

15-083-21459

15-21s-24w

Well Name: McGaughey #1
Company: Raymond Oil Co Inc.
Location: 15-21s-24w
Hodgeman County Kansas
Date: 7-16-99

TRILOBITE TESTING L.L.C.

OPERATOR : Raymond Oil Co, Inc. DATE 7-15-99
 WELL NAME: McGaughey #1 KB 2440.00 ft TICKET NO: 11504 DST #1
 LOCATION : 15-21s-24w Hodegeman KS GR 2432.00 ft FORMATION: Miss
 INTERVAL : 4486.00 To 4495.00 ft TD 4495.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13754	13754	2341			PF Fr. 2235 to 2305 hr
SI 30	Range(Psi)	4000.0	4000.0	4995.0	0.0	0.0	IS Fr. 2305 to 2335 hr
SF 30	Clock(hrs)	12	12	elect			SF Fr. 2335 to 0005 hr
FS 30	Depth(ft)	4492.0	4492.0	4487.0	0.0	0.0	FS Fr. 0005 to 0035 hr

	Field	1	2	3	4	
A. Init Hydro	2157.0	2135.0	2208.0	0.0	0.0	T STARTED 2032 hr
B. First Flow	9.0	5.0	10.0	0.0	0.0	T ON BOTM 2231 hr
B1. Final Flow	9.0	5.0	16.0	0.0	0.0	T OPEN 2235 hr
C. In Shut-in	1206.0	1213.0	1237.0	0.0	0.0	T PULLED 0035 hr
D. Init Flow	19.0	17.0	17.0	0.0	0.0	T OUT hr
E. Final Flow	19.0	17.0	21.0	0.0	0.0	
F. Fl Shut-in	1157.0	1144.0	1161.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2147.0	2101.0	2174.0	0.0	0.0	Tool Wt. 1000.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 57000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 50000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4480.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP
 5.00 ft of Mud cut water 20% mud 80% water
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 20000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Weak steady surface blow

Final Flow:
 No blow

SAMPLES:
 SENT TO:

MUD DATA-----
 Mud Type Chemical
 Weight 9.30 lb/cf
 Vis. 45.00 S/L
 W.L. 9.40 in3
 F.C. 0.00 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 127.00 F
 Hole Condition Good
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Dan Bangle
 Co. Rep. Clarke Sandberg
 Contr. Duke
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: McGaughey #1

LOCATION : 15-21s-24w Hodegeman KS

WELL No. 11504 D.S.T. No. 1 DATE 7-15-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 23

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 9

TOTAL TOOL 32

WELL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STAND.Stands Single Total

P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY 32

C. ABOVE TOOLS.Stands Single Total

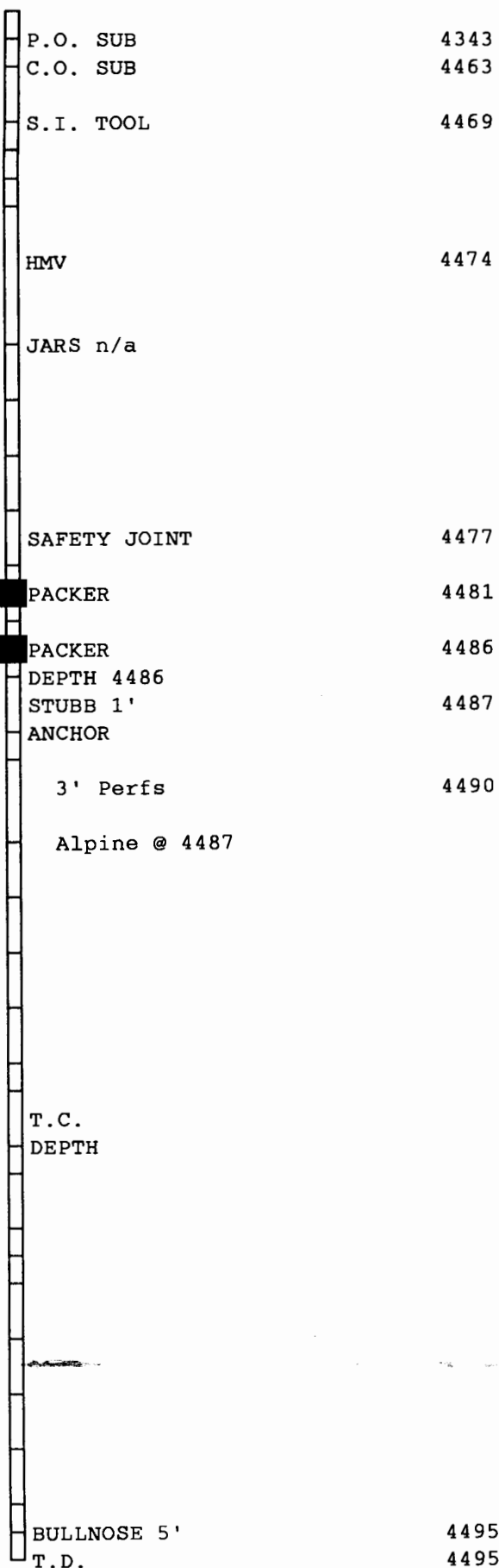
P. ABOVE TOOLS.Stands72 Single Total 4480

