



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

Nº

8035

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation 1347KB Formation Miss Dole Eff. Pay OK Ft.

District 13 Date 1-18-85 Customer Order No. 2040

COMPANY NAME Range Oil Co Inc

ADDRESS 240 Page Ct 220 W. Douglas Wichita, Ks, 67202

LEASE AND WELL NO. Classen "D" #3 COUNTY Butler STATE Ks Sec. 4 Twp 25S Rge 3E

Mail Invoice To #3 ID' Classen Co. Name Same Address Same No. Copies Requested 1

Mail Charts To Same Address Same No. Copies Requested 5

Formation Test No. 1 Interval Tested From 2730 ft. to 2760 ft. Total Depth 2760 ft.

Packer Depth 2725 ft. Size 6.75 in. Packer Depth - ft. Size - in.

Packer Depth 2730 ft. Size 6.75 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2751 ft. Recorder Number 5666 Cap. 3950

Bottom Recorder Depth (Outside) 2755 ft. Recorder Number 13265 Cap. 3975

Below Saddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Range #1 Drill Collar Length 88 I. D. 2.25 in.

Mud Type Chem Viscosity - Weight Pipe Length - I. D. - in.

Weight - Water Loss - cc. Drill Pipe Length 2622 I. D. 3.8 in.

Chlorides - P.P.M. Test Tool Length 20 ft. Tool Size 5.5 in.

Jars: Make - Serial Number - Anchor Length 30 ft. Size 5.5 in.

Did Well Flow? - Reversed Out - Surface Choke Size 1.75 in. Bottom Choke Size 1.75 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X 4 in.

Blow: -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Chlorides - P.P.M. Sample Jars used - Remarks: Packer Seat Failure

Time On Location 4:00 A.M. Time Pick Up Tool 7:00 A.M. Time Off Location - A.M.

Time Set Packer(s) - A.M. Time Started Off Bottom - A.M. Maximum Temperature - P.M.

Initial Hydrostatic Pressure - (A) X 1325 P.S.I.

Initial Flow Period - Minutes 30 (B) - P.S.I. to (C) - P.S.I.

Initial Closed In Period - Minutes 30 (D) - P.S.I.

Final Flow Period - Minutes - (E) - P.S.I. to (F) - P.S.I.

Final Closed In Period - Minutes - (G) - P.S.I.

Final Hydrostatic Pressure - (H) X 1307 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature]
Signature of Customer or his authorized representative

Western Representative Allen Edgington DSJS

FIELD INVOICE

Open Hole Test	\$	
Misrun	\$	<u>400</u>
Straddle Test	\$	
Jars	\$	
Selective Zone	\$	
Safety Joint	\$	
Standby	\$	
Evaluation	\$	
Extra Packer	\$	
Circ. Sub.	\$	
Mileage	\$	
Fluid Sampler	\$	
Extra Charts	\$	
Insurance	\$	
Telecopier	\$	
TOTAL	\$	

8035

TKT # 8035
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5666



8035

TKT # 8035
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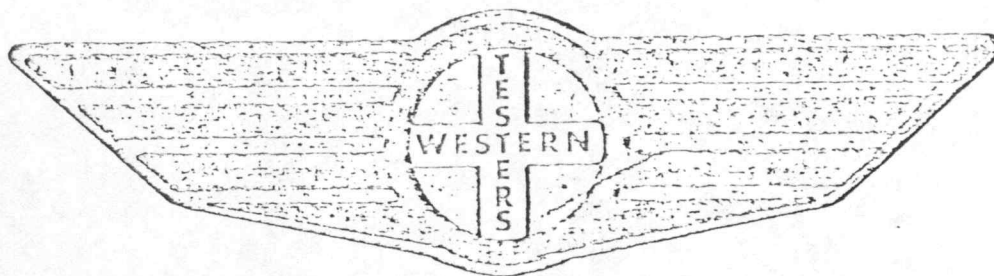
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company KANGAROO OIL COMPANY, INC. Lease and Well No. #3 "D" CLASSEN Sec. 4 Twp. 25S Rge. 3E Test No. 1 Date 1/18/81

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/18/85
CUSTOMER: RANGE OIL COMPANY INC.
WELL: 3 TEST: 1
ELEVATION (KB): 1347 FORMATION: MISSISSIPPI-DOLO
SECTION: 4 TOWNSHIP: 25S
RANGE: 3E COUNTY: BUTLER STATE: KANSAS
GAUGE SN #5666 RANGE: 3950 CLOCK: 12

INTERVAL TEST FROM: 2730 FT TO: 2760 FT TOTAL DEPTH: 2760 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2725 FT SIZE: 6 3/4 IN PACKER DEPTH: 2730 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE DRLG
MUD TYPE: CHEMICAL VISCOSITY:
WEIGHT: WATER LOSS (CC):

CHLORIDES (P.P.M.):
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?

