TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name MONGEAU 'A' #5 Test No. 1 Date 4/16/93

Company OXY USA, INC. Zone ARBUCKLE

Address 110 S MAIN WICHITA KS 67202 Elevation 2185

Co. Rep./Geo. STEVE DAVIS Cont. ABERCROMBIE DRLG RIG #8 Est. Ft. of Pay

Location: Sec. 27 Twp. 9S Rge. 19W Co. ROOKS State KS

Interval Tested 3609-3614 Drill Pipe Size 4.5" XH

Anchor Length 5 Wt. Pipe I.D. - 2.7 Ft. Run 375

Top Packer Depth 3604 Drill Collar – 2.25 Ft. Run

Bottom Packer Depth 3609 Mud Wt. 9.1 lb/Gal.

Total Depth 3614 Viscosity 40 Filtrate 11.6

Tool Open @ 6:10 PM Initial Blow WEAK - DECREASING FROM 1" TO NO BLOW IN 30 MINUTES

Final Blow NO BLOW - FLUSHED TOOL

Recovery - Total Feet 20 Flush Tool? YES

Rec. 20 Feet of DRILLING MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 107 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud 2113.6 PSI AK1 Recorder No. 11058 Range 4475

(B) First Initial Flow Pressure 26.3 PSI @ (depth) 3599 w / Clock No. 30401

(C) First Final Flow Pressure 26.3 PSI AK1 Recorder No. 22150 Range 3925

(D) Initial Shut-in Pressure 26.3 PSI @ (depth) 3611 w / Clock No. 25814

(E) Second Initial Flow Pressure 26.3 PSI AK1 Recorder No. Range

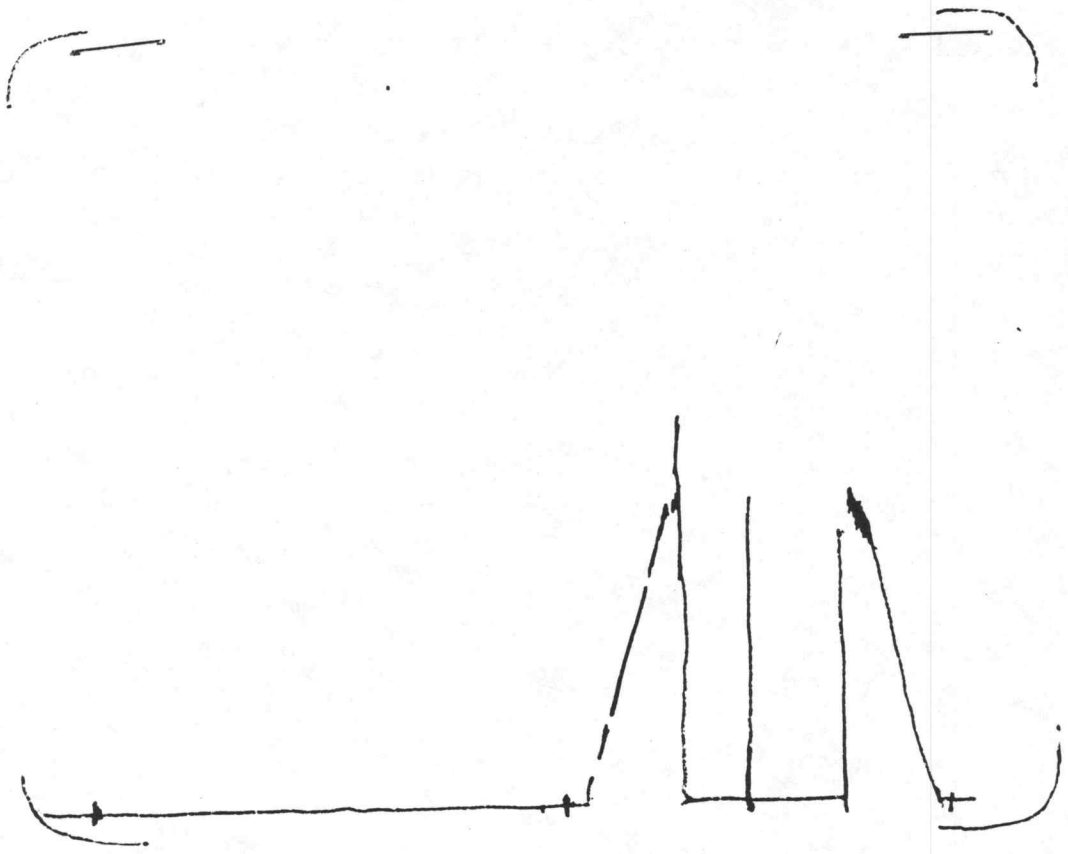
(F) Second Final Flow Pressure 26.3 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 26.3 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 2086.7 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	2109	2113.6
(B) FIRST INITIAL FLOW PRESSURE	22	26.3
(C) FIRST FINAL FLOW PRESSURE	22	26.3
(D) INITIAL CLOSED-IN PRESSURE	22	26.3
(E) SECOND INITIAL FLOW PRESSURE	22	26.3
(F) SECOND FINAL FLOW PRESSURE	22	26.3
(G) FINAL CLOSED-IN PRESSURE	22	26.3
(H) FINAL HYDROSTATIC MUD	2080	2086.7