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4512

TOTAL DEPTH 4495

TOTAL DRILL PIPE ABOVE K.B. 17

REMARKS:

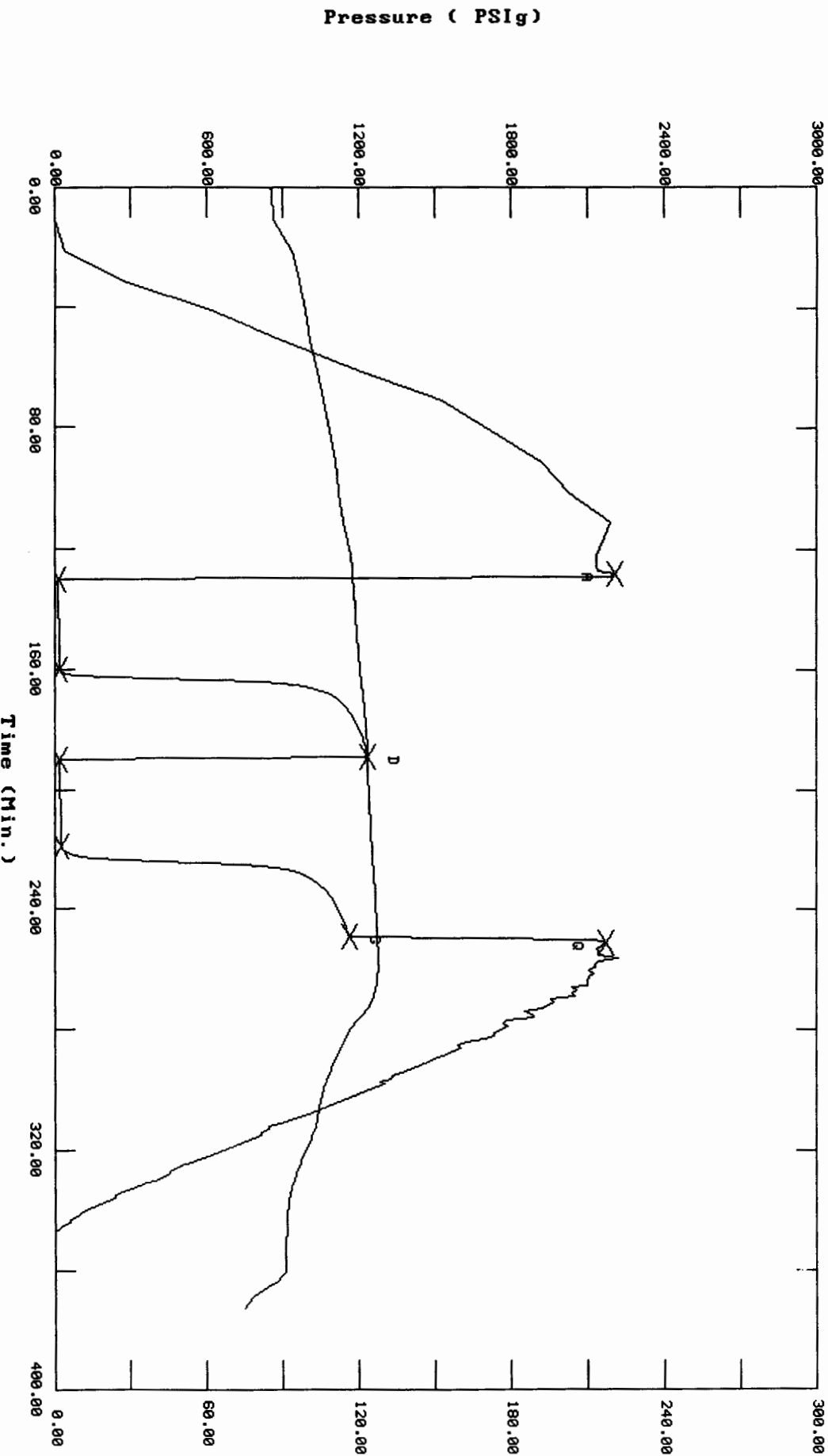


