

WELL NAME: Shrauner "M-1"
COMPANY: Robinson Oil Co.
LOCATION: 6-31s-21w
Clark co Kansas
DATE: 8/24/00

TRILOBITE TESTING L.L.C.

OPERATOR : Robinson Oil Co. DATE 8-17-00
WELL NAME: Shrauner "M-1" KB 2152.00 ft TICKET NO: 12645 DST #1
LOCATION : 6-31S-21W Clark co KS GR 2142.00 ft FORMATION: Morrow
INTERVAL : 5134.00 To 5174.00 ft TD 5174.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10242	10242	3017			PF Fr. 1550 to 1620 hr
SI 60 Range(Psi)	4175.0	4175.0	5000.0	0.0	0.0	IS Fr. 1620 to 1720 hr
SF 60 Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 1720 to 1820 hr
FS 90 Depth(ft)	5171.0	5171.0	5141.0	0.0	0.0	FS Fr. 1820 to 1950 hr

	Field	1	2	3	4	
A. Init Hydro	2537.0	2539.0	2462.0	0.0	0.0	T STARTED 1320 hr
B. First Flow	439.0	473.0	427.0	0.0	0.0	T ON BOTM 1546 hr
B1. Final Flow	481.0	507.0	463.0	0.0	0.0	T OPEN 1550 hr
C. In Shut-in	725.0	756.0	725.0	0.0	0.0	T PULLED 1950 hr
D. Init Flow	359.0	376.0	266.0	0.0	0.0	T OUT 2340 hr
E. Final Flow	504.0	539.0	488.0	0.0	0.0	
F. Fl Shut-in	725.0	756.0	719.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2528.0	2509.0	2455.0	0.0	0.0	Tool Wt. 2300.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 33000.00 lbs
						Initial Str Wt 88000.00 lbs
						Unseated Str Wt 92000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 575.00 ft
						D.P. Length 4551.00 ft

RECOVERY

Tot Fluid 850.00 ft of 575.00 ft in DC and 275.00 ft in DP	
4276.00 ft of Gas in pipe	
185.00 ft of Gassy Water cut mud	
0.00 ft of 8% gas 34% water 58% mud	
665.00 ft of Gassy water	
0.00 ft of 3% gas 97% water	
0.00 ft of	
0.00 ft of	
0.00 ft of	
SALINITY 46500.00 P.P.M. A.P.I. Gravity 0.00	

BLOW DESCRIPTION

Initial Flow:
Strong bottom of bucket in 1 minute.
Gas to surface in 4 minutes. Gauged
883,000 CFPD
Initial Shut-In:
No blow back.
Final Flow:
Gauged 973,000 CFPD. Stabilized for
final 40 minutes.
Final Shut-In:
No blow back.
Remarks: Est. 13 Ft. of Pay. Gas burned.

SAMPLES: One
SENT TO: Caraway

MUD DATA-----
Mud Type Chemical
Weight 8.90 lb/cf
Vis. 45.00 S/L
W.L. 9.40 in3
F.C. 0.00 in
Mud Drop Y 10.0 ft
Amt. of fill 12.00 ft
Btm. H. Temp. 116.00 F
Hole Condition Fair
% Porosity 20.00
Packer Size 6.75 in
No. of Packers 2
Cushion Amt. 0.00
Cushion Type
Reversed Out N
Tool Chased N
Tester Lanny Saloga
Co. Rep. Ben Landes
Contr. Val
Rig # 2
Unit #
Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Shrauner "M-1"

LOCATION : 6-31S-21W Clark co KS

TICKET No. 12645 D.S.T. No. 1 DATE 8-17-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 10

TOTAL TOOL 37

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 30

TOTAL ASSEMBLY 67

D.C. ABOVE TOOLS.Stands 9 Single 1 Total 575

D.P. ABOVE TOOLS.Stands 73 Single 1 Total 4551

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5193

TOTAL DEPTH 5174

TOTAL DRILL PIPE ABOVE K.B. 19

REMARKS:

Pit chlorides 11,500 PPM.

Rec. chlorides 46,500 PPM.