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5720

Well Name & No. Mongeau "A" #5 Test No. 1 Date 4-16-93

Company OXY USA, Inc. Zone Tested Arb.

Address 110 S. Main, Wichita, Ks. 67202 Elevation 2185 K.B.

Co. Rep./Geo. Steve Davis Cont. Aber #8 Est. Ft. of Pay

Location: Sec. 27 Twp. 9 Rge. 19 Co. Rooks State Ks.

No. of Copies Distribution Sheet Yes No Turnkey Yes No Evaluation

Interval Tested 3609-3614 Drill Pipe Size 4.5 XH

Anchor Length 5' Top Choke — 1" Bottom Choke — ¾"

Top Packer Depth 3604 Hole Size — 7⅞" Rubber Size — 6¾"

Bottom Packer Depth 3609 Wt. Pipe I.D. — 2.7 Ft. Run 375

Total Depth 3614 Drill Collar — 2.25 Ft. Run

Mud Wt. 9.1 lb / gal. Viscosity 40 Filtrate 11.6

Tool Open @ 6:10 p.m. Initial Blow weak-decreasing from 1" to no blow in 30 min.

Final Blow No blow - flushed Tool

Recovery — Total Feet 20 Feet of Gas in Pipe Flush Tool? X

Rec. 20	Feet Of D.M.	%gas	%oil	%water 100	%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 107 °F Gravity °API @ °F Corrected Gravity °API

RW @ °F Chlorides ppm Recovery Chlorides 4500 ppm System

(A) Initial Hydrostatic Mud	2109 PSI	AK1 Recorder No. 11058	Range 4475		
(B) First Initial Flow Pressure	22 PSI	@ (depth) 3599	w/Clock No. 30401		
(C) First Final Flow Pressure	22 PSI	AK1 Recorder No. 22150	Range 3925		
(D) Initial Shut-In Pressure	23 PSI	@ (depth) 3611	w/Clock No. 25814		
(E) Second Initial Flow Pressure	22 PSI	AK1 Recorder No.	Range		
(F) Second Final Flow Pressure	22 PSI	@ (depth)	w/Clock No.		
(G) Final Shut-In Pressure	22 PSI	Initial Opening 30	Test		
(H) Final Hydrostatic Mud	2080 PSI	Initial Shut-In 30	Jars		
		Final Flow 30	Safety Joint		
		Final Shut-In 30	Straddle		
			Circ. Sub		
			Sampler		
			Extra Packer		
			Other		
			TOTAL PRICE $		

Approved By Donald E. Shelden

Our Representative Dan Rangel

Printcraft Printers - Hays, KS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name MONGEAU 'A' #5 Test No. 2 Date 4/17/93

Company OXY USA, INC. Zone ARBUCKLE

Address 110 S MAIN WICHITA KS 67202 Elevation 2185

Co. Rep./Geo. STEVE DAVIS Cont. ABERCROMBIE DRLG RIG #8 Est. Ft. of Pay

Location: Sec. 27 Twp. 9S Rge. 19W Co. ROOKS State KS

Interval Tested 3611-3623

Anchor Length 12

Top Packer Depth 3606

Bottom Packer Depth 3611

Total Depth 3623

Drill Pipe Size 4.5" XH

Wt. Pipe I.D. - 2.7 Ft. Run 375

Drill Collar – 2.25 Ft. Run

Mud Wt. 9.2 lb/Gal.