DRILL COLLAR LENGTH: 88 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2622 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 30 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW:

RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: MISRUN. PACKER SEAT FAILURE.

TIME SET PACKER(S):

WELL TEMPERATURE: 0 'F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 0

INITIAL CLOSED IN PERIOD MIN: 0

FINAL FLOW PERIOD MIN: 0

FINAL CLOSED IN PERIOD MIN: 0

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM:

(A) 1325 PSI
(B) 0 PSI TO (C) 0 PSI
(D) 0 PSI
(E) 0 PSI TO (F) 0 PSI
(G) 0 PSI
(H) 1307 PSI



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 8036

P. O. BOX 1599 WICHITA, KANSAS 67201
PHONE (316) 262-5861

Elevation 1347 KB Formation Miss Polo. Eff. Pay OK Ft.

District 13 Date 1-18-85 Customer Order No. 220W Doug/75
COMPANY NAME Range Oil Co. Inc.
ADDRESS 240 Page Cr Wichita, KS 67202
LEASE AND WELL NO. Classen "D" #3 COUNTY Butler STATE KS Sec. 4 Twp 25S Rge. 3E
Mail Invoice To #3 'D' Classen Address Same No. Copies Requested 1
Co. Name _____ Address _____ No. Copies Requested 5
Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. 2 Interval Tested From 2753 ft. to 2760 ft. Total Depth 2760 ft.
Packer Depth 2748 ft. Size 6.75 in. Packer Depth - ft. Size - in.
Packer Depth 2753 ft. Size 6.75 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) AP 2740 ft. Recorder Number 5666 Cap. 3950
Bottom Recorder Depth (Outside) 2756 ft. Recorder Number 13265 Cap. 3975
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Range #1 Drill Collar Length 88 I. D. 2.25 in.
Mud Type Chem Viscosity 48 Weight Pipe Length _____ I. D. _____ in.
Weight 9.7 Water Loss 13.6 cc. Drill Pipe Length 2640 I. D. 3.8 in.
Chlorides 2000 P.P.M. Test Tool Length 25 ft. Tool Size 5.5 in.
Jars: Make - Serial Number _____ Anchor Length 7 ft. Size 5.5 in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 1.75 in. Bottom Choke Size 1.75 in.
Main Hole Size 7.75 in. Tool Joint Size 4 1/2 X 1 1/4 in.

Blow: Weak 15 min. initial
Very weak Final 1 min

Recovered 100 ft. of Drill Mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Chlorides 2000 P.P.M. Sample Jars used 2 Remarks: Lost approx. 6' mud when tool open
Tool Plugged off

Time On Location DST #1 A.M. Time Pick Up Tool 10:00 A.M. Time Off Location _____ A.M.
Time Set Packer(s) 11:30 A.M. Time Started Off Bottom 1:45 A.M. Maximum Temperature 96°F
Initial Hydrostatic Pressure _____ (A) X 1392 P.S.I.
Initial Flow Period _____ Minutes 30 (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period _____ Minutes 30 (D) _____ P.S.I.
Final Flow Period _____ Minutes 30 (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period _____ Minutes 45 (G) _____ P.S.I.
Final Hydrostatic Pressure _____ (H) X 1373 P.S.I.

COMPANY TERMS

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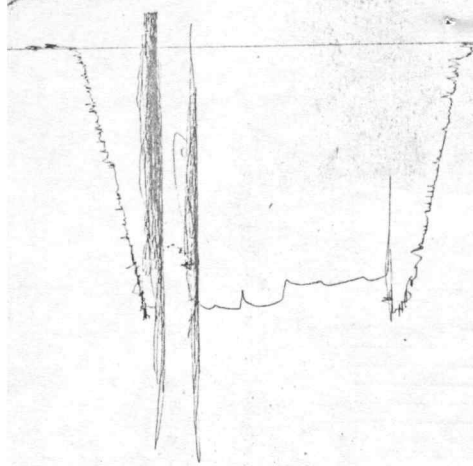
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Robert Olean
Signature of Customer or his authorized representative

