

API 15-007-22921-00-00

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902 15736L

Date 09-07-2005 Location S 1/4 Sec 17 T22N R13W Elevation 1584 K5 County Barber

Company Raymond Oil Company INC. Number of Copies 5

Charts Mailed to P.O. Box 48788 Wichita Kansas 67201-8788

Drilling Contractor DUCE Drilling Rigs #1

Length Drill Pipe 2615 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 X 4

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 2637 Bottom Packer Depth 2642 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 2642 TO 2664 ANCHOR LENGTH 22 TOTAL DEPTH 2664 Hole Size 7 7/8

EASE & WELL NO. DUGAN TRUST #1 FORMATION TESTED _____ TEST NO. 1

Mud Weight 9.9 Viscosity 47 Water Loss 11.4 Chlorides - Ppts 3000 D.S.T. _____

Maximum Temp. 91 °F Initial Hydrostatic Pressure (A) 1313 P.S.I. Final Hydrostatic Pressure (H) 1239 P.S.I.

Tool Open I.F.P. from 10:25 m to 10:55 m 30 min

Tool Closed I.C.I.P. from 10:55 m to 11:55 m 60 min

Tool Open F.F.P. from 11:55 m to 12:40 m 45 min

Tool Closed F.C.I.P. from 12:40 m to 2:10 m 90 min

Initial Blow Strong blow with Gas to surface in 3 minutes

Final Blow Strong blow - SEE Gas flow Report

Total Feet Recovered 130 Gravity of Oil _____ Corrected

<u>70</u> Feet of <u>Mud</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
<u>60</u> Feet of <u>Muddy water chlorides 48000</u>	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____

Remarks _____

Extra Equipment - Jars YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 4005 Clock No. ELECTRONIC Depth 2660 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 4774 Depth 2661 Insurance NONE

Title of Job _____

Job Operator Don Buldy

Approved By _____

NO 14611

from [B] <u>339156</u> P.S.I. to [C] <u>447</u> P.S.I.
[D] <u>1109</u> P.S.I.
from [E] <u>369</u> P.S.I. to [F] <u>447</u> P.S.I.
[G] <u>1102</u> P.S.I.

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33-31-13W

SUPERIOR TESTERS ENTERPRISES L.L.C.

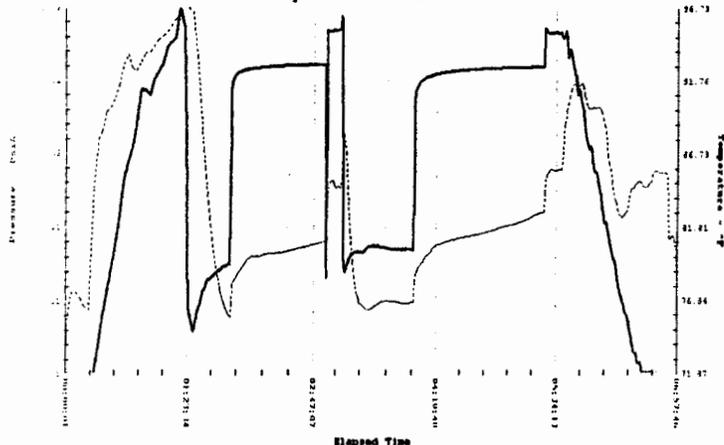
1 (800)792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530

Company: **RAYMOND OIL COMPANY INC.** Lease & Well No. **DUGAN TRUST "E" #1** Test #: 1 Date: 09-07-2005

Temperature / Pressure Data



- | | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1313 |
| 2 | Initial Flow Pressure | 156 |
| 3 | Final Initial Flow Pressure | 397 |
| 4 | Initial Shut-In Pressure | 1109 |
| 5 | Initial Final Flow Pressure | 369 |
| 6 | Final Flow Pressure | 447 |
| 7 | Final Shut-In Pressure | 1102 |
| 8 | Final Hydrostatic Pressure | 1239 |

