



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N°

OK
6345

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

Elevation 1602 KB

Formation K.C.

Eff. Pay — Ft.

District 13 Date 1-18-85 Customer Order No. —
COMPANY NAME Rains & Williamson Oil Co. Inc.
ADDRESS 435 Page Court 22021 Douglas St. Wichita, Ks. 67202
LEASE AND WELL NO. Wiedemann Trust #1 COUNTY Butler STATE Ks Sec. 21 Twp. 27S Rge. 8E
Mail Invoice To Same #1 Wiedemann Trust Co. Name Address No. Copies Requested 1
Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested From 2115 ft. to 2167 ft. Total Depth 2167 ft.
Packer Depth 2115 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Packer Depth 2110 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —
Top Recorder Depth (Inside) 2159 ft. Recorder Number 13268 Cap. 4150
Bottom Recorder Depth (Outside) 2162 ft. Recorder Number 13266 Cap. 4200
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —
Drilling Contractor Rains & Williamson Oil Co. #4 Drill Collar Length 210 I. D. 2 1/4 in.
Mud Type Chem Viscosity 42 Weight Pipe Length — I. D. — in.
Weight 9.6 Water Loss 10.2 cc. Drill Pipe Length 1885 I. D. 3.8 in.
Chlorides 4000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
Jars: Make — Serial Number — Anchor Length 52 ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out No 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 in.

Blow: 2167 to very weak 30 minutes

Recovered 30 ft. of Drilling mud

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Chlorides 3000

P.P.M. Sample Jars used 1 Remarks:

Time On Location 8:15 A.M. Time Pick Up Tool 11:10 A.M.
Time Set Packer(s) 12:30 P.M. Time Started Off Bottom 2:30 P.M.
Maximum Temperature 95
Initial Hydrostatic Pressure (A) 1075 P.S.I.
Initial Flow Period Minutes 30 (B) 50 P.S.I. to (C) 30 P.S.I.
Initial Closed In Period Minutes 30 (D) 610 P.S.I.
Final Flow Period Minutes 30 (E) 60 P.S.I. to (F) 50 P.S.I.
Final Closed In Period Minutes 30 (G) 600 P.S.I.
Final Hydrostatic Pressure (H) 1065 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 Dave Callewaert
Signature of Customer or his authorized representative

Western Representative Norman Allen

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 \$ 50
Telecopier \$
TOTAL \$

WESTERN TESTING CO., INC.

Pressure Data

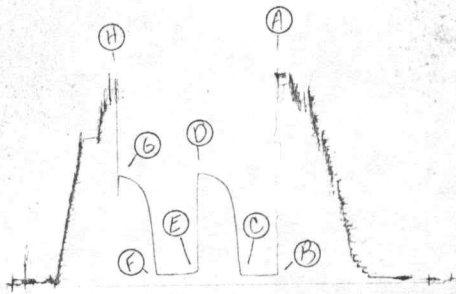
Date 1-18-85 Test Ticket No. 6345
 Recorder No. 13268 Capacity _____ Location _____
 Clock No. _____ Elevation _____ Well Temperature _____
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1093 P.S.I. Open Tool _____ M
 B First Initial Flow Pressure 48 P.S.I. First Flow Pressure 30 Mins. _____ Min
 C First Final Flow Pressure 51 P.S.I. Initial Closed-in Pressure 1 Mins. _____ Min
 D Initial Closed-in Pressure 620 P.S.I. Second Flow Pressure _____ Mins. _____ Min
 E Second Initial Flow Pressure 59 P.S.I. Final Closed-in Pressure _____ Mins. _____ Min
 F Second Final Flow Pressure 59 P.S.I.
 G Final Closed-in Pressure 612 P.S.I.
 H Final Hydrostatic Mud 1080 P.S.I.

PRESSURE BREAKDOWN

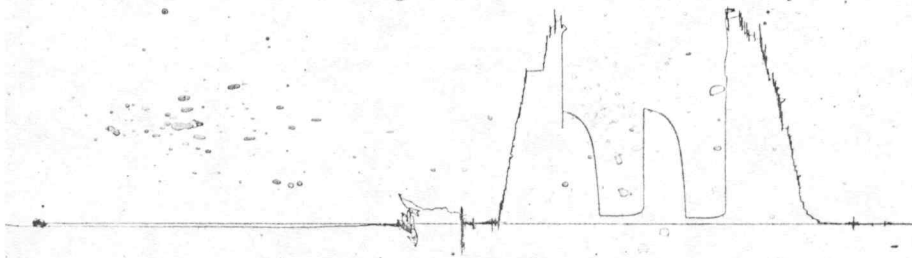
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>10</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> 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 0	<u>48</u>	0	<u>51</u>	0	<u>59</u>	0	<u>59</u>
P 2 5	<u>1</u>	3	<u>252</u>	5	<u>1</u>	3	<u>295</u>
P 3 10	<u>1</u>	6	<u>425</u>	10	<u>1</u>	6	<u>442</u>
P 4 15	<u>48</u>	9	<u>509</u>	15	<u>1</u>	9	<u>513</u>
P 5 20	<u>49</u>	12	<u>548</u>	20	<u>1</u>	12	<u>547</u>
P 6 25	<u>50</u>	15	<u>572</u>	25	<u>1</u>	15	<u>573</u>
P 7 30	<u>51</u>	18	<u>589</u>	30	<u>59</u>	(17) 18	<u>587</u>
P 8 35		21	<u>603</u>	35		21	<u>598</u>
P 9 40		24	<u>611</u>	40		24	<u>606</u>
P10 45		27	<u>616</u>	(18) 45		27	<u>612</u>
P11 50		(11) 30	<u>620</u>	50		(11) 30	
P12 55		33		55		33	
P13 60		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		(12) 45		(14) 75		(12) 45	
P17		48		80		48	
P18		51		85		51	
P19		54		(19) 90		54	
P20		57				57	
		60				(21) 60	

12768
TKT # 6345

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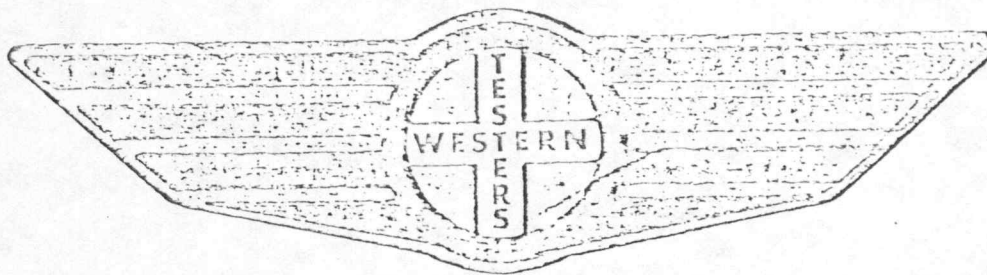
TKT # 63415
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/18/85
CUSTOMER: RAINS & WILLIAMSON OIL CO INC
WELL: 1 TEST: 1
ELEVATION (KB): 1602 FORMATION: KANSAS CITY
SECTION: 21 TOWNSHIP: 27S
RANGE: 8E COUNTY: BUTLER STATE: KANSAS
GAUGE SN #13268 RANGE: 4150 CLOCK: 12

TICKET #6345

LEASE: WIEDEMANN TRUST

GEOLOGIST: CALLVERT

FORMATION: KANSAS CITY

TOWNSHIP: 27S

STATE: KANSAS

CLOCK: 12

INTERVAL TEST FROM: 2115 FT TO: 2167 FT TOTAL DEPTH: 2167 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2115 FT SIZE: 6 3/4 IN PACKER DEPTH: 2110 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: 9.6 WATER LOSS (CC): 10.2
CHLORIDES (P.P.M.): 4000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH: 210 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 1885 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 52 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 TO A VERY WEAK BLOW
FOR 30 MINUTES.