Western Representative Allen Edgington DSJS

FIELD INVOICE

Open Hole Test \$ 400
Misrun \$ _____
Straddle Test \$ _____
Jars \$ _____
Selective Zone \$ _____
Safety Joint \$ _____
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ _____
Insurance \$ _____
Telecopier \$ _____
TOTAL \$ _____



2000

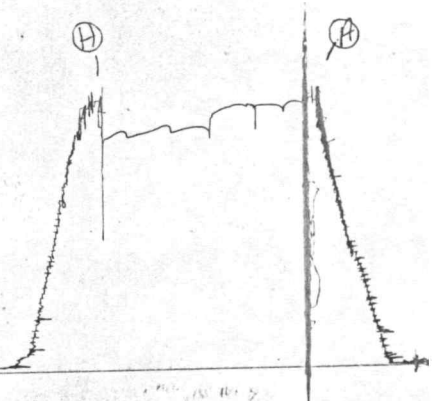
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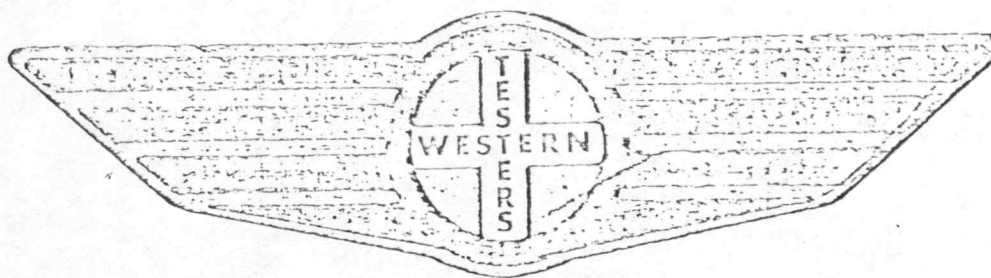
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

company KANGAROO OIL COMPANY, INC. Lease and Well No. #3 "D" CLASSEN Sec. 4 Twp. 25S Rge. 3E Test No. 2 Date 1/18/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/18/85
CUSTOMER: RANGE OIL COMPANY INC.
WELL: 3 TEST: 2
ELEVATION (KB): 1347 FORMATION: MISSISSIPPI-DOLO
SECTION: 4 TOWNSHIP: 25S
RANGE: 3E COUNTY: BUTLER STATE: KANSAS
GAUGE SN #5666 RANGE: 3950 CLOCK: 12

INTERVAL TEST FROM: 2753 FT TO: 2760 FT TOTAL DEPTH: 2760 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2748 FT SIZE: 6 3/4 IN PACKER DEPTH: 2753 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE DRLG
MUD TYPE: CHEMICAL VISCOSITY: 48
WEIGHT: 9.7 WATER LOSS (CC): 13.6
CHLORIDES (P.P.M.): 2000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 88 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2640 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 7 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW FOR
15 MINUTES. FINAL FLOW PERIOD VERY
WEAK BLOW FOR 1 MINUTE.

RECOVERED: 100	FT	OF: DRILLING MUD. CHLORIDES 2000 PPM.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: MISRUN. TOOL PLUGGED OFF. LOST
6 FEET OF MUD WHEN TOOL OPENED.

TIME SET PACKER(S): 11:30 AM
WELL TEMPERATURE: 96 °F

TIME STARTED OFF BOTTOM: 1:45 PM

INITIAL HYDROSTATIC PRESSURE:	(A) 1392	PSI	
INITIAL FLOW PERIOD MIN: 0	(B) 0	PSI TO (C) 0	PSI
INITIAL CLOSED IN PERIOD MIN: 0	(D) 0	PSI	
FINAL FLOW PERIOD MIN: 0	(E) 0	PSI TO (F) 0	PSI
FINAL CLOSED IN PERIOD MIN: 0	(G) 0	PSI	
FINAL HYDROSTATIC PRESSURE	(H) 1373	PSI	



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO. 8037

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1347 KB Formation Miss Dole Eff. Pay Ft.