Maximum Temperature 91

GENERAL INFORMATION

COMPANY NAME **RAYMOND OIL COMPANY INC.**

TEST DATE **9/7/05**

LEASE AND WELL NUMBER **DUGAN TRUST "E" #1**

SECTION-TOWN-RANGE **33-31S-13W**

FORMATION TESTED **INDIAN CAVE**

STATE **KANSAS**

DRILL STEM TEST NUMBER **1**

COUNTY **BARBER**

REPORT NUMBER **14611**

ELEVATION GROUND LEVEL **1573**

ELEVATION KELLY BUSHINGS **1584**

COMPANY REPRESENTATIVE **CLARK SANDBERG**

TESTING ENGINEER **GENE BUDIG**

TOOL SETTING INFORMATION

TEST INTERVAL (From) **2642**

TOP PACKER DEPTH **2637**

TEST INTERVAL (to) **2664**

BOTTOM PACKER DEPTH **2642**

ANCHOR LENGTH **22**

NUMBER OF PACKERS **2**

TOTAL DEPTH (ft) **2664**

PACKER SIZE **6 3/4**

HOLE SIZE **7 7/8**

FLOW TIMES

TOOL OPEN (from) **10:25**

TOOL OPEN (from) **11:55**

INITIAL OPEN TOOL OPEN (to) **10:55**

FINAL OPEN TOOL OPEN (to) **12:40**

DURATION (min.) **30**

DURATION (min.) **45**

TOOL CLOSED (from) **10:55**

TOOL CLOSED (from) **12:40**

INITIAL SHUT-IN TOOL CLOSED (to) **11:55**

FINAL SHUT-IN TOOL CLOSED (to) **2:10**

DURATION (min.) **60**

DURATION (min.) **90**

INITIAL FLOW **STRONG BLOW WITH GAS TO SURFACE IN 3 MINUTES**

FINAL FLOW **STRONG BLOW SEE GAS FLOW REPORT**

FEET OF Recovery	RECOVERY DESCRIPTION	% GAS	% OIL	% MUD	% WATER
1) 70	MUD				
2) 60	MUDDY WATER				
3)	CHLORIDES 48000				
4)					
5)					
6)					

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND ,KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME **RAYMOND OIL COMPANY INC.**
TEST DATE **9/7/05**
SECTION-TOWN-RANGE **33-31S-13W**
STATE **KANSAS**
COUNTY **BARBER**
ELEVATION GROUND LEVEL **1573**
COMPANY REPRESENTATIVE **CLARK SANDBERG**
LEASE AND WELL NUMBER **DUGAN TRUST "E" #1**
FORMATION TESTED **INDIAN CAVE**
DRILL STEM TEST NUMBER **1**
REPORT NUMBER **14611**
ELEVATION KELLY BUSHINGS **1584**
TESTING ENGINEER **GENE BUDIG**

EXTRA EQUIPMENT

JARS **YES**
SAFETY JOINT **YES**
ELECTRONIC RECORDER **YES**
CIRCULATING SUB **NO**
202 MILES ROUND TRIP FROM GREAT BEND
TOP RECORDER DEPTH **2660**
RECORDER NUMBER **91981**
EXTRA PACKER (3RD) **NO**
EXTRA PACKER (4TH) **NO**
STRADDLE **NO**
HOOK WALL **NO**
SAMPLER **NO**
BOTTOM RECORDER DEPTH **2661**
RECORDER NUMBER **5463**

WELL INFORMATION

DRILLING CONTRACTOR **DUKE DRILLING RIG #1**
DRILL PIPE LENGTH **2615**
DRILL PIPE I.D. **3.8**
TOOL JOINT SIZE **4 1/2 X.H.**
DRILL COLLAR LENGTH
DRILL COLLAR I.D. **2.25**
TOOL JOINT SIZE **4 1/2 X.H.**
WEIGHT PIPE LENGTH
WEIGHT PIPE I.D. **2.25**
TOOL JOINT SIZE **4 1/2 X.H.**
MUD WEIGHT #/GAL **9**
VISCOSITY **47**
WATER LOSS **11.2**
CHLORIDES-PITS **3000**
CHLORIDES-DST

COMMENTS

SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

GAS FLOW RATE

(800) 792-6902

#

STATE..... KANSAS

Test Date 1/0/1900

COUNTY..... BARBER

Sec Town Range 33-31S-13W

FIELD.....