RECOVERED: 30 FT OF: DRILLING MUD. CHLORIDES 3000 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:

TIME SET PACKER(S): 12:30 PM

TIME STARTED OFF BOTTOM: 2:30 PM

WELL TEMPERATURE: 95 °F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 27

FINAL HYDROSTATIC PRESSURE

(A) 1093 PSI

(B) 48 PSI TO (C) 51 PSI

(D) 620 PSI

(E) 59 PSI TO (F) 59 PSI

(G) 612 PSI

(H) 1080 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 1/18/85

CUSTOMER: RAINS & WILLIAMSON OIL CO INC

TEST: 1

FORMATION: KANSAS CITY

TOWNSHIP: 27S

COUNTY: BUTLER

RANGE: 4150

TICKET #6345

LEASE: WIEDEMANN TRUST

GEOLOGIST: CALLVERT

(A) INITIAL HYDROSTATIC PRESSURE: 1093 PSI

(B) FIRST INITIAL FLOW PRESSURE: 48 PSI

(C) FIRST FINAL FLOW PRESSURE: 51 PSI

(D) INITIAL CLOSED-IN PRESSURE: 620 PSI

(E) SECOND INITIAL FLOW PRESSURE: 59 PSI

(F) SECOND FINAL FLOW PRESSURE: 59 PSI

(G) FINAL CLOSED-IN PRESSURE: 612 PSI

(H) FINAL HYDROSTATIC PRESSURE: 1080 PSI

WELL TEMPERATURE: 95 'F

OPEN TOOL: 12:30 PM

TIME - GIVEN TIME - ACTUAL

FIRST FLOW PRESSURE: 30 MIN 30 MIN

INITIAL CLOSED-IN PRESSURE: 30 MIN 30 MIN

SECOND FLOW PRESSURE: 30 MIN 30 MIN

FINAL CLOSED-IN PRESSURE: 30 MIN 27 MIN

PRESSURE BREAKDOWN

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	48	0	51	0	59	0	59
2	5	48	3	252	5	59	3	295
3	10	48	6	425	10	59	6	442
4	15	48	9	509	15	59	9	513
5	20	49	12	548	20	59	12	547
6	25	50	15	572	25	59	15	573
7	30	51	18	589	30	59	18	587
8			21	603			21	598
9			24	611			24	606
10			27	616			27	612
11			30	620				

13

16



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 6346 OK

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

WICHITA, KANSAS 67201

Elevation 1602 KB Formation Cattleman Lcl. Eff. Pay Ft.

District Augusta Date 1-19-85 Customer Order No. -

COMPANY NAME Rains & Williamson Oil Co. Inc.

ADDRESS 435 Page Court 220 St Douglas Wichita, KS 67202

LEASE AND WELL NO. Wiedeman Trust #1 COUNTY Butler STATE KS Sec. 21 Twp. 27S Rge. 8E

Mail Invoice To Same #1 Wiedemann Trust No. Copies Requested 1

Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 2 Interval Tested From 2573 ft. to 2604 ft. Total Depth 2604 ft.

Packer Depth 2573 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2568 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2597 ft. Recorder Number 13266 Cap. 4200

Bottom Recorder Depth (Outside) 2600 ft. Recorder Number 13268 Cap. 4150

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

Drilling Contractor R. & W. Only #4 Drill Collar Length 120 I. D. 2 1/4 in.

Mud Type Chem Viscosity 36 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 9.2 cc. Drill Pipe Length 2433 I. D. 3.5 in.

Chlorides 4000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 31 ft. Size 5 1/2 in.

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

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

Blow: Missrun tool would not go to bottom

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Chlorides P.P.M. Sample Jars used Remarks: Tool would not go to bottom

Spudded tool 90' tool stopped 30' off bottom

Time On Location 5:30 1-19-85 P.M. Time Pick Up Tool 6:30 P.M. Time Off Location Standby A.M. P.M.

Time Set Packer(s) - A.M. Time Started Off Bottom 8:00 P.M. Maximum Temperature

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

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

Initial Closed In Period (D) P.S.I.

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

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

Final Hydrostatic Pressure (H) 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.

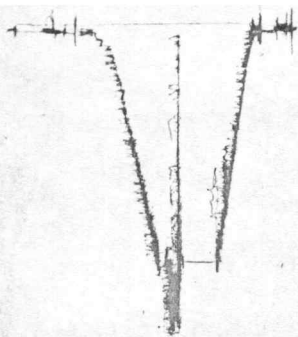
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By: Signature of Customer or his authorized representative

Western Representative: Norman Allen 0150

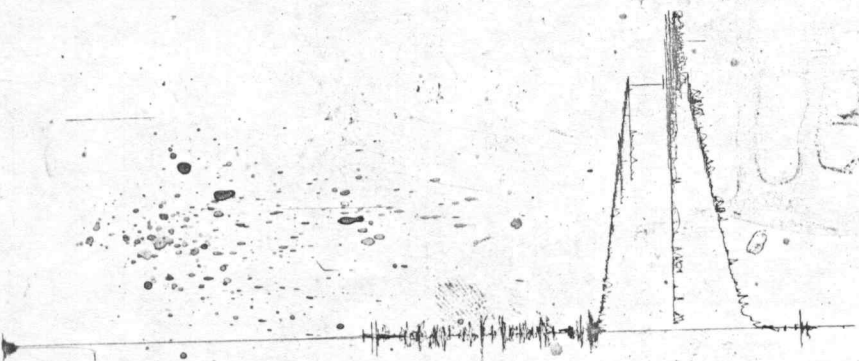
FIELD INVOICE

Open Hole Test \$
Misrun \$400
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$50
Telecopier \$
TOTAL \$