District B Augusta Date 1-18-85 Customer Order No.
COMPANY NAME Range Oil Co Inc. 220 W Douglas
ADDRESS 240 Page Ct. Wichita, KS 67202
LEASE AND WELL NO. Classen "D" #3 COUNTY Butler STATE KS Sec. 4 Twp. 25S Rge. 3E
Mail Invoice To #3 'D' Classen Same No. Copies Requested 1
Co. Name Address
Mail Charts To Same No. Copies Requested 5
Address

Formation Test No. 3 Interval Tested From 2753 ft. to 2760 ft. Total Depth 2760 ft.
Packer Depth 2748 ft. Size 6.75 in. Packer Depth ft. Size in.
Packer Depth 2753 ft. Size 6.75 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) AP 2740 ft. Recorder Number 5666 Cap. 3950
Bottom Recorder Depth (Outside) 2756 ft. Recorder Number 13265 Cap. 3975
Below Saddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Range #1 Drill Collar Length 88 I. D. 2.25 in.
Mud Type Chem Viscosity 45 Weight Pipe Length I. D. in.
Weight 9.6 Water Loss 120 cc. Drill Pipe Length 2640 I. D. 3.8 in.
Chlorides 2000 P.P.M. Test Tool Length 25 ft. Tool Size 5.5 in.
Jars: Make Serial Number Anchor Length 7 ft. Size 5.5 in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 1.75 in. Bottom Choke Size 1.75 in.
Main Hole Size 7.75 in. Tool Joint Size 4 1/2 KH in.

Blow: Weak (1") thru out initial
1/2" thru final

Recovered 180 ft. of Drill Mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Chlorides P.P.M. Sample Jars used 3 Remarks: Plugging in tool
tool slid 3' to bottom

4-6-30 A.M. Time On Location DST 2 P.M. Time Pick Up Tool 7:00 P.M. Time Off Location P.M.
Time Set Packer(s) 8:15 P.M. Time Started Off Bottom 11:15 P.M. Maximum Temperature 96
Initial Hydrostatic Pressure (A) P.S.I.
Initial Flow Period Minutes 30 (B) P.S.I. to (C) P.S.I.
Initial Closed In Period Minutes 30 (D) P.S.I.
Final Flow Period Minutes 60 (E) P.S.I. to (F) P.S.I.
Final Closed In Period Minutes 60 (G) P.S.I.
Final Hydrostatic Pressure (H) P.S.I.

COMPANY TERMS

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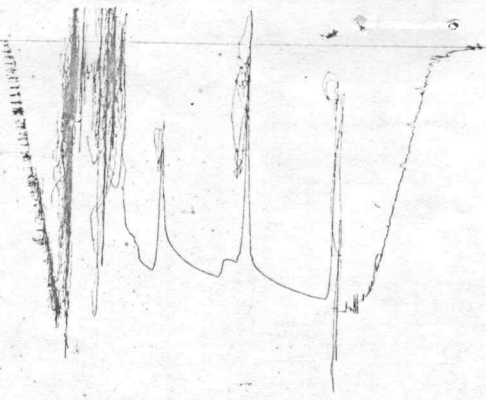
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative Allen Edgington 0525

FIELD INVOICE

Open Hole Test \$
Misrun \$ 400-
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$



13765

JK # 8037
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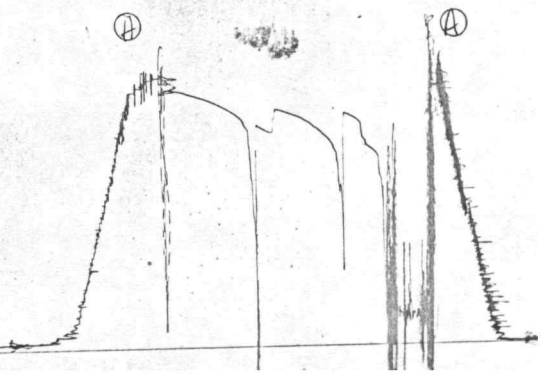
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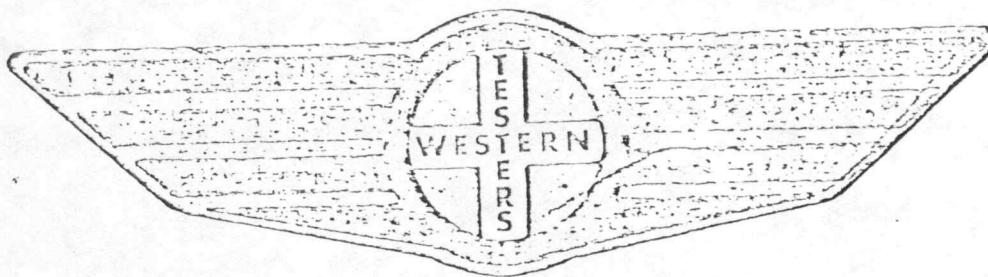
5666



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/18/85

CUSTOMER: RANGE OIL COMPANY INC.