Report Number 14811

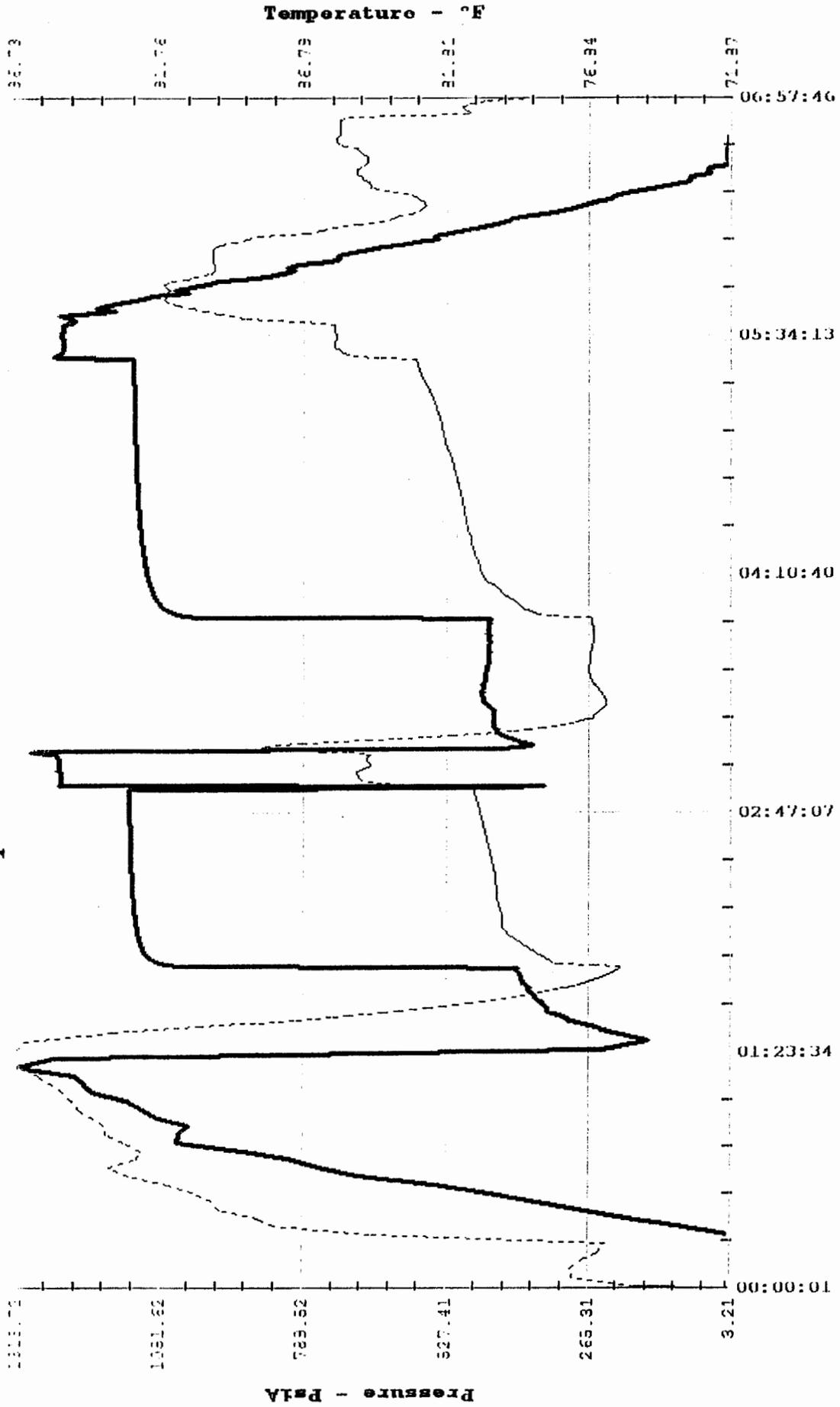
Initial Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPENED	10:35	10		8		1 1/2	1123.000
AT 10:25 WITH	10:40	15		10		1 1/2	1274.000
GAS TO	10:45	20		13		1 1/2	1490.000
SURFACE IN 3 MINUTES AT 10:28	10:55	30		15		1 1/2	1626.000

Final Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPENED	12:05	10		18		1 1/2	1824.000
AT 11:55	12:15	20		18		1 1/2	1824.000
	12:25	30		18		1 1/2	1824.000
	12:35	40		18		1 1/2	1824.000
	12:40	45		18		1 1/2	1824.000
THERE WAS A GAS SAMPLE TAKEN							