0
TKT # 63410

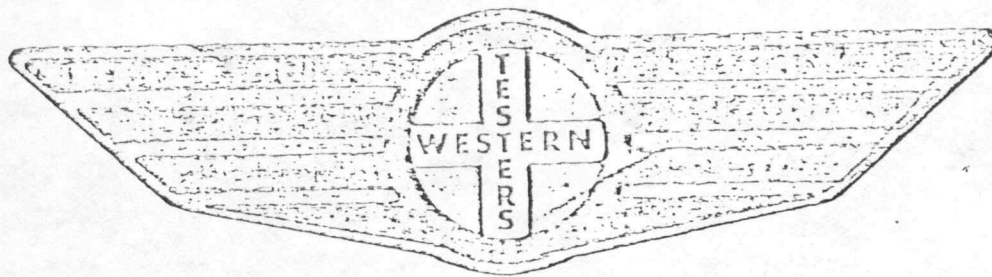
TKT # 63410
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

company _____
MAINT & WELLBURNING CO. _____
Lease and Well No. _____
T. L. WILDERMAN LAND CO. Sec. _____
Twp. _____
R. _____
S. _____
E. _____
N. _____

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/19/85
CUSTOMER: RAINS & WILLIAMSON OIL CO INC
WELL: 1 TEST: 2
ELEVATION (KB): 1602 FORMATION: CATTLEMAN SAND
SECTION: 21 TOWNSHIP: 27S
RANGE: 8E COUNTY: BUTLER STATE: KANSAS
GAUGE SN #13266 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 2573 FT TO: 2604 FT TOTAL DEPTH: 2604 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2573 FT SIZE: 6 3/4 IN PACKER DEPTH: 2568 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON
MUD TYPE: CHEMICAL VISCOSITY: 36
WEIGHT: 9.5 WATER LOSS (CC): 9.2
CHLORIDES (P.P.M.): 4000

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

DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2433 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 31 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:

REMARKS: MISRUN. TOOL WOULD NOT GO TO BOTTOM.
SPUDDERED TOOL 90'. TOOL STOPPED 30'
OFF BOTTOM. NO PRESSURES AVAILABLE.

TIME SET PACKER(S):

TIME STARTED OFF BOTTOM: 8:00 PM

WELL TEMPERATURE: 0 °F

INITIAL HYDROSTATIC PRESSURE:		(A) 0	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) 0	PSI	



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 6347

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

WICHITA, KANSAS 67201

Elevation 1602 RB Formation Cattleman Rd Eff. Pay Ft.

District 13

Date 1-20-85

Customer Order No.

COMPANY NAME Rains & Williamson Oil Co. Inc.

ADDRESS 435 Page Court 2204 Douglas, Wichita, Ks 67202

LEASE AND WELL NO. Wiedemann Trust #1 COUNTY Butler STATE Ks Sec. 21 Twp. 27S Rge. 8E

Mail Invoice To Same #1 Wiedemann Trust Co. Name Address No. Copies Requested 1

Mail Charts To Same Wiedemann Trust Address No. Copies Requested 5

Formation Test No. 3 Interval Tested From 2573 ft. to 2604 ft. Total Depth 2604 ft.

Packer Depth 2573 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 2568 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2600 ft. Recorder Number 13266 Cap. 4200

Bottom Recorder Depth (Outside) 2597 ft. Recorder Number 13268 Cap. 4150

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor R & W Drilling #4 Drill Collar Length 120 I. D. 2 1/4 in.

Mud Type Chem Viscosity 38 Weight Pipe Length I. D. in.

Weight 9.5 Water Loss 9.2 cc. Drill Pipe Length 2433 I. D. 3 1/8 in.

Chlorides 4000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 31 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.

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

Blow: 21 each 20 minutes - Reset tool once

Recovered 90 ft. of Thin drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used 2 Remarks:

Note: 60 mins on FCIP due to starting dead draw works engine

Time On Location 5:30 A.M. 1-19 P.M. Time Pick Up Tool 3:30 A.M. 1-20 P.M. Time Off Location Standby A.M. P.M.

Time Set Packer(s) 5:00 A.M. Time Started Off Bottom 7:30 A.M. Maximum Temperature 105

Initial Hydrostatic Pressure (A) 1295 P.S.I.

Initial Flow Period Minutes 30 (B) 80 P.S.I. to (C) 90 P.S.I.

Initial Closed In Period Minutes 30 (D) 730 P.S.I.

Final Flow Period Minutes 30 (E) 100 P.S.I. to (F) 90 P.S.I.

Final Closed In Period Minutes 60 (G) 860 P.S.I.

Final Hydrostatic Pressure (H) 1285 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 of Customer or his authorized representative

Western Representative

Norman Allen

0150

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 \$ 50
Telecopier \$
TOTAL \$

WESTERN TESTING CO., INC.

Pressure Data

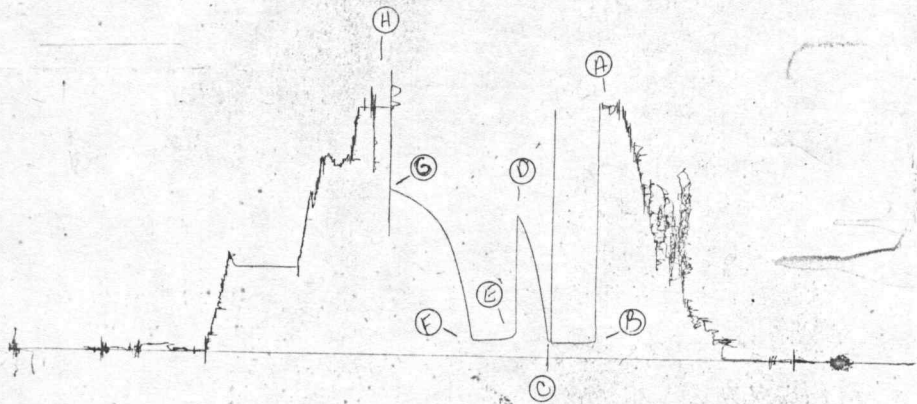
Date: 1-20-85 Test Ticket No. 6347
 Recorder No. 13266p Capacity _____ Location _____
 Clock No. _____ Elevation _____ Well Temperature _____
 Point Pressure Time Time
 Given Computed
 A Initial Hydrostatic Mud 1313 P.S.I. Open Tool _____ M _____
 B First Initial Flow Pressure 80 P.S.I. First Flow Pressure 30 Mins. _____ Min.
 C First Final Flow Pressure 80 P.S.I. Initial Closed-in Pressure 30 Mins. _____ Min.
 D Initial Closed-in Pressure 726 P.S.I. Second Flow Pressure 30 Mins. _____ Min.
 E Second Initial Flow Pressure 86 P.S.I. Final Closed-in Pressure 60 Mins. _____ Min.
 F Second Final Flow Pressure 86 P.S.I.
 G Final Closed-in Pressure 854 P.S.I.
 H Final Hydrostatic Mud 1283 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>7</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 0	<u>80</u>	0	<u>80</u>	0	<u>86</u>	0	<u>86</u>
P 2 5		3	<u>145</u>	5	<u>86</u>	3	<u>152</u>
P 3 10		6	<u>260</u>	10		6	<u>260</u>
P 4 15		9	<u>364</u>	15		9	<u>346</u>
P 5 20		12	<u>453</u>	20		12	<u>421</u>
P 6 25		15	<u>534</u>	25		15	<u>492</u>
P 7 30	<u>80</u>	18	<u>600</u>	30	<u>86</u>	(1) 18	<u>556</u>
P 8 35		21	<u>652</u>	35		21	<u>610</u>
P 9 40		24	<u>700</u>	40		24	<u>646</u>
P 10 45		27	<u>726</u>	(10) 45		27	<u>680</u>
P 11 50		(11) 30		50		(11) 30	<u>706</u>
P 12 55		33		55		33	<u>728</u>
P 13 60		35		60		36	<u>748</u>
P 14		39		65		39	<u>765</u>
P 15		42		70		42	<u>780</u>
P 16		(12) 45		(11) 75		(12) 45	<u>793</u>
P 17		48		80		48	<u>806</u>
P 18		51		85		51	<u>818</u>
P 19		54		(19) 90		54	<u>838</u>
P 20		57				57	<u>838</u>
		60				(21) 60	<u>846</u>
						63	<u>854</u>