WELL: 3

TEST: 3

ELEVATION (KB): 1347

FORMATION: MISSISSIPPI-DOLO

SECTION: 4

TOWNSHIP: 25S

RANGE: 3E

COUNTY: BUTLER

STATE: KANSAS

GAUGE SN #5666

RANGE: 3950

CLOCK: 12

TICKET #8037

LEASE: "D" CLASSEN

GEOLOGIST: OLSEN

INTERVAL TEST FROM: 2753 FT TO: 2760 FT TOTAL DEPTH: 2760 FT

DEPTH OF SELECTIVE ZONE: FT

PACKER DEPTH: 2748 FT SIZE: 6 3/4 IN PACKER DEPTH: 2753 FT SIZE: 6 3/4 IN

PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE DRLG

MUD TYPE: CHEMICAL

VISCOSITY: 45

WEIGHT: 9.6

WATER LOSS (CC): 12.0

CHLORIDES (P.P.M.): 2000

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW? NO

REVERSED OUT? NO

DRILL COLLAR LENGTH: 88 FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH: FT I.D.: IN

DRILL PIPE LENGTH: 2640 FT I.D.: 3.8 IN

TEST TOOL LENGTH: 25 FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 7 FT SIZE: 5 1/2 OD IN

SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN

MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD WEAK 1" BLOW.

FINAL FLOW PERIOD 1/2" BLOW.

RECOVERED: 180 FT OF: DRILLING MUD.

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

RECOVERED: FT OF:

REMARKS: MISRUN. PLUGGING IN TOOL. TOOL

SLID 3 FEET TO BOTTOM.

TIME SET PACKER(S): 8:15 PM

TIME STARTED OFF BOTTOM: 11:15 PM

WELL TEMPERATURE: 96 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1396 PSI

INITIAL FLOW PERIOD MIN: 0

(B) 0 PSI TO (C) 0 PSI

INITIAL CLOSED IN PERIOD MIN: 0

(D) 0 PSI

FINAL FLOW PERIOD MIN: 0

(E) 0 PSI TO (F) 0 PSI

FINAL CLOSED IN PERIOD MIN: 0

(G) 0 PSI

FINAL HYDROSTATIC PRESSURE

(H) 1369 PSI



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 8038

P. O. BOX 1599 PHONE (316) 262-5861

Elevation 1347 KB Formation MISS Dolo Eff. Pay Ft.

WICHITA, KANSAS 67201

District 13

Date 1-19-85

Customer Order No.

COMPANY NAME Range Oil Co Inc

ADDRESS 240 Page Ct. Wichita KS 67202

LEASE AND WELL NO. Classen D #3 COUNTY Butler STATE KS Sec. 4 Twp 25S Rge. 3E

Mail Invoice To #3 'D' Classen Same Co. Name Address No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 4 Interval Tested From 2755 ft. to 2765 ft. Total Depth 2765 ft.

Packer Depth 2750 ft. Size 6.75 in. Packer Depth ft. Size in.

Packer Depth 2755 ft. Size 6.75 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2758 ft. Recorder Number 5666 Cap. 3950

Bottom Recorder Depth (Outside) 2761 ft. Recorder Number 13265 Cap. 3975

Below Saddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Range #1

Mud Type Chem Viscosity 45

Weight 96 Water Loss 12 cc.

Chlorides 2000 P.P.M.

Jars: Make Serial Number

Did Well Flow? NO Reversed Out NO

Drill Collar Length 88 I. D. 2.25 in.

Weight Pipe Length I. D. in.

Drill Pipe Length 2647 I. D. 3.8 in.

Test Tool Length 20 ft. Tool Size 5.5 in.

Anchor Length 10 ft. Size 5.5 in.

Surface Choke Size 175 in. Bottom Choke Size 175 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x 4 in.

Blow: Very Weak thru out

Recovered 1 ft. of Free oil
Recovered 285 ft. of Very slight oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides 5000 P.P.M. Sample Jars used 4 Remarks:

Time On Location STDBY A.M. Time Pick Up Tool 6:00 A.M. Time Off Location STDBY 1:00 A.M.

