



WESTERN TESTING CO., INC.
FORMATION TESTING

27-155-10
TICKET No 4662

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

Elevation 1225 GL Formation - M34 Eff. Pay Ft.

District Great Bend Date 3/4/84 Customer Order No.
COMPANY NAME Rains & Williamson Oil Co., Inc.
ADDRESS 435 Page Court 220 W. Douglas Wichita, Ks 67202
LEASE AND WELL NO. Karber #1 COUNTY Saline STATE Ks Sec. 27 Twp. 15 Rge. 1
Mail Invoice To Same As Above No. Copies Requested 5
Mail Charts To Karber #1 No. Copies Requested 5

Formation Test No. 1 Interval Tested From 2581 ft. to 2593 ft. Total Depth 2593 ft.
Packer Depth 2576 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 2581 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2584 ft. Recorder Number 6077 Cap. 4700
Bottom Recorder Depth (Outside) 2587 ft. Recorder Number 5673 Cap. 5400
Below Saddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Catwalk #11 Drill Collar Length - I. D. - in.
Mud Type Chemical Viscosity 42 Weight Pipe Length - I. D. - in.
Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 2560 I. D. 3.8 in.
Chlorides 8,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 12 ft. Size 5 1/2 OD in.
Did Well Flow? - Reversed Out - 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 x 4 in.

Blow: Weak, appearing to during FSP. Blow died on 27 min
Recovered 135 ft. of Mud - w/ show of oil on top of Tool -
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Chlorides P.P.M. Sample Jars used - Remarks: Got stuck on Loc. Rd. Co. Cat was used
Truck was chained - Anchor shows plugging
shd 2" to Bottom

Time On Location 8:57 A.M. Time Pick Up Tool 9:40 P.M. Time Off Location 2:45 A.M.
Time Set Packer(s) 10:50 A.M. Time Started Off Bottom 12:50 P.M. Maximum Temperature 99
Initial Hydrostatic Pressure (A) 1345 P.S.I.
Initial Flow Period (B) 30 Minutes (C) 25 P.S.I. to (F) 37 P.S.I.
Initial Closed In Period (D) 30 Minutes (E) 50 P.S.I. to (F) 37 P.S.I.
Final Flow Period (E) 30 Minutes (F) 50 P.S.I. to (G) 777 P.S.I.
Final Closed In Period (G) 30 Minutes (H) 777 P.S.I.
Final Hydrostatic Pressure (H) 1321 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] 3/4/84
Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

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



WESTERN TESTING CO., INC.
FORMATION TEST

TICKET N^o 4663

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

Elevation 1225GL Formation Art Miss Eff. Pay Ft.

RO25 District Great Bend Date 3/4/84 Customer Order No.

COMPANY NAME Rains & Williamson Oil Co., Inc.

ADDRESS 435 Page Court 220 W. Douglas Wichita, ks 67202

LEASE AND WELL NO. Karber #1 COUNTY Saline STATE Ks Sec. 27 Twp. 15 Rge. 1

Mail Invoice To same as above No. Copies Requested 5

Mail Charts To " " " No. Copies Requested 5

Address

Formation Test No. IV Interval Tested From 2582 ft. to 2597 ft. Total Depth 2597 ft.

Packer Depth 2577 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 2582 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2584 ft. Recorder Number 6077 Cap. 4700

Bottom Recorder Depth (Outside) 2587 ft. Recorder Number 5673 Cap. 5400

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co. Took Rig #1 Drill Collar Length I. D. in.

Mud Type Chemical Viscosity 45 Weight Pipe Length I. D. in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 2561 I. D. 3.8 in.

Chlorides 8,000 P.P.M. Test Tool Length 21 ft. Tool Size 58.00 in.

Jars: Make Serial Number Anchor Length 15 ft. Size 5 1/2 00 in.

Did Well Flow? Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: Weak increasing to 1/4 during I.P.P. - 1/2" blow during 77P -

Recovered 90 ft. of Muddy water w/ a few oil spots on top of tool

Recovered ft. of 35% mud - 65% water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides 49,000 P.P.M. Sample Jars used 2 Remarks:

Time On Location 8:57 A.M. Time Pick Up Tool 7:10 P.M. Time Off Location 2:45 A.M. P.M.