TKT # 6347

I



12264
TKT #16347

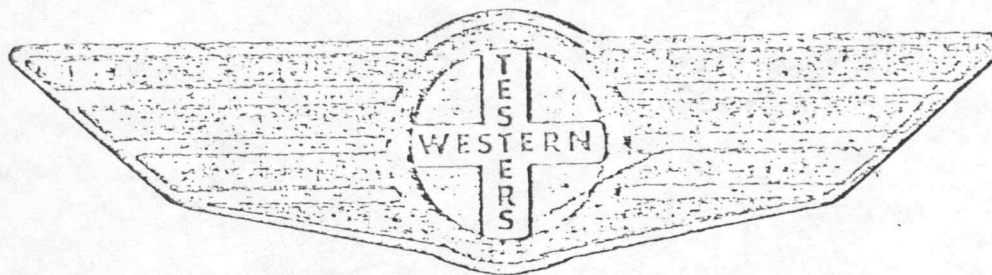
①



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company RAINS & WILLIAMSON OIL Lease and Well No. #1 WIEDEMANN TRUST Sec. 21 Twp. 2/S Rge. 8E Test No. 3 Date 1/20/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/20/85
CUSTOMER: RAINS & WILLIAMSON OIL CO INC
WELL: 1 TEST: 3
ELEVATION (KB): 1602 FORMATION: CATTLEMAN SAND
SECTION: 21 TOWNSHIP: 27S
RANGE: 8E COUNTY: BUTLER STATE: KANSAS
GAUGE SN #13266 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 2573 FT TO: 2604 FT TOTAL DEPTH: 2604 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2573 FT SIZE: 6 3/4 IN PACKER DEPTH: 2568 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON
MUD TYPE: CHEMICAL VISCOSITY: 38
WEIGHT: 9.5 WATER LOSS (CC): 9.2
CHLORIDES (P.P.M.): 4000

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2433 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 31 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 FOR 20 MINUTES. RESET
TOOL ONCE.

RECOVERED: 90 FT OF: THIN 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: 60 MINUTES ON FINAL SHUT-IN; DUE
TO STARTING DEAD DRAW WORKS ENGINE.

TIME SET PACKER(S): 5:00 AM
WELL TEMPERATURE: 105 °F
INITIAL HYDROSTATIC PRESSURE:
INITIAL FLOW PERIOD MIN: 30
INITIAL CLOSED IN PERIOD MIN: 27
FINAL FLOW PERIOD MIN: 30
FINAL CLOSED IN PERIOD MIN: 63
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 7:30 AM

(A) 1313 PSI
(B) 80 PSI TO (C) 80 PSI
(D) 726 PSI
(E) 86 PSI TO (F) 86 PSI
(G) 854 PSI
(H) 1283 PSI



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 6348

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

Elevation 1602 KB Formation - - Eff. Pay - Ft.

R 025 District 13 Augusty Date 1-23-85 Customer Order No. -
COMPANY NAME Rains & Williamson Oil Co. Inc.
ADDRESS 435 Page Court 220 W Douglas Wichita, KS 67202
LEASE AND WELL NO. Heidemann Trust #1 COUNTY Butler STATE KS Sec. 21 Twp. 27 Rge. 5 SE
Mail Invoice To Same #1 Heidemann Trust No. Copies Requested 1
Co. Name Address
Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 4 Interval Tested From 3154 ft. to 3172 ft. Total Depth 3172 ft.
Packer Depth 3154 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 3149 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3164 ft. Recorder Number 13266 Cap. 4200
Bottom Recorder Depth (Outside) 3167 ft. Recorder Number 13268 Cap. 4150
Below Saddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor R 821.01g #4 Drill Collar Length 120 I. D. 2 1/4 in.
Mud Type Chem Viscosity 43 Weight Pipe Length - I. D. - in.
Weight 9.6 Water Loss 10 cc. Drill Pipe Length 3014 I. D. 3.8 in.
Chlorides 4000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
Jars: Make - Serial Number - Anchor Length 18 ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 1/8 in. Tool Joint Size 4 1/2 X 14 in.

Blow: 2 break to very weak 45 minutes

Recovered 2 ft. of Free oil - 17 Gravity
Recovered 5 ft. of Drilgmud
Recovered - ft. of
Recovered - ft. of
Recovered - ft. of
Chlorides 4000 P.P.M. Sample Jars used 2 Remarks:

Read Outside Chart

Time On Location 1:00 1-23 A.M. Time Pick Up Tool 3:00 A.M. Time Off Location Standby A.M.
Time Set Packer(s) 5:00 A.M. Time Started Off Bottom 700 A.M. Maximum Temperature 114
Initial Hydrostatic Pressure (A) 1645 P.S.I.
Initial Flow Period Minutes 30 (B) 50 P.S.I. to (C) 50 P.S.I.
Initial Closed In Period Minutes 30 (D) 60 P.S.I.
Final Flow Period Minutes 30 (E) 50 P.S.I. to (F) 50 P.S.I.
Final Closed In Period Minutes 30 (G) 60 P.S.I.
Final Hydrostatic Pressure (H) 1640 P.S.I. (13268)

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] 1/23/85 Dave Callewert
Signature of Customer or his authorized representative

Western Representative Norman Allen 0150

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 \$ 550

WESTERN TESTING CO., INC.

