

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name PEARSON B-5 Test No. 1 Date 10/24/93
Company OXY USA, INC. Zone ARBUCKLE
Address P O BOX 26100 OKLAHOMA CITY OK Elevation 2173
Co. Rep./Geo. STEVE DAVIS Cont. ABERCROMBIE DRLG RIG #4 Est. Ft. of Pay _____
Location: Sec. 27 Twp. 5S Rge. 20W Co. PHILLIPS State KS

Interval Tested <u>3558-3568</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>10</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>635</u>
Top Packer Depth <u>3553</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3558</u>	Mud Wt. <u>9.2</u> lb/Gal.
Total Depth <u>3568</u>	Viscosity <u>41</u> Filtrate <u>8.6</u>

Tool Open @ 7:05 AM Initial Blow STRONG BLOW-BOTTOM OF BUCKET IN 1 MINUTE

Final Blow STRONG BLOW-BOTTOM OF BUCKET IN 1 1/2 MINUTE

Recovery - Total Feet 2170 Flush Tool? NO

Rec. <u>1</u>	Feet of <u>CLEAN OIL</u>
Rec. <u>2169</u>	Feet of <u>WATER WITH TRACE OF OIL THROUGHOUT</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 110 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.17 @ 73.5 °F Chlorides 44000 ppm Recovery Chlorides 900 ppm System

(A) Initial Hydrostatic Mud 1844.4 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 366.6 PSI @ (depth) 3562 w / Clock No. 27567

(C) First Final Flow Pressure 731.1 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 944.4 PSI @ (depth) 3564 w / Clock No. 27501

(E) Second Initial Flow Pressure 766.6 PSI AK1 Recorder No. _____ Range _____

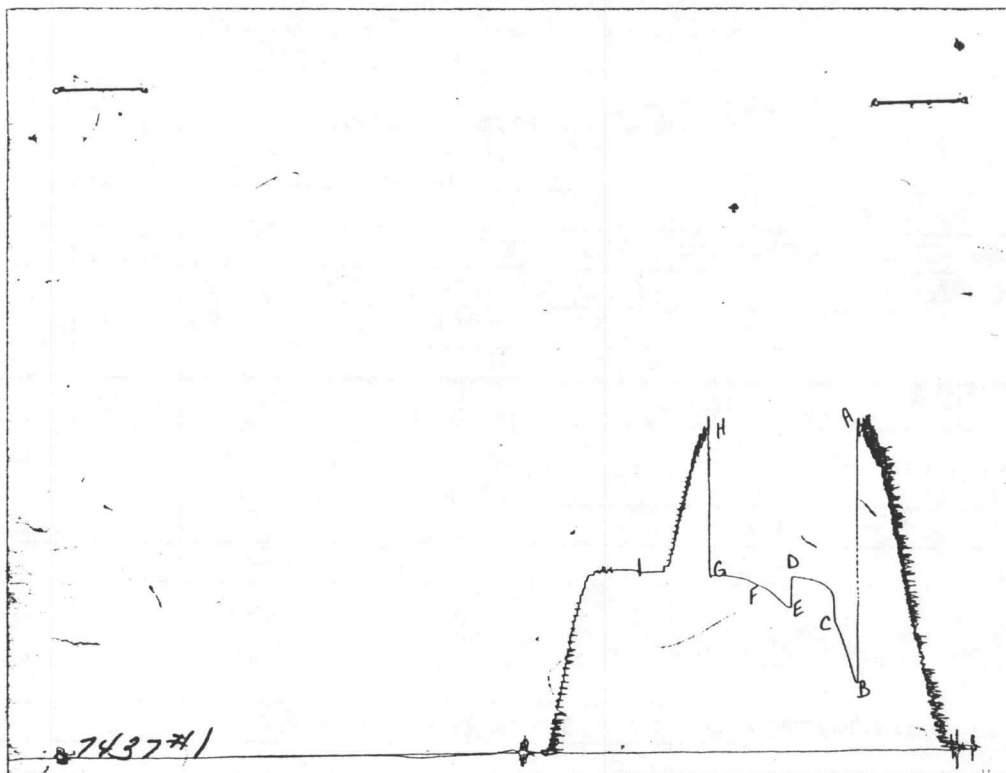
(F) Second Final Flow Pressure 909.9 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 944.4 PSI Initial Opening 15 Final Flow 30