Temperature / Pressure Data



RAYMOND OIL COMPANY INC. DUGAN TRUST "E" # 1 09-07-2005 33-31S-13W

SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

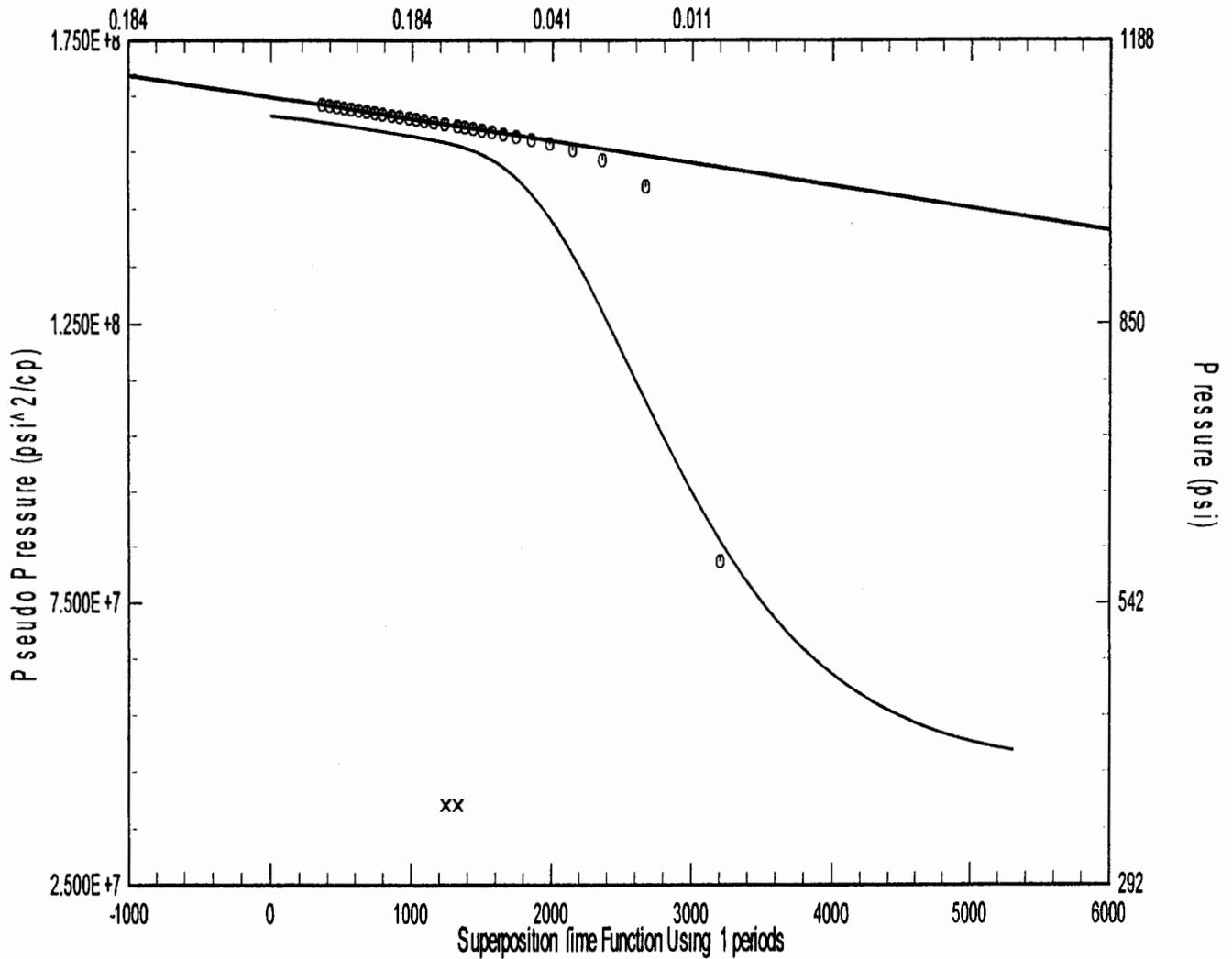
SUPERPOSITION ANALYSIS

800) 792-6902

1ST SHUT-IN

State KANSAS
 County BARBER
 Field

Test Date
 Sec Town Range 33-31S-13W
 Report Number 14611



MODEL RESULTS

Constant Storage C1 : 0.003 bbl/psi	Skin Model Skin : 18.76	Homogeneous k : 29.211 md Est Pi: 1095.1 psi	No Boundaries	h : 9 ft mu : 0.027 cp phi : 22.0% ct : 6.305E-04 1/psi rw : 3.208 ft BHT : 91 F FVF : 1.01
--	----------------------------	--	---------------	---

Field :
County or Parish :
State :

Date Printed: 09/08/05 04:23:47
Analysis Period : 2ND SHUT-IN
Comment : Line #

Superposition Slope -> m' -5028.027000
Horner Slope -> m -9.171122E+6
Intercept 1.651E+8
P(dt=1 hr) 1.624E+8
Pwf 5.582E+7
R Sqr -1.0000

Intercept (psi) 1119.663
k (md) 19.93242
kh (md-ft) 179.39182
k/u (md/cp) 732.80973
kh/uB (md-ft/cp) 6595.28759
Skin 10.5152
DP Skin 500.1866
Total DP 672.4732
Percent DP 74.38%