Pressure Data

Date 1-23-85Test Ticket No. 6348Recorder No. 13268 Capacity _____ Location _____

Clock No. _____ Elevation _____ Well Temperature _____

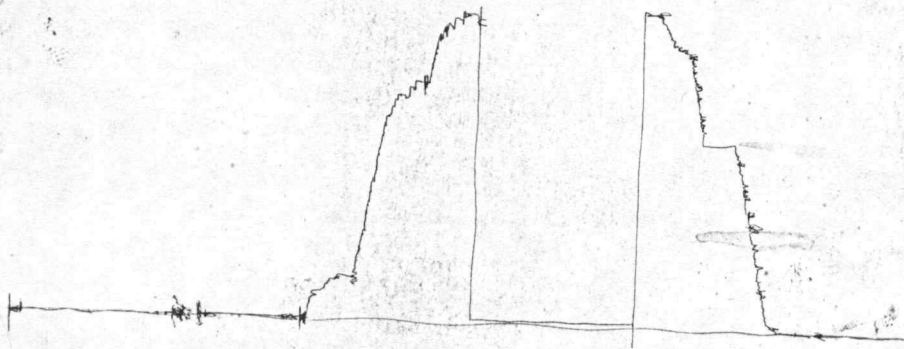
Point	Pressure	Open Tool	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1660</u> P.S.I.			
B. First Initial Flow Pressure	<u>48</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	
C. First Final Flow Pressure	<u>48</u> P.S.I.	Initial Closed-in Pressure		
D. Initial Closed-in Pressure	<u>52</u> P.S.I.	Second Flow Pressure		
E. Second Initial Flow Pressure	<u>46</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	
F. Second Final Flow Pressure	<u>46</u> P.S.I.			
G. Final Closed-in Pressure	<u>49</u> P.S.I.			
H. Final Hydrostatic Mud	<u>1630</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>11</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>11</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 0	<u>48</u>	0	<u>48</u>	0	<u>46</u>	0	<u>46</u>
P 2 5		3	<u>48</u>	5		3	
P 3 10		6	<u>48</u>	10		6	
P 4 15		9	<u>49</u>	15		9	
P 5 20		12	<u>49</u>	20		12	
P 6 25		15	<u>49</u>	25		15	<u>46</u>
P 7 30	<u>48</u>	18	<u>50</u>	30	<u>46</u>	18	<u>47</u>
P 8 35		21	<u>50</u>	35		21	<u>47</u>
P 9 40		24	<u>51</u>	40		24	<u>48</u>
P 10 45		27	<u>51</u>	45		27	<u>48</u>
P 11 50		30	<u>52</u>	50		30	<u>49</u>
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14 65		39		65		39	
P 15 70		42		70		42	
P 16 75		45		75		45	
P 17 80		48		80		48	
P 18 85		51		85		51	
P 19 90		54		90		54	
P 20 95		57		95		57	
100		60		100		60	

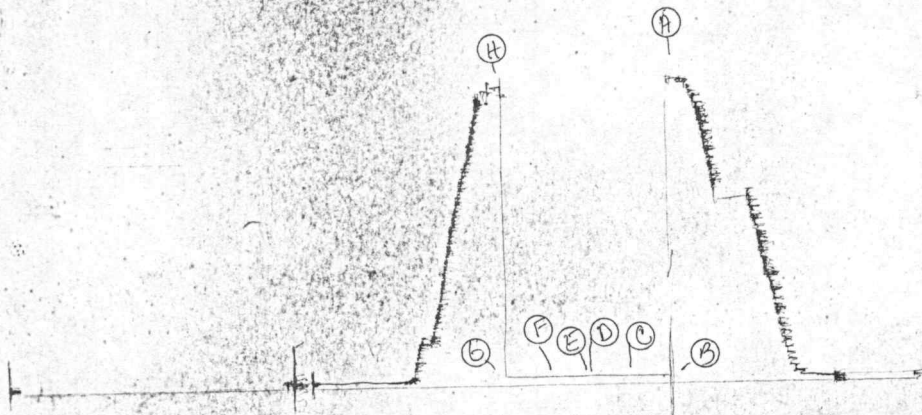
TKT # 6348

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TRT # 6348

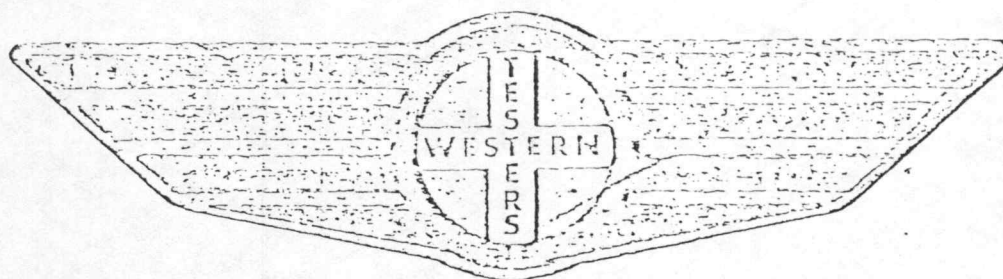
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/23/85
CUSTOMER: RAINS & WILLIAMSON OIL CO INC
WELL: 1 TEST: 4
ELEVATION (KB): 1602 FORMATION:
SECTION: 21 TOWNSHIP: 27S
RANGE: 8E COUNTY: BUTLER STATE: KANSAS
GAUGE SN #13268 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3154 FT TO: 3172 FT TOTAL DEPTH: 3172 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3154 FT SIZE: 6 3/4 IN PACKER DEPTH: 3149 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON
MUD TYPE: CHEMICAL VISCOSITY: 43
WEIGHT: 9.6 WATER LOSS (CC): 10.0
CHLORIDES (P.P.M.): 4000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3014 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 18 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 TO A VERY WEAK BLOW IN
45 MINUTES.

RECOVERED: 2 FT OF: FREE OIL (17 GRAVITY).
RECOVERED: 5 FT OF: DRILLING MUD.
RECOVERED: FT OF: CHLORIDES 4000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: READ OUTSIDE CHART.

TIME SET PACKER(S): 5:00 AM TIME STARTED OFF BOTTOM: 7:00 AM
WELL TEMPERATURE: 114 'F
INITIAL HYDROSTATIC PRESSURE: (A) 1661 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 48 PSI TO (C) 48 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 52 PSI
FINAL FLOW PERIOD MIN: 30 (E) 46 PSI TO (F) 46 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 49 PSI
FINAL HYDROSTATIC PRESSURE (H) 1630 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 1/23/85

CUSTOMER: RAINS & WILLIAMSON OIL CO INC

TICKET #6348

LEASE: WIEDEMANN TRUST

GEOLOGIST: CALLEWAERT

TOWNSHIP: 27S

CLOCK: 12

OPEN TOOL: 5:00 AM

FINAL CLOSED-IN PRESSURE: 30 MIN 30 MIN

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	48	0	48	0	46	0	46
2	5	48	3	48	5	46	3	46
3	10	48	6	48	10	46	6	46
4	15	48	9	49	15	46	9	46
5	20	48	12	49	20	46	12	46
6	25	48	15	49	25	46	15	46
7	30	48	18	50	30	46	18	47
8			21	50			21	47
9			24	51			24	47
10			27	51			27	48
11			30	52			30	49



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

Nº

OK
6349

P. O. BOX 1599

PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation 1602 KB

Formation

Eff. Pay Ft.