(H) Final Hydrostatic Mud 1811.1 PSI Initial Shut-in 30 Final Shut-in 30

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1846	1844.4
(B) FIRST INITIAL FLOW PRESSURE	364	366.6
(C) FIRST FINAL FLOW PRESSURE	729	731.1
(D) INITIAL CLOSED-IN PRESSURE	936	944.4
(E) SECOND INITIAL FLOW PRESSURE	768	766.6
(F) SECOND FINAL FLOW PRESSURE	907	909.9
(G) FINAL CLOSED-IN PRESSURE	946	944.4
(H) FINAL HYDROSTATIC MUD	1806	1811.1

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Test Ticket

No 6250

Well Name & No. <u>Pearson B-5</u>	Test No. <u>1</u>	Date <u>10-24-93</u>
Company <u>Oxy USA, Inc.</u>	Zone Tested <u>Arbuckle</u>	
Address <u>110 S. main, Wichita, Ks. 67202</u>	Elevation _____	
Co. Rep./Geo. <u>Steve Davis</u>	Cont. <u>Abercrombie #4</u>	Est. Ft. of Pay _____
Location: Sec. <u>27</u>	Twp. <u>5</u>	Rge. <u>20</u> Co. <u>Phillips</u> State <u>Ks.</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>3558 - 3568</u>	Drill Pipe Size <u>4.5 X H</u>
Anchor Length <u>10'</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3553</u>	Hole Size — 77/8" _____ Rubber Size — 63/4" _____
Bottom Packer Depth <u>3558</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>635</u>
Total Depth <u>3568</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.2</u> lb / gal.	Viscosity <u>41</u> Filtrate <u>8.6</u>
Tool Open @ <u>7:05 a.m.</u> Initial Blow <u>Strong - B.O.B. in 1 min.</u>	
Final Blow <u>Strong - B.O.B. in 1 1/2 min.</u>	

Recovery — Total Feet <u>2170</u>	Feet of Gas in Pipe _____	Flush Tool? _____
Rec. <u>1</u> Feet Of <u>C.O.</u>	%gas <u>100</u> %oil _____	%water _____ %mud _____
Rec. <u>2169</u> Feet Of <u>WTR. w/Trace oil</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of <u>I/O</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____ Feet Of _____	%gas _____ %oil _____	%water _____ %mud _____

BHT <u>110</u> °F Gravity _____	°API @ _____	°F Corrected Gravity _____	°API _____
RW <u>.17</u> @ <u>73.5</u> °F	Chlorides <u>44,000</u> ppm	Recovery Chlorides <u>900</u> ppm	System _____
(A) Initial Hydrostatic Mud <u>1846</u> PSI	AK1 Recorder No. <u>13754</u>	Range <u>4000</u>	
(B) First Initial Flow Pressure <u>364</u> PSI	@ (depth) <u>3562</u>	w/Clock No. <u>27567</u>	
(C) First Final Flow Pressure <u>729</u> PSI	AK1 Recorder No. <u>7437</u>	Range <u>4200</u>	
(D) Initial Shut-In Pressure <u>936</u> PSI	@ (depth) <u>3564</u>	w/Clock No. <u>27501</u>	
(E) Second Initial Flow Pressure <u>768</u> PSI	AK1 Recorder No. _____	Range _____	
(F) Second Final Flow Pressure <u>907</u> PSI	@ (depth) _____	w/Clock No. _____	
(G) Final Shut-In Pressure <u>946</u> PSI	Initial Opening <u>15</u>	Test <u>600.00</u>	
(H) Final Hydrostatic Mud <u>1806</u> PSI	Initial Shut-In <u>30</u>	Jars _____	

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Final Flow <u>30</u>	Safety Joint <u>X</u> <u>50.00</u>
Final Shut-In <u>30</u>	Straddle _____
	Circ. Sub <u>X</u> <u>35.00</u>
	Sampler _____
	Extra Packer _____
	Other _____

Approved By Steve Davis

Our Representative Dan Banoffe

TRILOBITE TESTING, L.L.C.