Time Set Packer(s) 9:10 A.M. Time Started Off Bottom 12:10 P.M. Maximum Temperature 99+

Initial Hydrostatic Pressure (A) 1285 P.S.I.

Initial Flow Period (B) 30 Minutes (C) 37 P.S.I. to (D) 50 P.S.I.

Initial Closed In Period (E) 30 Minutes (F) 681 P.S.I.

Final Flow Period (G) 60 Minutes (H) 62 P.S.I. to (I) 75 P.S.I.

Final Closed In Period (J) 60 Minutes (K) 669 P.S.I.

Final Hydrostatic Pressure (L) 1272 P.S.I.

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Test Approved By Gene Eberhart 3/5/84
Signature of Customer or his authorized representative

Western Representative Gene Eberhart

FIELD INVOICE

Open Hole Test	\$ <u>550.00</u>
Misrun	\$ <u> </u>
Straddle Test	\$ <u> </u>
Jars	\$ <u> </u>
Selective Zone	\$ <u> </u>
Safety Joint	\$ <u> </u>
Standby	\$ <u> </u>
Evaluation	\$ <u> </u>
Extra Packer	\$ <u> </u>
Circ. Sub.	\$ <u> </u>
Mileage	\$ <u> </u>
Fluid Sampler	\$ <u> </u>
Extra Charts	\$ <u> </u>
Insurance	\$ <u> </u>
Telecopier	\$ <u> </u>
TOTAL	\$ <u>550.00</u>



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 4662

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

Elevation 1225 GL Formation 1125 Eff. Pay _____ Ft.

District Great Bend Date 3/4/84 Customer Order No. _____

COMPANY NAME Rains E.W. Hamson

ADDRESS 435 Page Court 220 W. Douglas Wichita, Ks 67202

LEASE AND WELL NO. Karber - 1 COUNTY Saline STATE Ks Sec. 27 Twp. 15 Rge. 1

Mail Invoice To Same As Above Co. Name _____ Address _____ No. Copies Requested 5

Mail Charts To _____ Co. Name _____ Address _____ No. Copies Requested 5

Formation Test No. 1 Interval Tested From 2581 ft. to 2593 ft. Total Depth 2593 ft.

Packer Depth 2576 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 2581 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2584 ft. Recorder Number 6077 Cap. 4700

Bottom Recorder Depth (Outside) 2587 ft. Recorder Number 5673 Cap. 3400

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

Drilling Contractor Co. Tools #11 Drill Collar Length _____ I. D. _____ in.

Mud Type Chemical Viscosity 42 Weight Pipe Length _____ I. D. _____ in.

Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 2560 I. D. 3.8 in.

Chlorides 8.000 P.P.M. Test Tool Length 21 ft. Tool Size 3 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 12 ft. Size 5 1/2 in.

Did Well Flow? _____ Reversed Out _____ Surface Choke Size 1 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 1 7/8 in. Tool Joint Size 4 1/2 x 5 1/4 in.

Blow: Weak, increasing to 1" during T.P.P. Blow died in 20 min

Recovered 25 ft. of Mud - w/ show of oil on top of tool -

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: Got stuck on loc. Rd. Co. Cat was used

Truck was chained -

Time On Location 8:57 A.M. Time Pick Up Tool 9:40 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 10:50 A.M. Time Started Off Bottom 12:50 A.M. Maximum Temperature _____ P.M.

Initial Hydrostatic Pressure _____ (A) 1345 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 37 P.S.I. to (C) 25 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 789 P.S.I.

Final Flow Period _____ Minutes 30 (E) 50 P.S.I. to (F) 37 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 771 P.S.I.