District

Date

Customer Order No.

COMPANY NAME

ADDRESS

LEASE AND WELL NO.

COUNTY

STATE

Sec.

Twp.

Rge.

Mail Invoice To

Cp. Name

Address

No. Copies Requested

Mail Charts To

Address

No. Copies Requested

Formation Test No.

Interval Tested From

ft. to

ft.

Total Depth

ft.

Packer Depth

ft.

Size

in.

Packer Depth

ft.

Size

in.

Packer Depth

ft.

Size

in.

Packer Depth

ft.

Size

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

3168

ft.

Recorder Number

13268

Cap.

4150

Bottom Recorder Depth (Outside)

3171

ft.

Recorder Number

13266

Cap.

4200

Below Saddle Recorder Depth

ft.

Recorder Number

Cap.

Drilling Contractor

Mud Type

Viscosity

Weight

Water Loss

Chlorides

P.P.M.

Jars: Make

Serial Number

Did Well Flow?

Reversed Out

Drill Collar Length

I. D.

Weight Pipe Length

I. D.

Drill Pipe Length

I. D.

Test Tool Length

ft.

Tool Size

Anchor Length

ft.

Size

Surface Choke Size

in.

Bottom Choke Size

Main Hole Size

in.

Tool Joint Size

Blow:

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Chlorides 3500

P.P.M. Sample Jars used

Remarks:

Time On Location

1:23

A.M.

Time Pick Up Tool

3:25

A.M.

Time Off Location

Standby

A.M.

Time Set Packer(s)

4:30

P.M.

Time Started Off Bottom

6:30

P.M.

Maximum Temperature

114

Initial Hydrostatic Pressure

(A) 1645

P.S.I.

Initial Flow Period

Minutes

30

(B) 40

P.S.I. to (C)

50

P.S.I.

Initial Closed In Period

Minutes

30

(D) 595

P.S.I.

Final Flow Period

Minutes

30

(E) 60

P.S.I. to (F)

50

P.S.I.

Final Closed In Period

Minutes

30

(G) 545

P.S.I.

Final Hydrostatic Pressure

(H) 1625

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 of Customer or his authorized representative

Western Representative

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 1-23-85

Test Ticket No. 6349

Recorder No. 13268

Capacity _____

Location _____

Clock No. _____ Elevation _____

Well Temperature _____

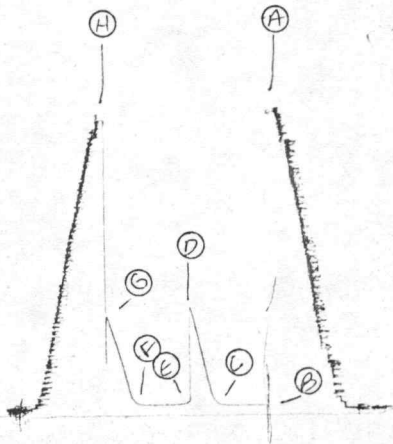
Point	Pressure	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1661</u> P.S.I.		M
B. First Initial Flow Pressure	<u>57</u> P.S.I.	<u>30</u> Mins.	Mins.
C. First Final Flow Pressure	<u>57</u> P.S.I.		Mins.
D. Initial Closed-in Pressure	<u>608</u> P.S.I.		Mins.
E. Second Initial Flow Pressure	<u>62</u> P.S.I.		Mins.
F. Second Final Flow Pressure	<u>62</u> P.S.I.		Mins.
G. Final Closed-in Pressure	<u>553</u> P.S.I.		Mins.
H. Final Hydrostatic Mud	<u>1604</u> P.S.I.		Mins.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>11</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 0	<u>57</u>	0	<u>57</u>	0	<u>62</u>	0	<u>62</u>
P 2 5		3	<u>61</u>	5		3	<u>62</u>
P 3 10		6	<u>73</u>	10		6	<u>64</u>
P 4 15		9	<u>107</u>	15		9	<u>70</u>
P 5 20		12	<u>186</u>	20		12	<u>96</u>
P 6 25		15	<u>285</u>	25		15	<u>159</u>
P 7 30	<u>57</u>	18	<u>380</u>	30	<u>62</u>	18	<u>244</u>
P 8 35		21	<u>480</u>	35		21	<u>328</u>
P 9 40		24	<u>578</u>	40		24	<u>404</u>
P 10 45		27	<u>608</u>	45		27	<u>477</u>
P 11 50		30		50		30	<u>553</u>
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14 65		39		65		39	
P 15 70		42		70		42	
P 16 75		45		75		45	
P 17 80		48		80		48	
P 18 85		51		85		51	
P 19 90		54		90		54	
P 20 95		57		95		57	
100		60		100		60	

ICF# 60349

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6349

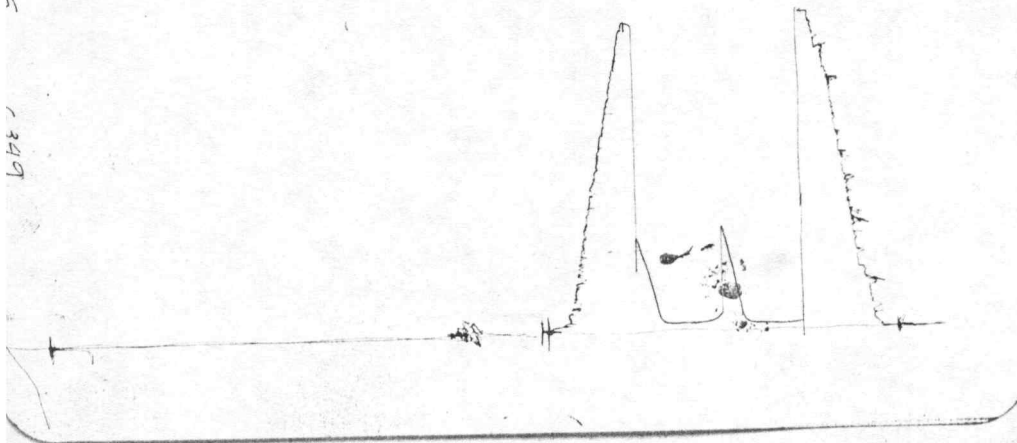
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TK# 60349