Time Set Packer(s) 7:45 P.M. Time Started Off Bottom 10:45 P.M. Maximum Temperature 96°F

Initial Hydrostatic Pressure (A) 1395 P.S.I.

Initial Flow Period Minutes 30 (B) 215 P.S.I. to (C) 215 P.S.I.

Initial Closed In Period Minutes 30 (D) 355 P.S.I.

Final Flow Period Minutes 60 (E) 215 P.S.I. to (F) 215 P.S.I.

Final Closed In Period Minutes 60 (G) 355 P.S.I.

Final Hydrostatic Pressure (H) 1365 P.S.I. #5666

COMPANY TERMS

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All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Rhatchen
Signature of Customer or his authorized representative

Western Representative Allen Edgington DS&S

FIELD INVOICE

Open Hole Test \$ 550
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$

WESTERN TESTING CO., INC.

Pressure Data

Date: 1-19-85 Test Ticket No. 8038

Recorder No. 56660 Capacity _____ Location _____

Clock No. _____ Elevation _____ Well Temperature _____

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1388</u> P.S.I.		
B First Initial Flow Pressure	<u>210</u> P.S.I.	<u>30</u> Mins.	
C First Final Flow Pressure	<u>210</u> P.S.I.	<u>30</u> Mins.	
D Initial Closed-in Pressure	<u>355</u> P.S.I.	<u>60</u> Mins.	
E Second Initial Flow Pressure	<u>211</u> P.S.I.	<u>60</u> Mins.	
F Second Final Flow Pressure	<u>211</u> P.S.I.		
G Final Closed-in Pressure	<u>351</u> P.S.I.		
H Final Hydrostatic Mud	<u>1369</u> P.S.I.		

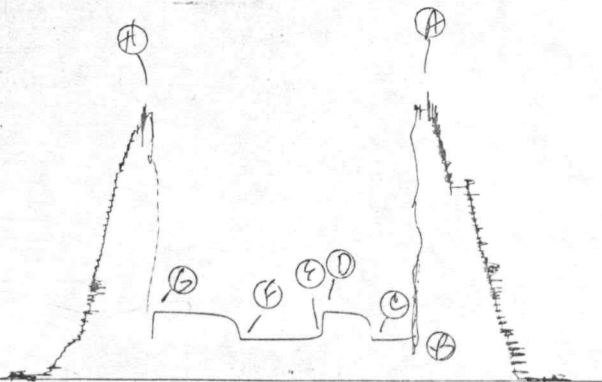
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>22</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>210</u>	<u>0</u>	<u>210</u>	<u>0</u>	<u>210</u>	<u>0</u>	<u>211</u>
P 2 <u>5</u>		<u>3</u>	<u>308</u>	<u>5</u>		<u>3</u>	<u>280</u>
P 3 <u>10</u>		<u>6</u>	<u>329</u>	<u>10</u>		<u>6</u>	<u>305</u>
P 4 <u>15</u>		<u>9</u>	<u>338</u>	<u>15</u>		<u>9</u>	<u>318</u>
P 5 <u>20</u>		<u>12</u>	<u>342</u>	<u>20</u>		<u>12</u>	<u>327</u>
P 6 <u>25</u>		<u>15</u>	<u>346</u>	<u>25</u>		<u>15</u>	<u>332</u>
P 7 <u>30</u>	<u>210</u>	<u>18</u>	<u>348</u>	<u>30</u>		<u>(17) 18</u>	<u>336</u>
P 8 <u>35</u>		<u>21</u>	<u>350</u>	<u>35</u>		<u>21</u>	<u>339</u>
P 9 <u>40</u>		<u>24</u>	<u>351</u>	<u>40</u>		<u>24</u>	<u>342</u>
P10 <u>45</u>		<u>27</u>	<u>352</u>	<u>(10) 45</u>		<u>27</u>	<u>344</u>
P11 <u>50</u>		<u>(11) 30</u>	<u>353</u>	<u>50</u>		<u>(11) 30</u>	<u>345</u>
P12 <u>55</u>		<u>33</u>	<u>354</u>	<u>55</u>		<u>33</u>	<u>346</u>
P13 <u>60</u>		<u>36</u>	<u>355</u>	<u>60</u>	<u>211</u>	<u>36</u>	<u>347</u>
P14		<u>39</u>		<u>65</u>		<u>39</u>	<u>347</u>
P15		<u>42</u>		<u>70</u>		<u>42</u>	<u>348</u>
P16		<u>(12) 45</u>		<u>(11) 75</u>		<u>(12) 45</u>	<u>348</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>349</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>349</u>
P19		<u>54</u>		<u>(19) 90</u>		<u>54</u>	<u>350</u>
P20		<u>57</u>				<u>57</u>	<u>350</u>
		<u>60</u>				<u>(21) 60</u>	<u>351</u>
						<u>63</u>	<u>351</u>