Final Hydrostatic Pressure _____ (H) 1321 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] 3/4/84
Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

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

GREAT GUNS LOGGING

Suite 1120, KSB Building
125 N. Market • Wichita, Kansas 67202
316-264-2613

No 041153

Date 3/15/84

Station TOPKANA

Unit No. #63

CHARGE TO: Rains & Williamson Oil Co
 ADDRESS: 435 PAGE ST 220 W Douglas Wichita KS 67202
 R/A SOURCE NO. 71-1-4886 CUSTOMER ORDER NO. _____
 LEASE AND WELL NO. KARBLER #1 FIELD _____
 NEAREST TOWN GYPsum COUNTY SALINE STATE KS
 SPOT LOCATION _____ SEC. 27 TWP. 153 RANGE 10
 ZERO KB 5 156 CASING SIZE _____ WEIGHT _____
 CUSTOMER'S T.D. 2625 GREAT GUNS T.D. 2625 FLUID LEVEL FULL
 ENGINEER Schmedler Sr OPERATOR Rush

PERFORATING

	No. Shots	Depth		Amount
		From	To	

DEPTH AND OPERATIONS CHARGES

Code Reference	Description	Depth		Total No. Ft.	Price Per Ft.	Amount
		From	To			
6702 01	RA Guard Log	2625	0	39		1023.75
02	Logging Charge	2625	1700	36		360.00
03	Alpha Newton 2" to surface	1625	0	27		340.00

MISCELLANEOUS

Code Reference	Description	Quantity	Amount
5000	Service Charge Truck Rental		600.00

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE

Sub Total	2313.75
Code Ref. <u>170</u> Tool Insurance	60.00
Tax	2433.75

Customer Signature

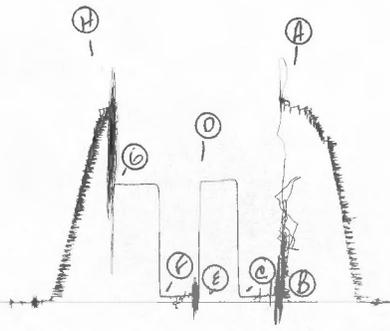
Date

3/15/84

DST-1

KT # 4662

I



6077

Inside Recorder

DST-1

KT # 4662

O



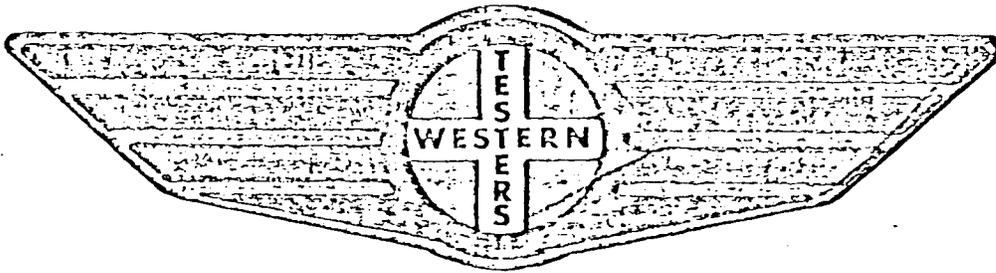
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Outside Recorder

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company RAINS & WILLIAMSON OIL CO. Lease and Well No. #1 KARBBER Sec. 27 Twp. 15s Rge. 1w Test No. 1 Date 3/4/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 3/4/84
CUSTOMER: RAINS & WILLIAMSON OIL CO.
WELL: 1 TEST: 1
ELEVATION (KB): 1230 FORMATION: MISSISSIPPI
SECTION: 27 TOWNSHIP: 15S
RANGE: 1W COUNTY: SALINE STATE: KANSAS
GAUGE SN #6077 RANGE: 4700 CLOCK: 12

INTERVAL TEST FROM: 2581 FT TO: 2593 FT TOTAL DEPTH: 2593 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2576 FT SIZE: 6 3/4 IN Packer DEPTH: 2581 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON
MUD TYPE: CHEMICAL VISCOSITY: 42
WEIGHT: 9.4 WATER LOSS (CC): 8.0
CHLORIDES (P.P.M.): 8000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2560 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 12 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
INCREASING TO 1 INCH BLOW.
FINAL FLOW PERIOD BLOW DIED IN 27 MINUTES.