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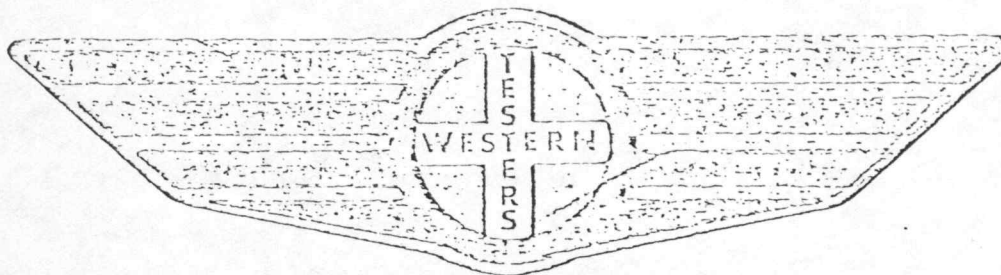
1349



FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/23/85
CUSTOMER: RAINS & WILLIAMSON OIL CO INC
WELL: 1 TEST: 5
ELEVATION (KB): 1602 FORMATION:
SECTION: 21 TOWNSHIP: 27S
RANGE: 8W COUNTY: BUTLER STATE: KANSAS
GAUGE SN #13268 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3158 FT TO: 3176 FT TOTAL DEPTH: 3176 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3158 FT SIZE: 6 3/4 IN PACKER DEPTH: 3153 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON
MUD TYPE: CHEMICAL VISCOSITY: 43
WEIGHT: 9.6 WATER LOSS (CC): 10.0
CHLORIDES (P.P.M.): 4000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3018 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 18 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 FOR 10 MINUTES.

RECOVERED: 2 FT OF: FREE OIL (18 GRAVITY).
RECOVERED: 5 FT OF: DRILLING MUD.
RECOVERED: FT OF: CHLORIDES 3500 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 4:30 PM TIME STARTED OFF BOTTOM: 6:30 PM
WELL TEMPERATURE: 114 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1661 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 57 PSI TO (C) 57 PSI
INITIAL CLOSED IN PERIOD MIN: 27 (D) 608 PSI
FINAL FLOW PERIOD MIN: 30 (E) 62 PSI TO (F) 62 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 553 PSI
FINAL HYDROSTATIC PRESSURE (H) 1624 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

TICKET #6349

LEASE: WIEDEMANN TRUST

TEST: 5

GEOLOGIST: CALLEWAERT

FORMATION:

TOWNSHIP: 27S

COUNTY: BUTLER

STATE: KANSAS

RANGE: 4150

CLOCK: 12

PSI

PS I

PSI

PSI

PSI

PSI

PSI

PSI

'F

114

'F

TIME - GIVEN TIME - ACTUAL

30 MIN 30 MIN

30 MIN 27 MIN

30 MIN 30 MIN

30 MIN 30 MIN

PRESSURE BREAKDOWN

[illegible]



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 6350

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

Elevation 1602 KB

Formation Simpson Ark

Eff. Pay - Ft.

WICHITA, KANSAS 67201

District 13

Date 1-24-85

Customer Order No. -

COMPANY NAME Rains & Williamson Oil Co

ADDRESS 435 Page Court 220 W Douglas Wichita, KS 67202

LEASE AND WELL NO. Wiedemann Trust #1 COUNTY Butler STATE KS Sec. 21 Twp. 27S Rge. 8E

Mail Invoice To Same #1 Wiedemann Trust No. Copies Requested 1

Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 6 Interval Tested From 3171 ft. to 3202 ft. Total Depth 3202 ft.

Packer Depth 3171 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3166 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3194 ft.

Recorder Number 13268 Cap. 4150

Bottom Recorder Depth (Outside) 3197 ft.

Recorder Number 13266 Cap. 4200

Below Saddle Recorder Depth - ft.

Recorder Number - Cap. -

Drilling Contractor R. & W. Oil Co #4

Drill Collar Length 120 I. D. 2 1/4 in.

Mud Type Chem Viscosity 43

Weight Pipe Length - I. D. - in.

Weight 9.6 Water Loss 10. cc.

Drill Pipe Length 3031 I. D. 3.8 in.

Chlorides 4000 P.P.M.

Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number -

Anchor Length 31 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No

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 1 1/2 in.

Blow: 21 inch thru test

Recovered 5 ft. of Free gas 28 Gravity

Recovered 30 ft. of Oil cut mud 25% oil 75% mud

Recovered 60 ft. of Slightly oil cut mud 5% oil 95% mud

Recovered - ft. of

Recovered - ft. of

Chlorides 3500 P.P.M. Sample Jars used 4

Remarks:

Time On Location 2:40 1-24 A.M.

Time Pick Up Tool 4:00 A.M.

Time Off Location Standby A.M.

Time Set Packer(s) 5:30 A.M.

Time Started Off Bottom 8:00 A.M.

Maximum Temperature 114 P.M.

Initial Hydrostatic Pressure (A) 1645 P.S.I.

Initial Flow Period Minutes 30 (B) 80 P.S.I. to (C) 70 P.S.I.

Initial Closed In Period Minutes 30 (D) 1065 P.S.I.

Final Flow Period Minutes 45 (E) 95 P.S.I. to (F) 95 P.S.I.

Final Closed In Period Minutes 45 (G) 1065 P.S.I.

Final Hydrostatic Pressure (H) 1645 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 Norman Allen Signature of Customer or his authorized representative