Viscosity 49 Filtrate 9.6

Tool Open @ 5:40 AM Initial Blow 2" BLOW BUILDING TO 5 1/2"

Final Blow SURFACE BLOW BUILDING TO 4"

Recovery - Total Feet 230 Flush Tool? NO

Rec. 90 Feet of GAS IN PIPE

Rec. 120 Feet of CLEAN GASSY OIL 10%GAS/90%OIL

Rec. 110 Feet of OIL CUT MUD 20%OIL/80%WATER

Rec. Feet of

Rec. Feet of

BHT 106 °F Gravity 26 °API @ 80 °F Corrected Gravity 24 °API

RW @ °F Chlorides ppm Recovery Chlorides ppm System

(A) Initial Hydrostatic Mud 1796.8 PSI AK1 Recorder No. 22150 Range 3975

(B) First Initial Flow Pressure 50.7 PSI @ (depth) 3613 w / Clock No. 30401

(C) First Final Flow Pressure 52.6 PSI AK1 Recorder No. 24174 Range 3050

(D) Initial Shut-in Pressure 630.7 PSI @ (depth) 3620 w / Clock No. 25814

(E) Second Initial Flow Pressure 85.2 PSI AK1 Recorder No. Range

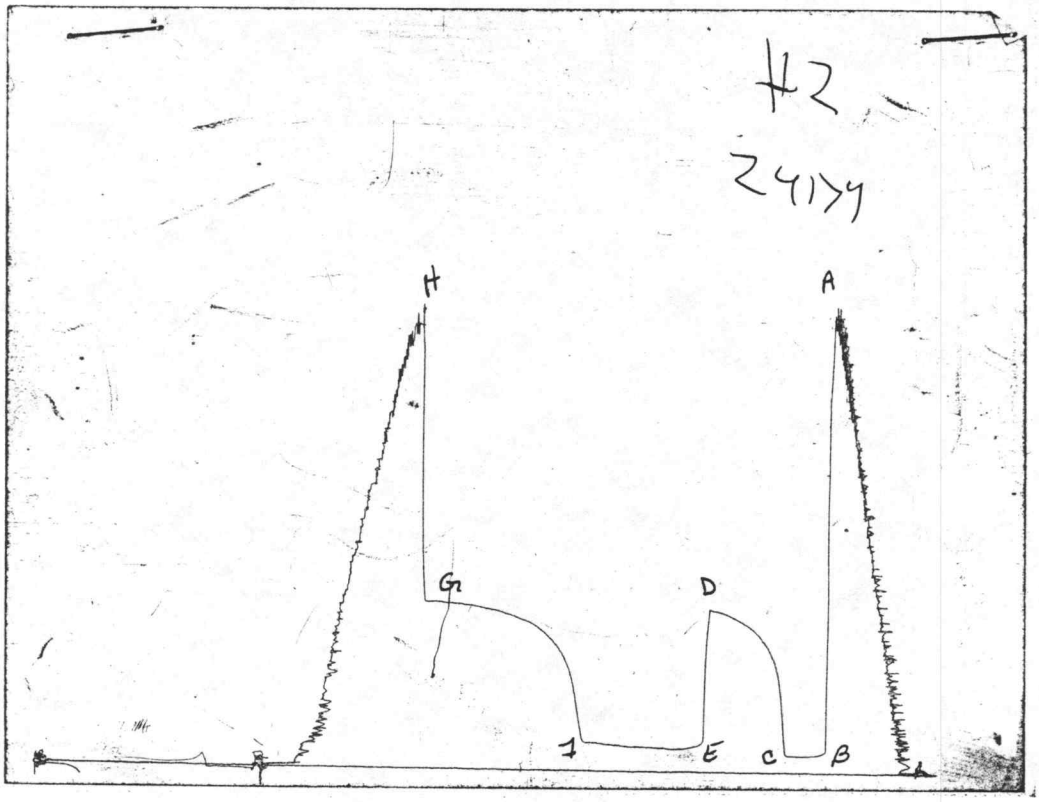
(F) Second Final Flow Pressure 97.7 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 647.2 PSI Initial Opening 30 Final Flow 90