TK# 11504 DST# 1 McCaughey #1 Raymond Oil Co

TEST HISTORY

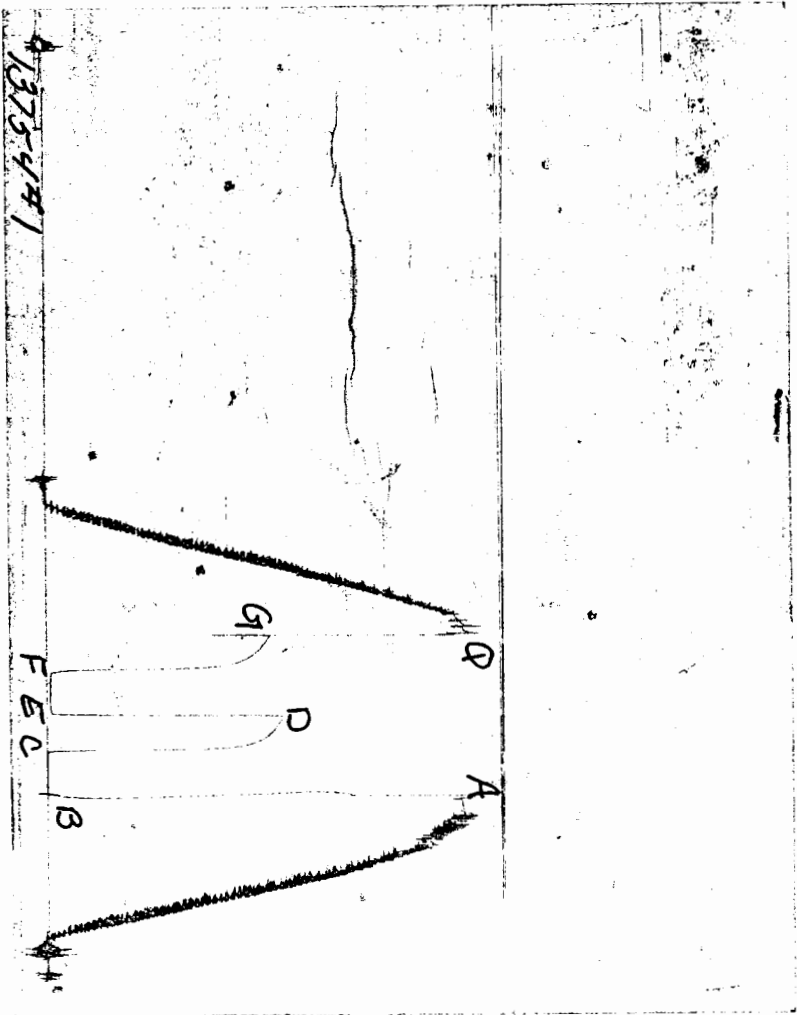
Flag Points
 (Min.) P (PSig)