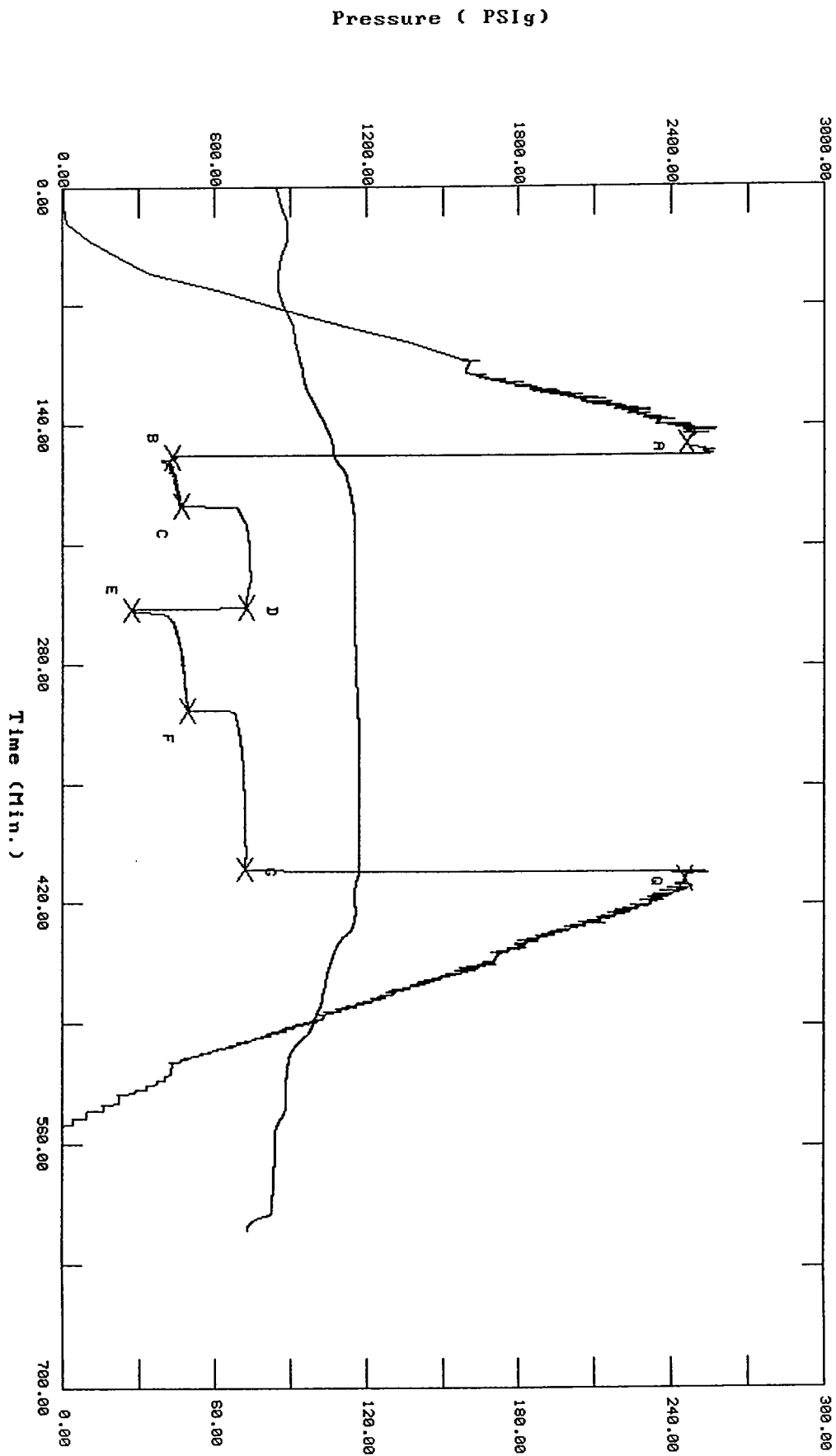
Slid tool 12 ft. to bottom.

P.O. SUB Cir. sub	5047
C.O. SUB Top of tool	5107
Double pin	5108
S.I. TOOL Sterling	5113
HMV Sterling	5118
JARS Bowen	5123
SAFETY JOINT Bowen	5125
PACKER Sparton	5130
PACKER Sparton	5134
DEPTH	
1 ft.	5135
ANCHOR 5 ft. perf	5140
Co. sub	5141
Alpine	5141
1 jt. DP 30 ft.	5171
AK-1	5171
Co. sub	5172
BULLNOSE 2 ft. perf	
T.D.	5174

TEST HISTORY

Flag Points
t(Min.) P(PSig)

A:	0.00	2462.65
B:	0.00	427.53
C:	28.50	463.67
D:	59.50	725.61
E:	0.00	266.43
F:	59.00	488.33
G:	93.00	719.30
H:	0.00	2455.12





GAS VOLUME REPORT

Robinson Oil Co.
OPERATOR

Sprauer "M-1"
WELL NAME AND NO.

DST NO.

GTS 4 min. into I.F.P.

I.F.P.

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Remarks: Gas burned

1 sample to Caraway.