Radius Invest (ft) 91
Radius Time (hrs) 1.51

Delta Q = 1824
h (ft)= 9
mu (cp) = 0.0272
B (stb/scf) = 1.0080

First Point # -1
Second Point # -1
Start Real Time
End Real Time
Start SF Time

SUPERIOR TESTERS ENTERPRISES L.L.C.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

(800) 792-6902

2ND SHUT-IN

State **KANSAS**

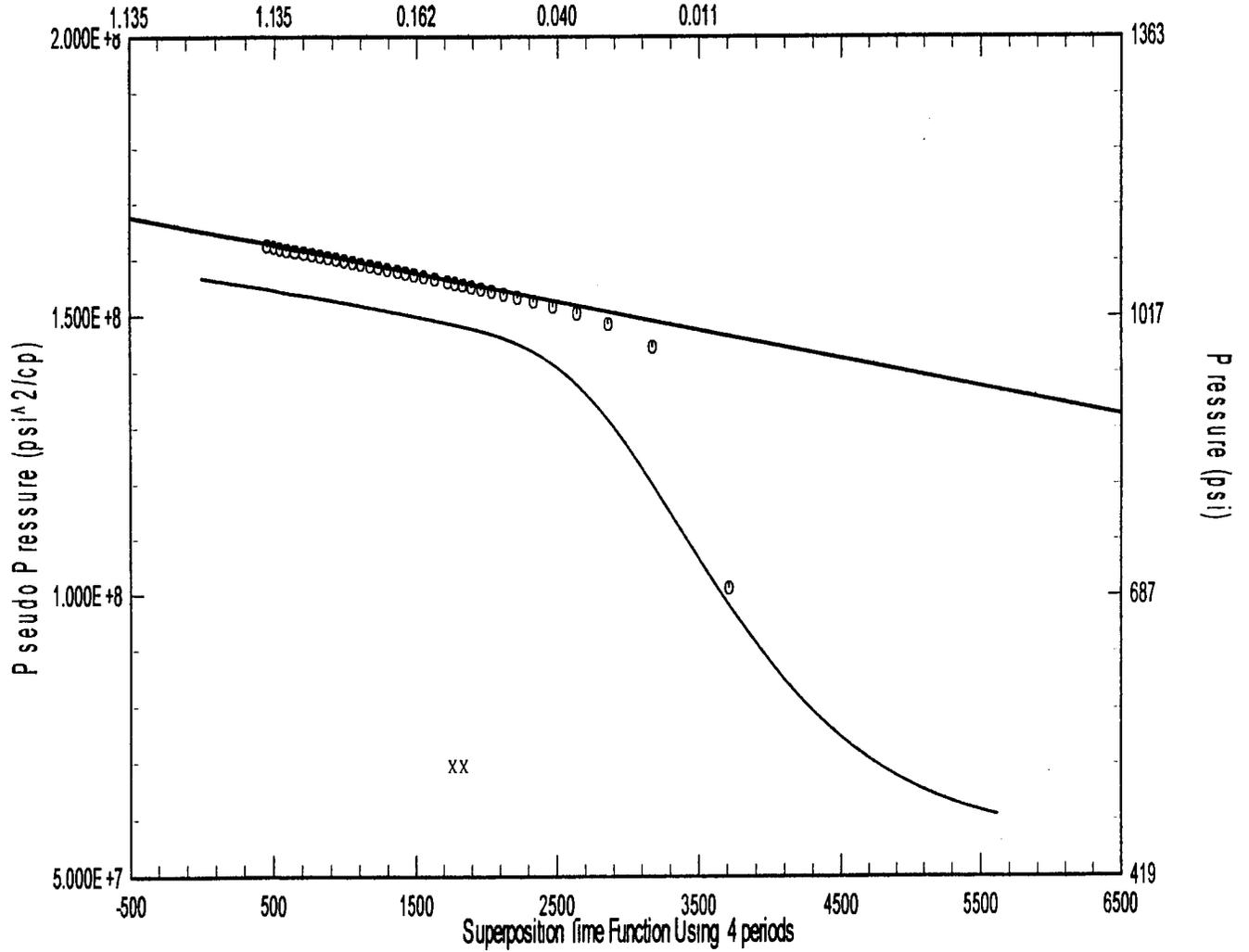
Test Date

County **BARBER**

Sec Town Range **33-31S-13W**

Field

Report Number **14611**



MODEL RESULTS

Constant Storage	Skin Model	Homogeneous	No Boundaries
C1 : 0.002 bbl/psi	Skin : 11.55	k : 22.677 md	h : 9 ft
		Est Pi: 1062.2 psi	mu : 0.027 cp
			phi : 22.0%
			ct : 6.305E-04 1/psi
			rw : 3.208 ft
			BHT : 91 F
			FVF : 1.01