R:	0.00	2207.84
B:	0.00	10.12
C:	30.00	15.55
D:	29.00	1237.19
E:	0.00	16.62
F:	29.00	21.08
G:	30.00	1150.55
Q:	0.00	2174.07



Temperature (DEG F)

CHART PAGE



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

No 11504

Well Name & No. <u>Mc Gaughey #1</u>	Test No. <u>1</u>	Date <u>2-15-99</u>
Company <u>Raymond Oil Co, Inc</u>	Zone Tested <u>Miss</u>	
Address <u>P.O. Box 48788, Wichita, Ks. 67201-8788</u>		Elevation <u>2440</u> KB <u>2432</u> GL
Co. Rep/Geo. <u>Clarke Sandberg</u>	Cont. <u>Duke #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>15</u> Twp. <u>21</u> Rge. <u>24</u>	Co. <u>Hodgeman</u> State <u>Ks</u>	
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>4486 - 4495</u>	Initial Str Wt/Lbs. <u>5000</u>	Unseated Str Wt/Lbs. <u>50,000</u>
Anchor Length <u>9</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>57,000</u>
Top Packer Depth <u>4481</u>	Tool Weight <u>1000</u>	
Bottom Packer Depth <u>4486</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>4495</u>	Wt. Pipe Run <u> </u>	Drill Collar Run <u> </u>
Mud Wt. <u>9.3</u> LCM <u>IR</u> Vis. <u>45</u> WL <u>9.4</u>	Drill Pipe Size <u>4.5 XH</u>	Ft. Run <u>4480</u>
Blow Description <u>IF. Weak steady surface blow</u>		

E.F. No blow

Recovery — Total Feet <u>5</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u>5</u>
Rec. <u>5</u> Feet Of <u>mud cut wtr.</u>	%gas <u> </u>	%oil <u> </u>	<u>80</u> %water <u>20</u> %mud
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
BHT <u>127</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u>	°API <u> </u>
RW <u>.30</u> @ <u>80</u> °F Chlorides <u>20,000</u> ppm	Recovery <u> </u>	Chlorides <u>8,000</u> ppm	System <u> </u>

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2157</u>	<u>2208</u>	PSI Recorder No. <u>2341</u>	T-On Location <u>20:05</u>	
(B) First Initial Flow Pressure	<u>9</u>	<u>10</u>	PSI (depth) <u>4487</u>	T-Started <u>20:32</u>	
(C) First Final Flow Pressure	<u>9</u>	<u>16</u>	PSI Recorder No. <u>13754</u>	T-Open <u>23:35</u>	
(D) Initial Shut-In Pressure	<u>1206</u>	<u>1237</u>	PSI (depth) <u>4492</u>	T-Pulled <u>00:35</u>	
(E) Second Initial Flow Pressure	<u>19</u>	<u>17</u>	PSI Recorder No. <u> </u>	T-Out <u>02:30</u>	
(F) Second Final Flow Pressure	<u>19</u>	<u>21</u>	PSI (depth) <u> </u>	T-Off Location <u> </u>	
(G) Final Shut-in Pressure	<u>1156</u>	<u>1161</u>	PSI Initial Opening <u>30</u>	Test <u>700</u>	
(Q) Final Hydrostatic Mud	<u>2147</u>	<u>2174</u>	PSI Initial Shut-in <u>30</u>	Jars <u> </u>	
			Final Flow <u>30</u>	Safety Joint <u>X</u> <u>50</u>	
			Final Shut-in <u>30</u>	Straddle <u> </u>	
				Circ. Sub <u> </u>	
				Sampler <u> </u>	
				Extra Packer <u> </u>	
				Elec. Rec. <u>X</u> <u>150</u>	
				Mileage <u> </u>	
				Other <u> </u>	
				TOTAL PRICE \$ <u>900</u>	

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Approved By [Signature]
 Our Representative Dan Bangle

Well Name McGaughey #1
DST Number _____
Recorder Number 13754

A: 2.155 2135
B: .06 5
C: .06 5
D: 1.227 1213
E: .018 17
F: .018 17
G: 1.158 1144
Q: 2.114 210¹