(H) Final Hydrostatic Mud 1753.9 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative PAUL SIMPSON

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1795	1796.8
(B) FIRST INITIAL FLOW PRESSURE	59	50.7
(C) FIRST FINAL FLOW PRESSURE	67	52.6
(D) INITIAL CLOSED-IN PRESSURE	636	630.7
(E) SECOND INITIAL FLOW PRESSURE	74	85.2
(F) SECOND FINAL FLOW PRESSURE	104	97.7
(G) FINAL CLOSED-IN PRESSURE	644	647.2
(H) FINAL HYDROSTATIC MUD	1750	1753.9

CALCULATED RECOVERY ANALYSIS

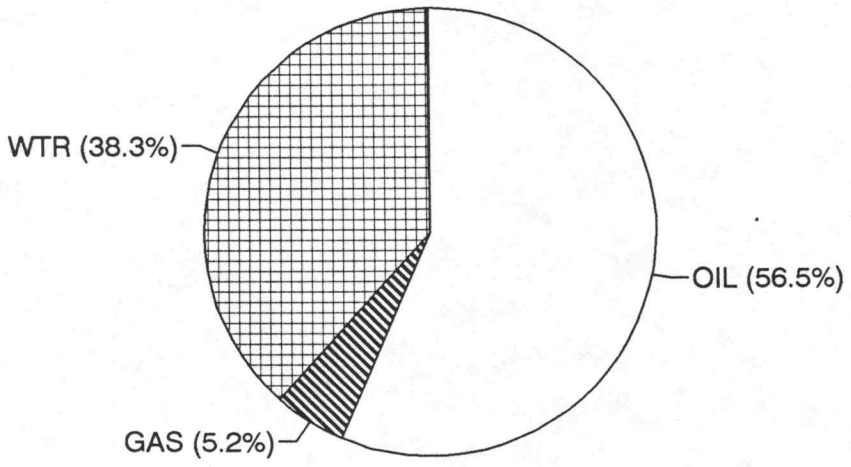
WEIGHT PIPE

DST # 2

TICKET # 5721

SAMPLE #	TOTAL FEET	%	GAS FEET	%	OIL FEET	%	WATER FEET	%	MUD FEET
1	120	10	12	90	108		0		0
2	110		0	20	22	80	88		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	230	5.217	12	56.521739	130	38.261	88	0	0

			HRS OPEN	BBL/DAY
BBL OIL=	0.91	*	2	10.92
BBL WATER=	0.616	*		7.392
BBL MUD=	0			
BBL GAS=	0.084			



INITIAL FLOW

RECORDER # 22150 DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
3	50.7	50.7
6	50.7	0
9	50.7	0
12	50.7	0
15	50.7	0
18	50.7	0
21	52.6	1.9
24	52.6	0
27	52.6	0
30	52.6	0

FINAL FLOW

RECORDER # 22150 DST # 2

TIME(MIN)	PRESSURE	<> PRESSURE
6	79.5	79.5
12	78.5	-1
18	78.5	0
24	78.5	0
30	78.5	0
36	82.3	3.8
42	82.3	0
48	82.3	0
54	82.3	0
60	85.2	2.9
66	88.1	2.9
72	89.1	1
78	91.9	2.8
84	94.8	2.9
90	97.7	2.9

MONGEAU 'A DST #2
INITIAL SHUTIN

30 TOTAL FLOW TIME

Slope 435.13 psi/cycle
P * 704 psi

	TIME(MIN)	Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	3	219.3	1.041	219.3	11
	6	359.1	0.778	139.8	6
X	9	427.2	0.637	68.1	4
	12	469.3	0.544	42.1	4
	15	493.4	0.477	24.1	3
	18	513.6	0.426	20.2	3
	21	533.1	0.385	19.5	2
	24	548.4	0.352	15.3	2
	27	561.1	0.325	12.7	2
	30	571.7	0.301	10.6	2
	33	580.4	0.281	8.7	2
	36	588.1	0.263	7.7	2
	39	595.9	0.248	7.8	2
	42	600.7	0.234	4.8	2
	45	605.5	0.222	4.8	2
	48	612.3	0.211	6.8	2
	51	617.2	0.201	4.9	2
	54	621.1	0.192	3.9	2
	57	623.9	0.184	2.8	2
	60	627.8	0.176	3.9	2
X	63	630.7	0.169	2.9	1