Field :
County or Parish :
State :

Date Printed: 09/08/05 04:23:49
Analysis Period : 2ND SHUT-IN
Comment : Line #

Superposition Slope -> m' -5028.027000
Homer Slope -> m -9.171122E+6
Intercept 1.651E+8
P(dt=1 hr) 1.624E+8
Pwf 5.582E+7
R Sqr -1.0000

Intercept (psi) 1119.663
k (md) 19.93242
kh (md-ft) 179.39182
k/u (md/cp) 732.80973
kh/uB (md-ft/cp) 6595.28759
Skin 10.5152
DP Skin 500.1866
Total DP 672.4732
Percent DP 74.38%

Radius Invest (ft) 91
Radius Time (hrs) 1.51

Delta Q = 1824
h (ft)= 9
mu (cp) = 0.0272
B (stb/scf) = 1.0080

First Point # -1
Second Point # -1
Start Real Time
End Real Time
Start SF Time

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 9-8-05 Location 33-31^E-13^N Elevation 15736L 1584KB County Barber

Company Raymond Oil Company Inc Number of Copies 5

Charts Mailed to P.O. Box 48783 Wichita Kansas 67201-9788

Drilling Contractor Duke Drilling Rig #1

Length Drill Pipe 3364 I.D. Drill Pipe 3-8 Tool Joint Size 4 1/2 XH

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

Length Drill Collars _____ I.D. Drill Collars _____ Tool Joint Size _____

Top Packer Depth 3380 Bottom Packer Depth 3385 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 3385 TO 3415 ANCHOR LENGTH 30 TOTAL DEPTH 3415 Hole Size 7 7/8

LEASE & WELL NO. Degan Trust 11E#1 FORMATION TESTED Leosmotion TEST NO. #2

Mud Weight 9.2 Viscosity 46 Water Loss 10.9 Chlorides - Pits 5,000 D.S.T. _____

Maximum Temp. 110 °F Initial Hydrostatic Pressure (A) 11643 P.S.I. Final Hydrostatic Pressure (H) 11640 P.S.I.

Tool Open I.F.P. from 7:40 p.m. to 8:10 p.m. 30 min

Tool Closed J.C.I.P. from 8:10 p.m. to 9:10 p.m. 60 min

Tool Open F.F.P. from 9:10 p.m. to 9:55 p.m. 45 min

Tool Closed F.C.I.P. from 9:55 p.m. to 11:10 p.m. 75 min

from [B] <u>39</u> P.S.I. to [C] <u>129</u> P.S.I.
[D] <u>1400</u> P.S.I.
from [E] <u>143</u> P.S.I. to [F] <u>244</u> P.S.I.
[G] <u>1396</u> P.S.I.

Initial Blow fair Blow all the way to Bottom Bracket in 12 min

Final Blow fair Blow all the way to Bottom of Bracket in 20 min

Total Feet Recovered 7 1/2 Stands out fluid 450 feet fluid Gravity of Oil _____ Corrected

<u>450</u> Feet of <u>oil cut muddy water</u>	% Gas <u>1</u>	% Oil <u>15</u>	% Mud <u>84</u>	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
_____ Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____

Remarks _____

Extra Equipment - Jars — Safety Joint yes Extra Packer no Straddle no Hook Wall no

Top Recorder No. 4005 Clock No. Electronic Depth 3411 Cir. Sub yes Sampler no

Bottom Recorder No. 5463 Clock No. 47441 Depth 3412 Insurance _____

Price of Job _____

Tool Operator [Signature]

Approved By _____

No 14612

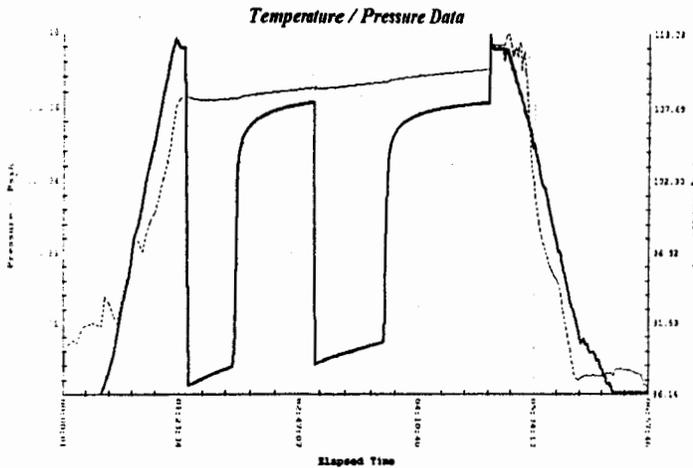
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SUPERIOR TESTERS ENTERPRISES L.L.C.