Western Representative Norman Allen 0150

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 1-24

Test Ticket No. 6350

Recorder No. 13268

Capacity _____ Location _____

Clock No. _____ Elevation _____ Well Temperature _____

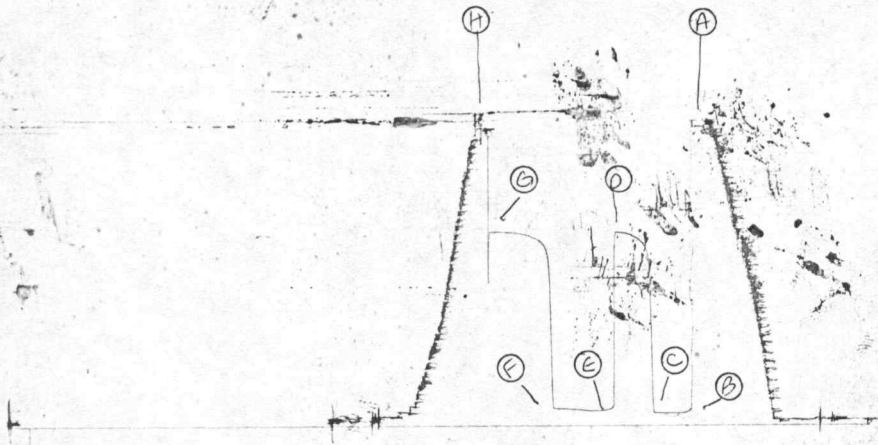
Point	Pressure	Open Tool	Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1640</u> P.S.I.			
B. First Initial Flow Pressure	<u>70</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	
C. First Final Flow Pressure	<u>72</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	
D. Initial Closed-in Pressure	<u>1068</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins.	
E. Second Initial Flow Pressure	<u>84</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	
F. Second Final Flow Pressure	<u>97</u> P.S.I.			
G. Final Closed-in Pressure	<u>1069</u> P.S.I.			
H. Final Hydrostatic Mud	<u>1630</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>10</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>16</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>70</u>	<u>0</u>	<u>72</u>	<u>0</u>	<u>84</u>	<u>0</u>	<u>97</u>
P 2 <u>5</u>		<u>3</u>	<u>838</u>	<u>5</u>		<u>3</u>	<u>882</u>
P 3 <u>10</u>		<u>6</u>	<u>984</u>	<u>10</u>		<u>6</u>	<u>987</u>
P 4 <u>15</u>		<u>9</u>	<u>1013</u>	<u>15</u>	<u>84</u>	<u>9</u>	<u>1017</u>
P 5 <u>20</u>	<u>70</u>	<u>12</u>	<u>1034</u>	<u>20</u>	<u>85</u>	<u>12</u>	<u>1030</u>
P 6 <u>25</u>	<u>74</u>	<u>15</u>	<u>1045</u>	<u>25</u>	<u>90</u>	<u>15</u>	<u>1046</u>
P 7 <u>30</u>	<u>72</u>	<u>18</u>	<u>1056</u>	<u>30</u>	<u>93</u>	<u>18</u>	<u>1050</u>
P 8 <u>35</u>		<u>21</u>	<u>1062</u>	<u>35</u>	<u>95</u>	<u>21</u>	<u>1055</u>
P 9 <u>40</u>		<u>24</u>	<u>1065</u>	<u>40</u>	<u>96</u>	<u>24</u>	<u>1059</u>
P 10 <u>45</u>		<u>27</u>	<u>1068</u>	<u>45</u>	<u>97</u>	<u>27</u>	<u>1063</u>
P 11 <u>50</u>		<u>30</u>		<u>50</u>		<u>30</u>	<u>1064</u>
P 12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	<u>1065</u>
P 13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	<u>1066</u>
P 14 <u>65</u>		<u>39</u>		<u>65</u>		<u>39</u>	<u>1067</u>
P 15 <u>70</u>		<u>42</u>		<u>70</u>		<u>42</u>	<u>1068</u>
P 16 <u>75</u>		<u>45</u>		<u>75</u>		<u>45</u>	<u>1069</u>
P 17 <u>80</u>		<u>48</u>		<u>80</u>		<u>48</u>	
P 18 <u>85</u>		<u>51</u>		<u>85</u>		<u>51</u>	
P 19 <u>90</u>		<u>54</u>		<u>90</u>		<u>54</u>	
P 20 <u>95</u>		<u>57</u>		<u>95</u>		<u>57</u>	
100		60		100		60	

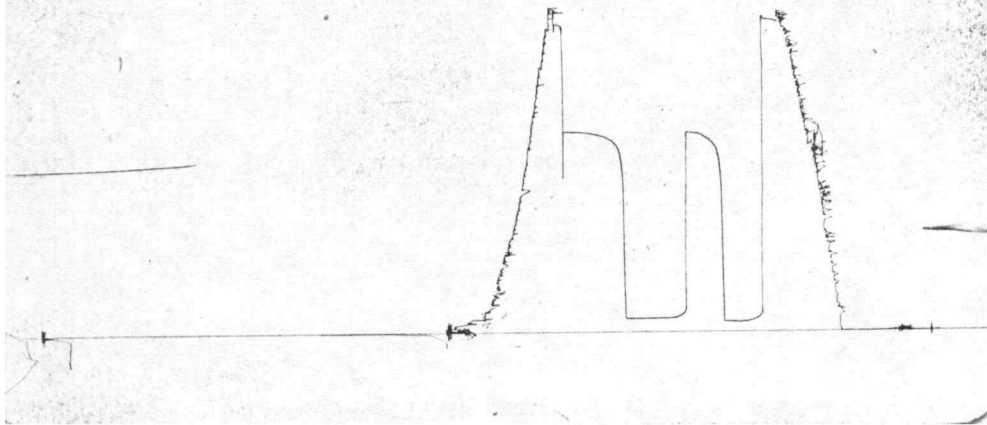
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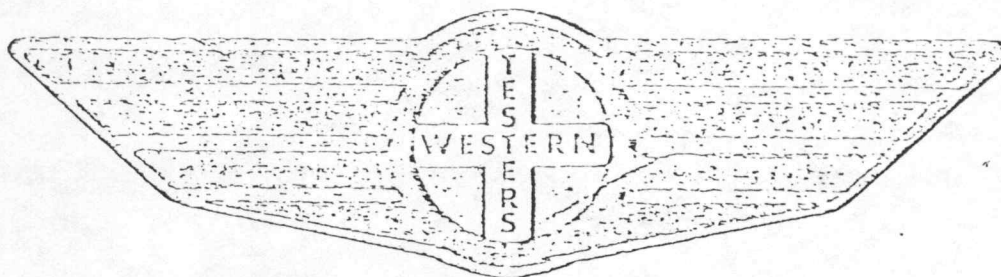
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 1/24/85
CUSTOMER: RAINS & WILLIAMSON OIL CO INC
WELL: 1 TEST: 6
ELEVATION (KB): 1602 FORMATION: SIMPSON-ARBUCKLE
SECTION: 21 TOWNSHIP: 27S
RANGE: 8E COUNTY: BUTLER STATE: KANSAS
GAUGE SN #13268 RANGE: 4150 CLOCK: 12

INTERVAL TEST FROM: 3171 FT TO: 3202 FT TOTAL DEPTH: 3202 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3171 FT SIZE: 6 3/4 IN PACKER DEPTH: 3166 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS & WILLIAMSON
MUD TYPE: CHEMICAL VISCOSITY: 43
WEIGHT: 9.6 WATER LOSS (CC): 10.0
CHLORIDES (P.P.M.): 4000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3031 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 31 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: 5 FT OF: FREE OIL (28 GRAVITY).
RECOVERED: 30 FT OF: OIL CUT MUD (25% OIL; 75% MUD).
RECOVERED: 60 FT OF: SLIGHTLY OIL CUT MUD (5% OIL; 95% MUD).
RECOVERED: FT OF: CHLORIDES 3500 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 5:30 AM TIME STARTED OFF BOTTOM: 8:00 AM
WELL TEMPERATURE: 114 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1640 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 70 PSI TO (C) 72 PSI
INITIAL CLOSED IN PERIOD MIN: 27 (D) 1068 PSI
FINAL FLOW PERIOD MIN: 45 (E) 84 PSI TO (F) 97 PSI
FINAL CLOSED IN PERIOD MIN: 45 (G) 1069 PSI
FINAL HYDROSTATIC PRESSURE (H) 1630 PSI