Well Name Shrauner

DST Number 1

Recorder Number 10242

A: 2512 2639

B: 405 473

C: 437 507

D: 673 756

E: 322 376

F: 464 539

G: 073 756

Q: 2483 2609

GAS RECOVERY

COMPANY: Robinson Oil Co. DATE: 8-17-00
 WELL NAME: Shrauner "M-1" KB Elev: 2152.00 ft TICKET #12645 DST #1
 WELL LOCATION: 6-31S-21W Clark co KS GR Elev: 2142.00 ft FORMATION: Morrow
 INTERVAL Fr.: 5134.00 To 5174.00 T.D.: 5174.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Orifice

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.75	21	0	411000.0
10	0.75	38	0	617000.0
15	0.75	48	0	732000.0
20	0.75	56	0	825000.0
30	0.75	61	0	883000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	1.00	24	0	817000.0
20	1.00	29	0	930000.0
30	1.00	31	0	973000.0
40	1.00	31	0	973000.0
50	1.00	31	0	973000.0
60	1.00	31	0	973000.0

NATURAL GAS ANALYSIS REPORT

Sampled by:

Trilobite Testing, L. L. C.
Hays, Kansas
Scott City, Kansas
Phone: 800-728-5369
Fax: 913-625-5620

Analyzed by:

Caraway Analytical, Inc
P. O. Box 2137
Liberal, Kansas 67905
Phone: 316-624-5389
Fax: 316-626-7108

Sample From: Shravner M-1 DST 1
Producer: Robinson Oil Co

Pressure:
Temperature:

Time:
Sampler: Lanny Saloga
Source:

County: Clark
State: Kansas
Formation: Morrow

	Mole %	GPM
Helium	He: 0.241	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 7.050	0.000
Carbon Dioxide	CO2: 0.224	0.000
Methane	C1: 84.172	0.000
Ethane	C2: 4.453	1.191
Propane	C3: 1.997	0.550
Iso Butane	iC4: 0.259	0.085
Normal Butane	nC4: 0.541	0.171
Iso Pentane	iC5: 0.148	0.054
Normal Pentane	nC5: 0.202	0.073
Hexanes Plus	C6+: 0.713	0.311

TOTAL: 100.000 2.435

Z Fact: 0.9976

SP.GR.: 0.6644

BTU (SAT): 1042.4 @ 14.73 psia
BTU (DRY): 1060.8 @ 14.73 psia

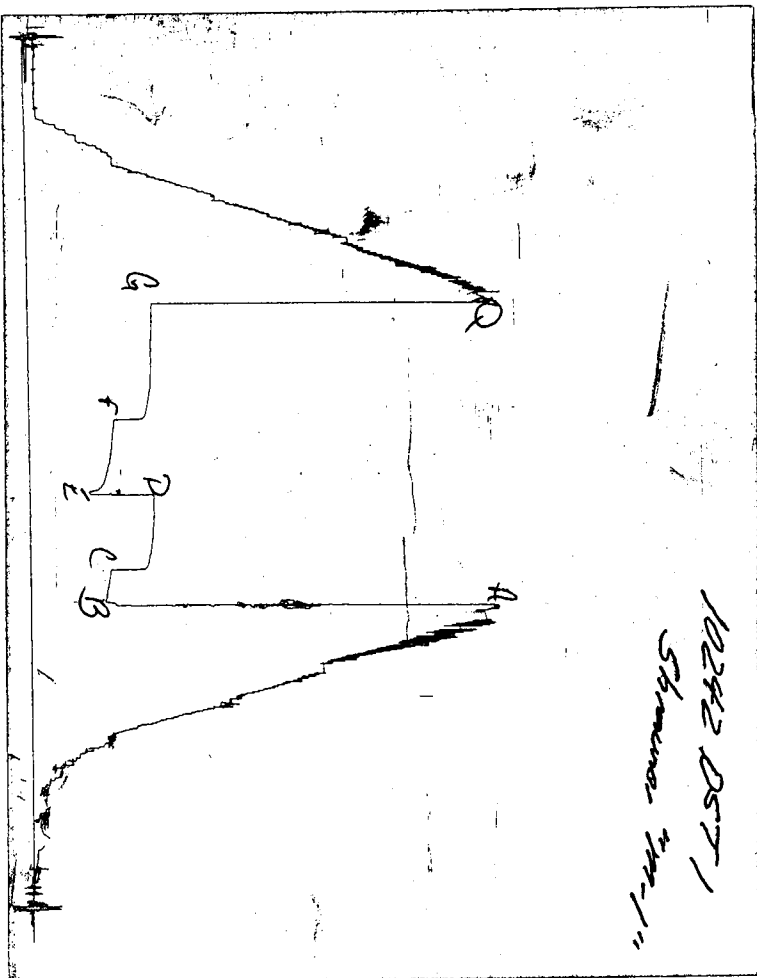
OCTANE RATING: 117.0

COMMENTS:

0.000

CHART PAGE

10242 D571
Shannon 4/11/11



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12645

Well Name & No.	<u>Schrauber "M-1"</u>	Test No.	<u>1</u>	Date	<u>8-17-00</u>
Company	<u>Robinson Oil Co.</u>	Zone Tested	<u>Moran</u>		
Address	<u>300 W. Douglas Wichita KS 67202</u>	Elevation	<u>2152</u>	KB	<u>2142</u> GL
Co. Rep / Geo.	<u>Ben Landers</u>	Cont.	<u>Val Rig 2</u>	Est. Ft. of Pay	<u>13</u> Por. <u>20</u> %
Location: Sec.	<u>6</u>	Twp.	<u>31S</u>	Rge.	<u>21W</u> Co. <u>Clark</u> State <u>KS</u>
No. of Copies	<u>6</u>	Distribution Sheet (Y, N)	<u>N.</u>	Turnkey (Y, N)	<u>N.</u> Evaluation (Y, N) <u></u>

Interval Tested	<u>5134-5174</u>	Initial Str Wt./Lbs.	<u>88000</u>	Unseated Str Wt./Lbs.	<u>92000</u>
Anchor Length	<u>40'</u> Tool= <u>27'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>33000</u>
Top Packer Depth	<u>5129</u>	Tool Weight	<u>2,300</u>		
Bottom Packer Depth	<u>5134</u>	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	<u>5174</u>	Wt. Pipe Run	<u>—</u>	Drill Collar Run	<u>525</u>
Mud Wt.	<u>9.2</u> LCM <u>2#</u> Vis. <u>45</u> WL <u>9.4</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>4551 19 up</u>
Blow Description	<u>Strong OBB in 1 min. GTS in 4 min. See Flow Chart. T.F.P.</u>				
	<u>No blow-back. T.S.T.P.</u>				
	<u>See Flow Chart. F.F.P.</u>				
	<u>No blow-back. F.S.T.P.</u>				

Recovery — Total Feet	<u>850</u>	GIP	<u>41276</u>	Ft. in DC	<u>525</u>	Ft. in DP	<u>225</u>
Rec.	<u>185</u>	Feet Of	<u>Gassy with out mud</u>	8% gas	% oil	34% water	58% mud
Rec.	<u>665</u>	Feet Of	<u>Gassy with</u>	3% gas	% oil	97% water	% mud
Rec.		Feet Of		% gas	% oil	% water	% mud
Rec.		Feet Of		% gas	% oil	% water	% mud
Rec.		Feet Of		% gas	% oil	% water	% mud
BHT	<u>116</u>	°F Gravity	<u>—</u>	°API D@	<u>—</u>	°F Corrected Gravity	<u>—</u> °API
RW	<u>0.17</u> @ <u>67</u>	°F Chlorides	<u>46,500</u>	ppm Recovery		Chlorides	<u>14,500</u> ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	<u>2537</u>	<u>2462</u>	PSI	Recorder No.	<u>3017 "13:10"</u>	T-On Location	<u>9:00 A.M.</u>
(B) First Initial Flow Pressure	<u>439</u>	<u>427</u>	PSI	(depth)	<u>5141</u>	T-Started	<u>1:20 P.M.</u>
(C) First Final Flow Pressure	<u>481</u>	<u>463</u>	PSI	Recorder No.	<u>10242</u>	T-Open	<u>3:50 P.M.</u>
(D) Initial Shut-In Pressure	<u>725</u>	<u>725</u>	PSI	(depth)	<u>5171</u>	T-Pulled	<u>7:50 P.M.</u>
(E) Second Initial Flow Pressure	<u>359</u>	<u>266</u>	PSI	Recorder No.	<u>—</u>	T-Out	<u>11:40 P.M.</u>
(F) Second Final Flow Pressure	<u>504</u>	<u>488</u>	PSI	(depth)	<u>—</u>	T-Off Location	<u>—</u>
(G) Final Shut-in Pressure	<u>725</u>	<u>719</u>	PSI	Initial Opening	<u>30</u>	Test	<u>1800</u> ✓
(Q) Final Hydrostatic Mud	<u>2528</u>	<u>2455</u>	PSI	Initial Shut-in	<u>60</u>	Jars	<u>1 200</u> ✓
				Final Flow	<u>60</u>	Safety Joint	<u>150</u> ✓
				Final Shut-in	<u>90</u>	Straddle	<u>—</u>

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Approved By [Signature]

Our Representative [Signature]

Circ. Sub	<u>1</u>
Sampler	<u>—</u>
Extra Packer	<u>—</u>
Elec. Rec.	<u>150</u> ✓
Mileage	<u>58.125</u> ✓
Other	<u>1505 H.A.S.</u> ✓
TOTAL PRICE \$	<u>4525.00</u>

1452.00