(800) 792-6902

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530



- | | | |
|---|------------------------------|------|
| 1 | Initial Hydrostatic Pressure | 1643 |
| 2 | Initial Flow Pressure | 39 |
| 3 | Final Initial Flow Pressure | 129 |
| 4 | Initial Shut-In Pressure | 1400 |
| 5 | Initial Final Flow Pressure | 143 |
| 6 | Final Flow Pressure | 244 |
| 7 | Final Shut-In Pressure | 1396 |
| 8 | Final Hydrostatic Pressure | 1640 |

Maximum Temperature 110

GENERAL INFORMATION

COMPANY NAME RAYMOND OIL COMPANY INC	
TEST DATE 9/8/05	LEASE AND WELL NUMBER DUGAN TRUST"E"#1
SECTION-TOWN-RANGE 33-31S-13W	FORMATION TESTED ####
STATE KANSAS	DRILL STEM TEST NUMBER 2
COUNTY BARBER	REPORT NUMBER 14612
ELEVATION GROUND LEVEL 1573	ELEVATION KELLY BUSHINGS 1584
COMPANY REPRESENTATIVE CLARK SANDBERG	TESTING ENGINEER GENE BUDIG

TOOL SETTING INFORMATION

TEST INTERVAL (From) 3385	TOP PACKER DEPTH 3380
TEST INTERVAL (to)	BOTTOM PACKER DEPTH 3385
ANCHOR LENGTH -3385	NUMBER OF PACKERS 2
TOTAL DEPTH (ft) 3415	PACKER SIZE 6 3/4
	HOLE SIZE 7 7/8

FLOW TIMES

TOOL OPEN (from) 7:40P	TOOL OPEN (from) 9:10P
INITIAL OPEN TOOL OPEN (to) 8:10P	FINAL OPEN TOOL OPEN (to) 9:55P
DURATION (min.) 30	DURATION (min.) 45
TOOL CLOSED (from) 8:10P	TOOL CLOSED (from) 9:55P
INITIAL SHUT-IN TOOL CLOSED (to) 9:10P	FINAL SHUT-IN TOOL CLOSED (to) 11:10P
DURATION (min.) 60	DURATION (min.) 75

INITIAL FLOW

FAIR BLOW ALL THE WAY TO THE BOTTOM OF BUCKET IN 12 MIN

FINAL FLOW

FAIR BLOW ALL THE WAY TO THE BOTTOM OF BUCKET IN 20 MIN

PERCENT OF RECOVERY	RECOVERY DESCRIPTION	PERCENTAGE			
		GAS	OIL	MUD	WATER
(1)	MUD CUT OILY WATER		1	15	84

Company: RAYMOND OIL COMPANY INC
SEC. 33 TWP. 31 RGE. 13

Lease & Well No. DUGAN TRUST"E"#1

Test #: 2 Date: 9-8-05

SUPERIOR TESTERS ENTERPRISES L.L.C.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS 67530 (800)792-6902

GENERAL INFORMATION

COMPANY NAME	RAYMAND OIL COMPANY INC	LEASE AND WELL NUMBER	DUGAN TRUST"E"#1
TEST DATE	9/8/05	REPORT NUMBER	14612
SECTION-TOWN-RANGE	33-31S-13W	DRILL STEM TEST NUMBER	2
STATE	KANSAS	REPORT NUMBER	14612
COUNTY	BARBER	ELEVATION KELLY BUSHINGS	1584
ELEVATION GROUND LEVEL	1573	TESTING ENGINEER	JARED SCHECK
COMPANY REPRESENTATIVE	CLARK SANDBERG		