MONGEAU 'A' DST #2
FINAL SHUTIN

120 TOTAL FLOW TIME

Slope 185.17 psi/cycle
P * 703 psi

		Pws (psi)	Log Horn T	<> PRESSURE	Horn T
	6	320.8	1.322	320.8	21
	12	433.9	1.041	113.1	11
	18	484.7	0.885	50.8	8
	24	521.4	0.778	36.7	6
	30	543.6	0.699	22.2	5
	36	562.9	0.637	19.3	4
	42	577.5	0.586	14.6	4
	48	590.1	0.544	12.6	4
	54	600.7	0.508	10.6	3
	60	610.4	0.477	9.7	3
	66	616.2	0.450	5.8	3
	72	621.1	0.426	4.9	3
	78	625.9	0.405	4.8	3
	84	628.8	0.385	2.9	2
	90	634.6	0.368	5.8	2
	96	638.5	0.352	3.9	2
x	102	640.4	0.338	1.9	2
	108	643.3	0.325	2.9	2
	114	646.2	0.312	2.9	2
X	120	647.2	0.301	1.0	2

1 Wichita
1 P-Ville
3-OKC

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 5721

Well Name & No. Mongeau 'A' #5 Test No. 2 Date 4-17-93

Company OXY USA Inc Zone Tested Arbuckle

Address Elevation 2185 KB

Co. Rep./Geo. Steve Davis Cont. Abercrombie #8 Est. Ft. of Pay

Location: Sec. 27 Twp. 9 Rge. 19 Co. Rooks State Ks

No. of Copies 5 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 3611 - 3623 Drill Pipe Size 4½ XH

Anchor Length 12 Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 3606 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 3611 Wt. Pipe I.D. — 2.7 Ft. Run 375

Total Depth 3623 Drill Collar — 2.25 Ft. Run ____

Mud Wt. 9.2 lb / gal. Viscosity 49 Filtrate 9.6

Tool Open @ 5:40AM Initial Blow 2" blow building to 5½"

Final Blow surface blow building to 4"

Recovery — Total Feet 230 Feet of Gas in Pipe 90 Flush Tool? ____

Rec. 120	Feet Of	cl gassy oil	%gas 10	%oil 90	%water	%mud
Rec. 110	Feet Of	OCM	%gas 20	%oil	%water 80	%mud
Rec. ____	Feet Of		%gas	%oil	%water	%mud
Rec. ____	Feet Of		%gas	%oil	%water	%mud
Rec. ____	Feet Of		%gas	%oil	%water	%mud

BHT 106 °F Gravity 26 °API @ 80 °F Corrected Gravity 24 °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides ____ ppm System

(A) Initial Hydrostatic Mud	1795 PSI	AK1 Recorder No.	22150	Range	3925
(B) First Initial Flow Pressure	59 PSI	@ (depth)	3613	w/Clock No.	30401
(C) First Final Flow Pressure	67 PSI	AK1 Recorder No.	24174	Range	3050
(D) Initial Shut-In Pressure	636 PSI	@ (depth)	3620	w/Clock No.	25814
(E) Second Initial Flow Pressure	74 PSI	AK1 Recorder No.	____	Range	____
(F) Second Final Flow Pressure	104 PSI	@ (depth)	____	w/Clock No.	____
(G) Final Shut-In Pressure	644 PSI	Initial Opening	30	Test	____
(H) Final Hydrostatic Mud	1750 PSI	Initial Shut-In	60	Jars	____
		Final Flow	90	Safety Joint	____
		Final Shut-In	120	Straddle	____
				Circ. Sub	____
				Sampler	____
				Extra Packer	____
				Other	____
				TOTAL PRICE $	____

Approved By Donald E. Mueller

Our Representative Paul Simpson

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