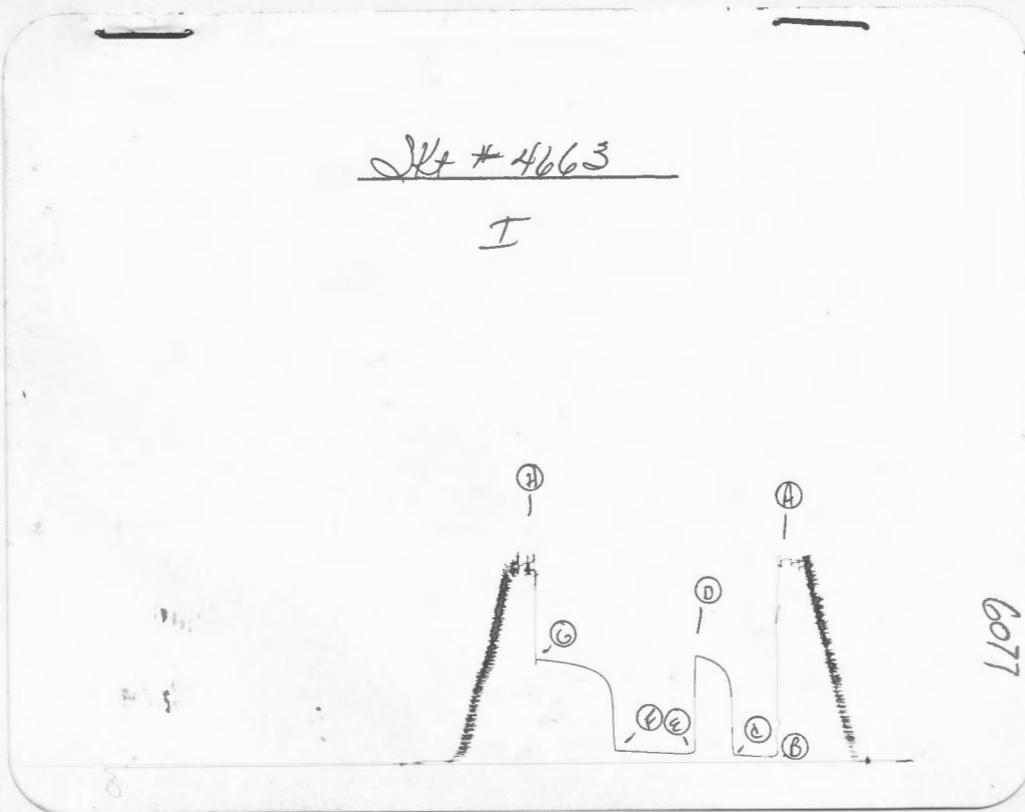
RECOVERED: 35 FT OF: MUD WITH SHOW OF OIL ON TOP OF TOOL.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: SLID TOOL 2 FEET TO BOTTOM.
ANCHOR SHOWS PLUGGING.

TIME SET PACKER(S): 10:50 AM TIME STARTED OFF BOTTOM: 12:50 PM
WELL TEMPERATURE: 99 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1345 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 42 PSI TO (C) 42 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 773 PSI
FINAL FLOW PERIOD MIN: 30 (E) 37 PSI TO (F) 37 PSI
FINAL CLOSED IN PERIOD MIN: 33 (G) 758 PSI
FINAL HYDROSTATIC PRESSURE (H) 1302 PSI