EXTRA EQUIPMENT

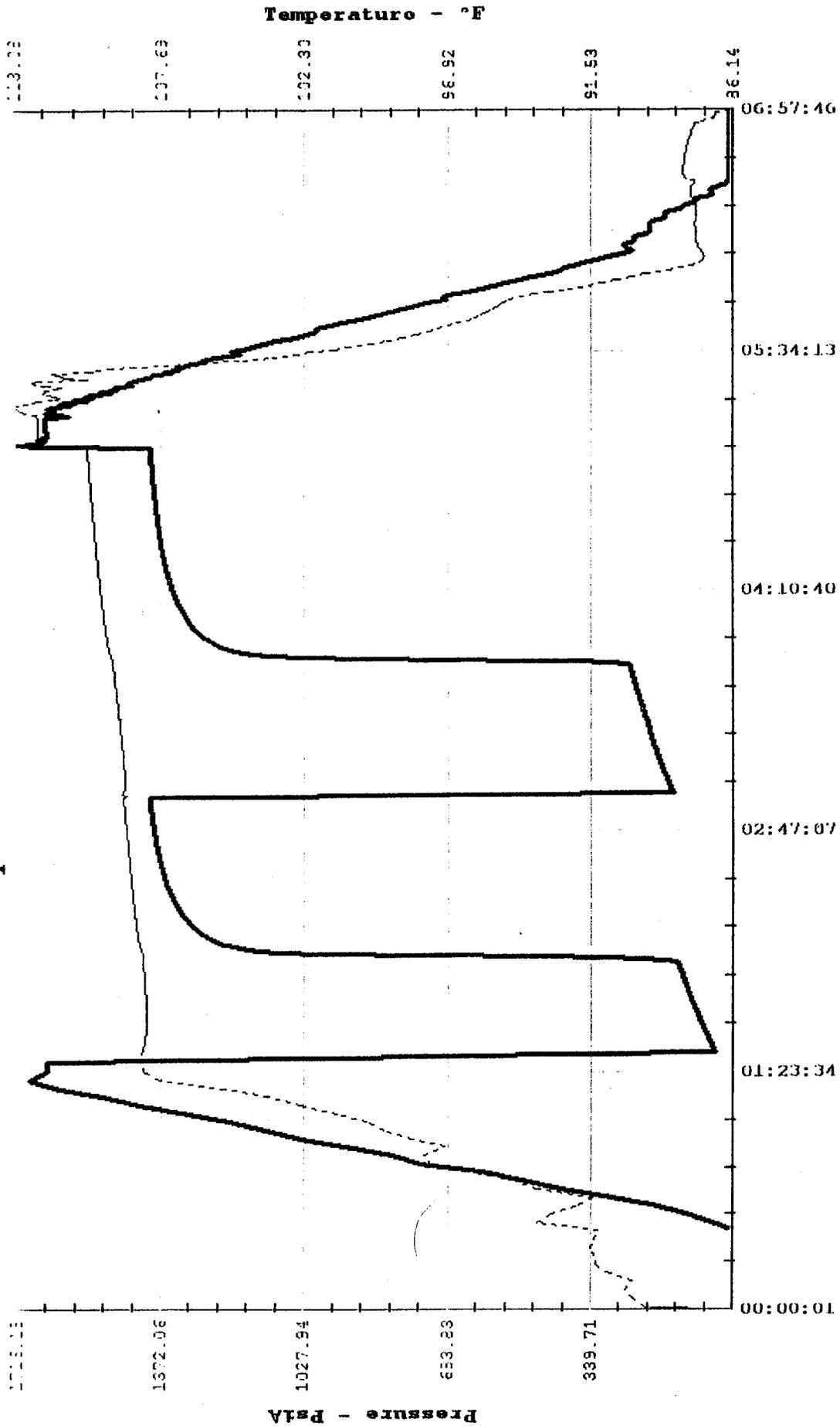
JARS	NO	EXTRA PACKER (3RD)	NO
SAFETY JOINT	YES	EXTRA PACKER (4TH)	NO
ELECTRONIC RECORDER	YES	STRADDLE	NO
CIRCULATING SUB	YES	HOOK WALL	NO
		SAMPLER	NO
MILES ROUND TRIP FROM			
TOP RECORDER DEPTH	3411	BOTTOM RECORDER DEPTH	3412
RECORDER NUMBER	91981	RECORDER NUMBER	5463

WELL INFORMATION

DRILLING CONTRACTOR	DUKE DRILLING COMPANY RIG#1		
DRILL PIPE LENGTH	3364	DRILL COLLAR LENGTH	
DRILL PIPE I.D.	3.8	DRILL COLLAR I.D.	2.25
TOOL JOINT SIZE	4 1/2 X.H.	TOOL JOINT SIZE	4 1/2 X.H.
WEIGHT PIPE LENGTH		MUD WEIGHT #/GAL	9.2
WEIGHT PIPE I.D.	2.25	VISCOSITY	46
TOOL JOINT SIZE	4 1/2 X.H.	WATER LOSS	10.4
		CHLORIDES-PITS	5,000
		CHLORIDES-DST	

COMMENTS

Temperature / Pressure Data



RAYMAND OIL COMPANY INC DUGAN TRUST"E" #1 33-31S-13W 9-8-05