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Drill-Stem Test Data

Well Name PEARSON B-5 Test No. 2 Date 10/25/93
Company OXY USA, INC. Zone ARBUCKLE
Address P O BOX 26100 OKLAHOMA CITY OK Elevation 2173
Co. Rep./Geo. STEVE DAVIS Cont. ABERCROMBIE DRLG RIG #4 Est. Ft. of Pay _____
Location: Sec. 27 Twp. 5S Rge. 20W Co. PHILLIPS State KS

Interval Tested <u>3574-3585</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>11</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>635</u>
Top Packer Depth <u>3569</u>	Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth <u>3574</u>	Mud Wt. <u>9.5</u> lb/Gal.
Total Depth <u>3585</u>	Viscosity <u>42</u> Filtrate <u>9.6</u>

Tool Open @ 6:15 PM Initial Blow WEAK BLOW-BUILDING TO 1/2"

Final Blow VERY WEAK SURFACE BLOW

Recovery - Total Feet 60 Flush Tool? NO

Rec. <u>60</u>	Feet of <u>HEAVY MUD CUT OIL-60% OIL/ 40% MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 111 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud 1865.5 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 31.1 PSI @ (depth) 3578 w / Clock No. 27567

(C) First Final Flow Pressure 31.1 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 911.1 PSI @ (depth) 3581 w / Clock No. 27501

(E) Second Initial Flow Pressure 48.8 PSI AK1 Recorder No. _____ Range _____

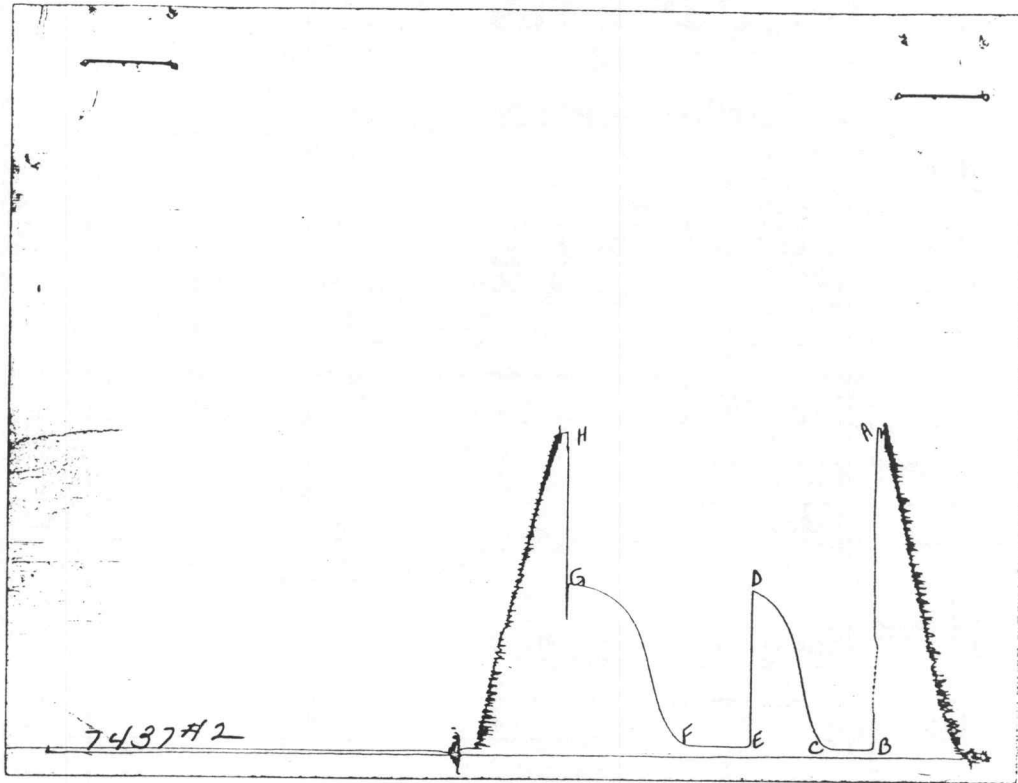
(F) Second Final Flow Pressure 48.8 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 922.2 PSI Initial Opening 30 Final Flow 45

(H) Final Hydrostatic Mud 1761.1 PSI Initial Shut-in 60 Final Shut-in 90

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1866	1865.5
(B) FIRST INITIAL FLOW PRESSURE	29	31.1
(C) FIRST FINAL FLOW PRESSURE	29	31.1
(D) INITIAL CLOSED-IN PRESSURE	907	911.1
(E) SECOND INITIAL FLOW PRESSURE	49	48.8
(F) SECOND FINAL FLOW PRESSURE	49	48.8
(G) FINAL CLOSED-IN PRESSURE	917	922.2
(H) FINAL HYDROSTATIC MUD	1766	1761.1