Kit # 4663

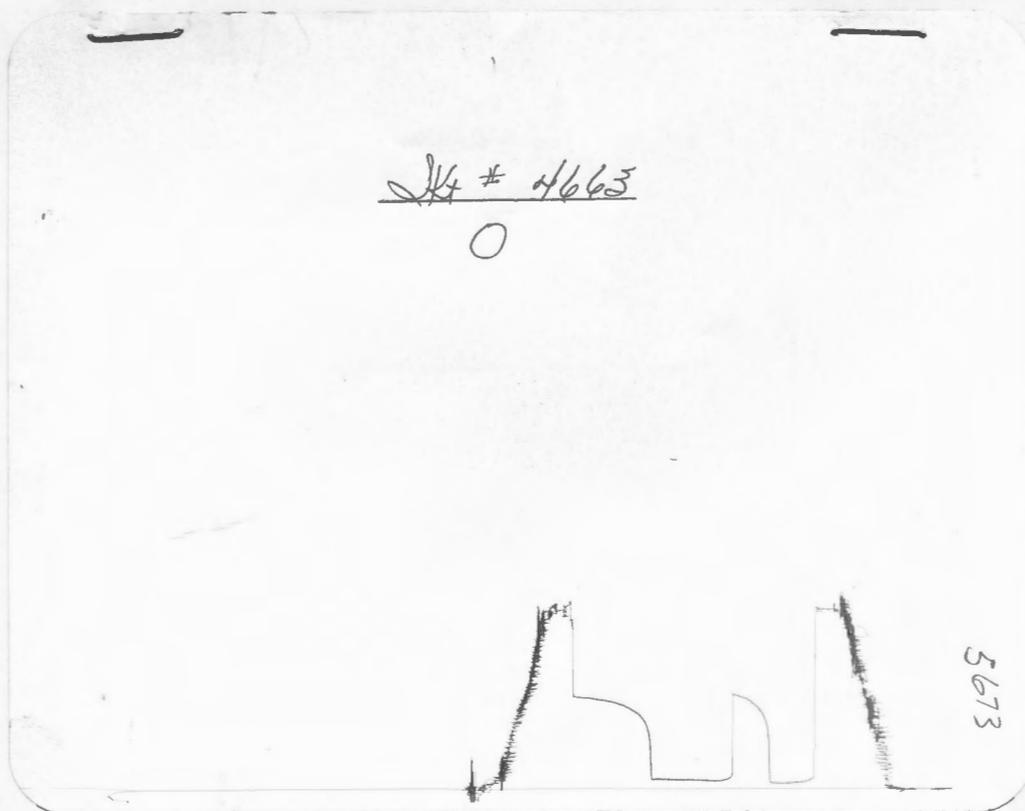
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Inside Recorder

Kit # 4663

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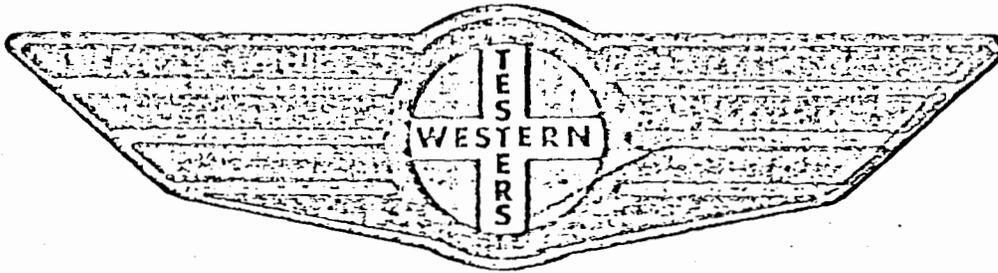


Outside Recorder

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company RAINS & WILLIAMSON OIL CO. Lease and Well No. #1 KARBBER Sec. 27 Twp. 15s Rge. 1w Test No. 2 Date 3/4/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 3/4/84 TICKET #4663
CUSTOMER: RAINS & WILLIAMSON OIL CO. LEASE: KARBER
WELL: 1 TEST: 2 GEOLOGIST: CALVERT ?
ELEVATION (KB): 1230 FORMATION: MISSISSIPPI
SECTION: 27 TOWNSHIP: 15S
RANGE: 1W COUNTY: SALINE STATE: KANSAS
GAUGE SN #6077 RANGE: 4700 CLOCK: 12

INTERVAL TEST FROM: 2582 FT TO: 2597 FT TOTAL DEPTH: 2597 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2577 FT SIZE: 6 3/4 IN PAKER DEPTH: 2582 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON
MUD TYPE: CHEMICAL VISCOSITY: 45
WEIGHT: 9.2 WATER LOSS (CC): 8.0
CHLORIDES (P.P.M.): 8000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?

DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2561 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 15 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
INCREASING TO 1 1/4 INCH BLOW.
FINAL FLOW PERIOD 1/2 INCH BLOW.

RECOVERED: 90 FT OF: MUDDY WATER WITH FEW OIL SPOTS ON TOP OF TOOL.
RECOVERED: FT OF: 35% MUD; 65% WATER. CHLORIDES 49000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 9:10 PM TIME STARTED OFF BOTTOM: 12:10 AM
WELL TEMPERATURE: 99 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1242 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 33 PSI TO (C) 48 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 683 PSI
FINAL FLOW PERIOD MIN: 60 (E) 58 PSI TO (F) 81 PSI
FINAL CLOSED IN PERIOD MIN: 57 (G) 668 PSI
FINAL HYDROSTATIC PRESSURE (H) 1226 PSI

