 PSI @ (depth) _____ w / Clock No. _____

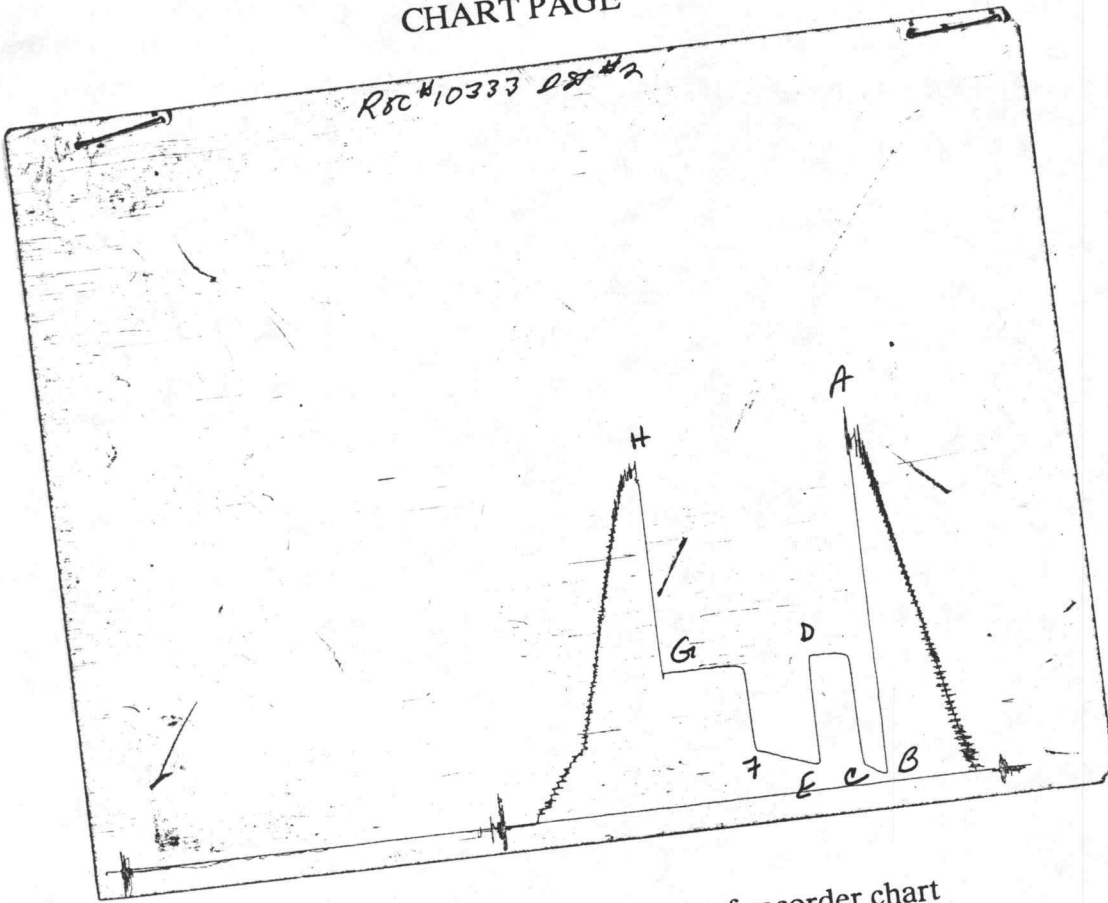
(G) Final Shut-in Pressure 683.5 PSI Initial Opening 15 Final Flow 45

(H) Final Hydrostatic Mud 1816.7 PSI Initial Shut-in 30 Final Shut-in 60

Our Representative JOHN RIEDL

CHART PAGE

RSC #10333 DS #2



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1832	1836.9
(B) FIRST INITIAL FLOW PRESSURE	24	29.1
(C) FIRST FINAL FLOW PRESSURE	64	71.2
(D) INITIAL CLOSED-IN PRESSURE	675	683.5
(E) SECOND INITIAL FLOW PRESSURE	118	126.9
(F) SECOND FINAL FLOW PRESSURE	218	226.3
(G) FINAL CLOSED-IN PRESSURE	675	683.5
(H) FINAL HYDROSTATIC MUD	1810	1816.7

TRILOBITE TESTING L.L.C.

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Test Ticket

No 5379

Well Name & No. SOLT A-7 (AFE) Test No. 2 Date 5/2/93
Company OXY U.S.A. INC Zone Tested REAGAN SAND
Address 110 S MAIN #800 WICHITA KS 67282 Elevation 2200 G.L.
Co. Rep./Geo. STEPHAN MLDANIEL Cont. ABERCROMBIE RIL & Est. Ft. of Pay _____
Location: Sec. 31 Twp. 5S Rge. 20W Co. PHILLIPS State KANSAS
No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3603-3618 Drill Pipe Size 4 1/2 XH
Anchor Length 10 FT Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth 3603 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth 3608 Wt. Pipe I.D. — 2.7 Ft. Run 400 FT
Total Depth 3618 Drill Collar — 2.25 Ft. Run 0
Mud Wt. 9.5 lb/gal. Viscosity 50 Filtrate 8.8

Tool Open @ 10:00 A.M. Initial Blow STRONG BLOW - BTM BUCKET IN 8 MINUTES
(1 1/2" BLOWBACK)

Final Blow STRONG BLOW - BTM BUCKET IN 8 MINUTES
(2" BLOWBACK)

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?		
<u>640</u>	<u>900</u>	<u>NO</u>		
Rec. <u>550</u> Feet Of <u>CLEAN GASSY OIL</u>	<u>10% gas</u>	<u>90% oil</u>	<u>% water</u>	<u>% mud</u>
Rec. <u>90</u> Feet Of <u>GAS OIL CUT WATERY MUD</u>	<u>10% gas</u>	<u>10% oil</u>	<u>20% water</u>	<u>60% mud</u>
Rec. <u>0</u> Feet Of _____	<u>% gas</u>	<u>% oil</u>	<u>% water</u>	<u>% mud</u>
Rec. _____ Feet Of _____	<u>% gas</u>	<u>% oil</u>	<u>% water</u>	<u>% mud</u>
Rec. _____ Feet Of _____	<u>% gas</u>	<u>% oil</u>	<u>% water</u>	<u>% mud</u>

BHT 109° °F Gravity 29 °API @ 72 °F Corrected Gravity 28 °API
RW .28 @ 64 °F Chlorides 23,000 ppm Recovery Chlorides 1,500 ppm System

(A) Initial Hydrostatic Mud 1832 PSI AK1 Recorder No. 13337 Range 392.5
(B) First Initial Flow Pressure 24 PSI @ (depth) 359.5 w/Clock No. 25813
(C) First Final Flow Pressure 64 PSI AK1 Recorder No. 10333 Range 402.5
(D) Initial Shut-In Pressure 675 PSI @ (depth) 3615 w/Clock No. 31152
(E) Second Initial Flow Pressure 118 PSI AK1 Recorder No. — Range —
(F) Second Final Flow Pressure 218 PSI @ (depth) _____ w/Clock No. _____
(G) Final Shut-In Pressure 675 PSI Initial Opening 15 Test X 600
(H) Final Hydrostatic Mud 1810 PSI Initial Shut-In 30 Jars _____

Final Flow 45 Safety Joint X 50
Final Shut-In 60 Straddle _____
Circ. Sub _____
Sampler _____

Approved By Stephan M. Daniel
Our Representative John Daniel

Extra Packer _____
Other _____
TOTAL PRICE \$ 650