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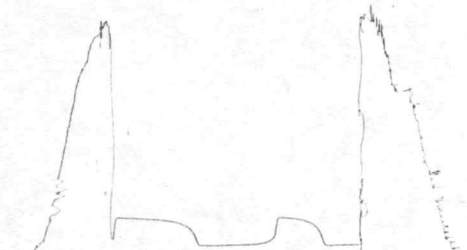
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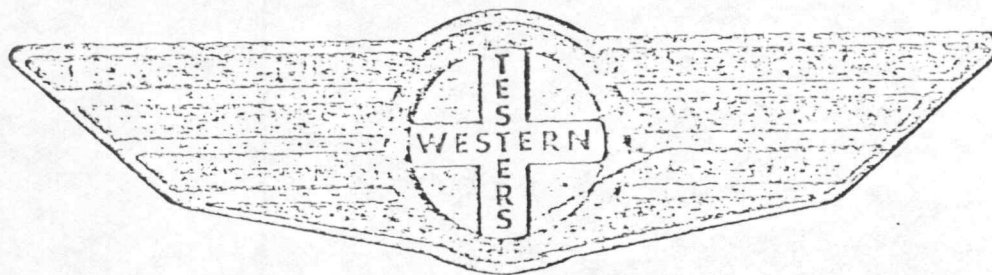
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/19/85

TICKET #8038

CUSTOMER: RANGE OIL COMPANY INC.

LEASE: "D" CLASSEN

WELL: 3

TEST: 4

GEOLOGIST: OLSEN

ELEVATION (KB): 1347

FORMATION: MISSISSIPPI-DOLO

SECTION: 4

TOWNSHIP: 25S

RANGE: 3E

COUNTY: BUTLER

STATE: KANSAS

GAUGE SN #5666

RANGE: 3950

CLOCK: 12

INTERVAL TEST FROM: 2755 FT TO: 2765 FT TOTAL DEPTH: 2765 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2750 FT SIZE: 6 3/4 IN PACKER DEPTH: 2755 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE DRLG

MUD TYPE: CHEMICAL

VISCOSITY: 45

WEIGHT: 9.6

WATER LOSS (CC): 12.0

CHLORIDES (P.P.M.): 2000

JARS - MAKE:

SERIAL NUMBER:

DID WELL FLOW? NO

REVERSED OUT? NO

DRILL COLLAR LENGTH: 88

FT I.D.: 2.25 IN

WEIGHT PIPE LENGTH:

FT I.D.: IN

DRILL PIPE LENGTH: 2647

FT I.D.: 3.8 IN

TEST TOOL LENGTH: 20

FT TOOL SIZE: 5 1/2 OD IN

ANCHOR LENGTH: 10

FT SIZE: 5 1/2 OD IN

SURFACE CHOKE SIZE: 3/4

IN BOTTOM CHOKE SIZE: 3/4 IN

MAIN HOLE SIZE: 7 7/8

IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: WEAK BLOW THROUGHOUT TEST.

RECOVERED: 1 FT OF: FREE OIL.
RECOVERED: 285 FT OF: VERY SLIGHTLY OIL CUT MUD.
RECOVERED: FT OF: CHLORIDES 5000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 7:45 AM

TIME STARTED OFF BOTTOM: 10:45 AM

WELL TEMPERATURE: 96 °F

INITIAL HYDROSTATIC PRESSURE:

(A) 1388 PSI

INITIAL FLOW PERIOD

MIN: 30

(B) 210

PSI TO (C) 210 PSI

INITIAL CLOSED IN PERIOD

MIN: 36

(D) 355

PSI

FINAL FLOW PERIOD

MIN: 60

(E) 211

PSI TO (F) 211 PSI

FINAL CLOSED IN PERIOD

MIN: 63

(G) 351

PSI

FINAL HYDROSTATIC PRESSURE

(H) 1369

PSI