CALCULATED RECOVERY ANALYSIS

WEIGHT PIPE

DST #

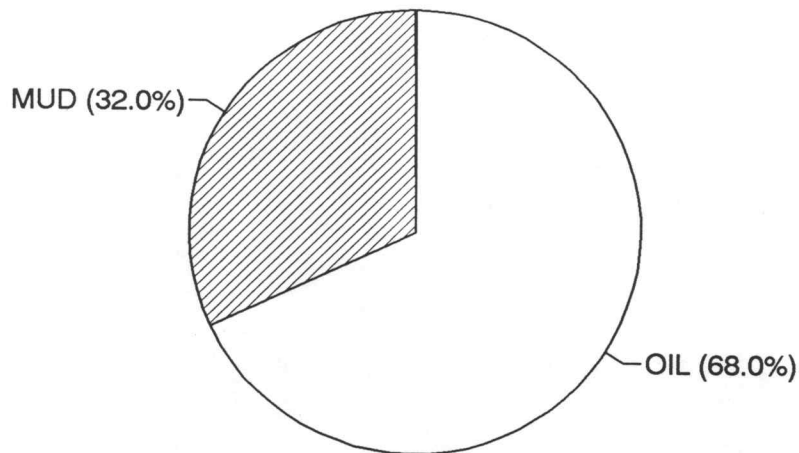
2

TICKET #

6551

SAMPLE #	TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
1	60	0	0	60	36	0	0	40	24
2			0		15		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	60	0	0	85	51	0	0	40	24

			HRS OPEN	BBL/DAY
BBL OIL=	0.357	*	1.25	6.8544
BBL WATER=	0	*		0
BBL MUD=	0.168			
BBL GAS=	0			



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Test Ticket

No 6551

Well Name & No. <u>Pearson B-5</u>	Test No. <u>2</u>	Date <u>10-25-93</u>
Company <u>Oxy USA, Inc.</u>	Zone Tested <u>Arbuckle</u>	
Address _____	Elevation <u>2173 K.B.</u>	
Co. Rep./Geo. <u>Steve Davis</u>	Cont. <u>Abercrombie #4</u>	Est. Ft. of Pay _____
Location: Sec. <u>27</u> Twp. <u>5</u> Rge. <u>20</u>	Co. <u>Phillips</u>	State <u>Ks.</u>
No. of Copies <u>5?</u>	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>3574-3585</u>	Drill Pipe Size <u>4.5 XH</u>
Anchor Length <u>11</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>3569</u>	Hole Size — 77/8" _____ Rubber Size — 63/4" _____
Bottom Packer Depth <u>3574</u>	Wt. Pipe I.D. — 2.7 Ft. Run <u>625</u>
Total Depth <u>3585</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.5</u> lb/gal.	Viscosity <u>42</u> Filtrate <u>9.6</u>
Tool Open @ <u>6:15 p.m.</u>	Initial Blow <u>Weak - building to 1/2"</u>

Final Blow Very weak surface blow.

Recovery — Total Feet <u>60</u>	Feet of Gas in Pipe _____	Flush Tool? _____
Rec. <u>60</u> Feet Of <u>HMC0</u>	%gas <u>60</u> %oil _____	%water <u>40</u> %mud _____
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 111 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 1000 ppm System

(A) Initial Hydrostatic Mud <u>1866</u> PSI	AK1 Recorder No. <u>13754</u>	Range <u>4000</u>
(B) First Initial Flow Pressure <u>29</u> PSI	@ (depth) <u>3578</u>	w/Clock No. <u>27567</u>
(C) First Final Flow Pressure <u>29</u> PSI	AK1 Recorder No. <u>7437</u>	Range <u>4200</u>
(D) Initial Shut-In Pressure <u>907</u> PSI	@ (depth) <u>3581</u>	w/Clock No. <u>27501</u>
(E) Second Initial Flow Pressure <u>49</u> PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>49</u> PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>917</u> PSI	Initial Opening <u>30</u>	Test <u>600.00</u>
(H) Final Hydrostatic Mud <u>1766</u> PSI	Initial Shut-In <u>60</u>	Jars _____

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Final Flow <u>45</u>	Safety Joint <u>X</u> <u>50.00</u>
Final Shut-In <u>90</u>	Straddle _____
	Circ. Sub _____
	Sampler _____
	Extra Packer _____
	Other _____
	TOTAL PRICE \$ <u>650.00</u>

Approved By Steve Davis

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