



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO: 10305

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

Elevation 1726 KB Formation L/KC Eff. Pay Ft.

COMPANY NAME Rains & Williamson Oil Co. Inc.
ADDRESS 435 Page Court 220 W. Douglas Wichita, 67202
LEASE AND WELL NO. John Fuller #2 COUNTY Russell STATE Kans Sec 34 Twp. 11S Rge. 14W
Mail Invoice To Same #2 John Fuller No. Copies Requested 5
Mail Charts To Address No. Copies Requested 5

Formation Test No. 1 Interval Tested From 2942 ft. to 2972 ft. Total Depth 2972 ft.
Packer Depth 2937 ft. Size 6 5/8 in. Packer Depth ft. Size in.
Packer Depth 2942 ft. Size 6 7/8 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 2981 ft. Recorder Number 13541 Cap. 4200
Bottom Recorder Depth (Outside) 2984 ft. Recorder Number 13401 Cap. 3950
Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Co tool rig #9
Mud Type starch Viscosity 45
Weight 10.0 Water Loss 11.8 cc.
Chlorides 55,000 P.P.M.
Jars: Make Serial Number
Did Well Flow? Reversed Out
Blow: Very weak surface blow only through out period
FSD - weak 1/2" blow, decreasing some what during last 1/2 of period
Recovered ft. of
Recovered 90' ft. of O/GCM - 30% oil - 10% gas - 45% mud - 15% water -
Recovered ft. of
Recovered ft. of
Recovered ft. of
Chlorides 67,000 P.P.M. Sample Jars used 2 Remarks:

Time On Location 4:10 AM P.M. Time Pick Up Tool 6:35 AM P.M. Time Off Location AM P.M.
Time Set Packer(s) 7:30 AM P.M. Time Started Off Bottom 9:30-10:00 AM P.M. Maximum Temperature 101°
Initial Hydrostatic Pressure (A) 11005 P.S.I.
Initial Flow Period Minutes 30 (B) 63 P.S.I. to (C) 63 P.S.I.
Initial Closed In Period Minutes 30 (D) 201 P.S.I.
Final Flow Period Minutes 30 60 (E) 84 P.S.I. to (F) 84 P.S.I.
Final Closed In Period Minutes 30 (G) 190 P.S.I.
Final Hydrostatic Pressure (H) 1584 P.S.I.

RECEIVED JUN 03 1985
Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the user 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: Mike Engelbert
Signature of Customer or his authorized representative
Western Representative: Gene Cherbonnet

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

0500

WESTERN TESTING CO., INC.

Pressure Data

Date 5-29  
 Recorder No. 13547  
 Clock No. \_\_\_\_\_

Test Ticket No. 10305  
 Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft. \_\_\_\_\_  
 Well Temperature \_\_\_\_\_ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1613</u> P.S.I.			
B First Initial Flow Pressure	<u>55</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>55</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>195</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>71</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>74</u> P.S.I.			
G Final Closed-in Pressure	<u>180</u> P.S.I.			
H Final Hydrostatic Mud	<u>1574</u> P.S.I.			

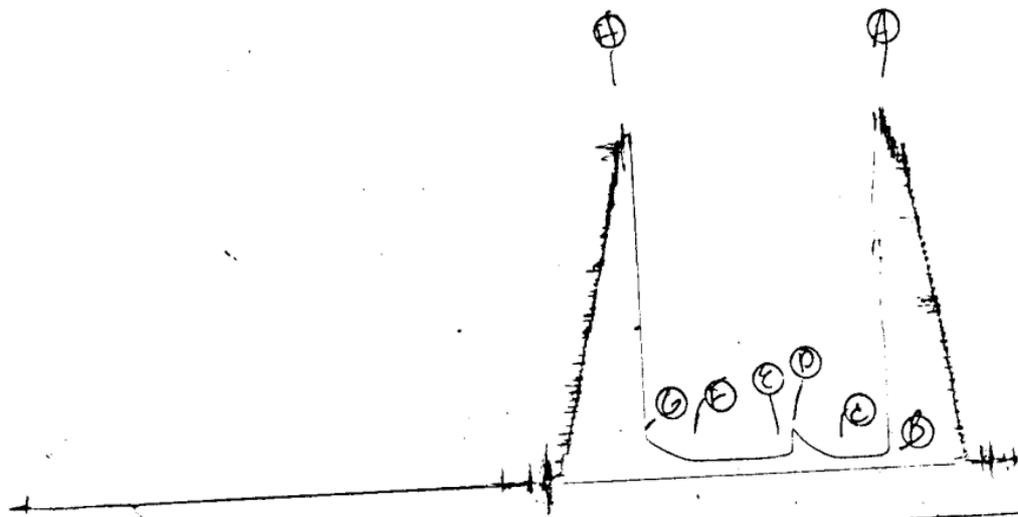
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>13</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>55</u>	0	<u>55</u>	0	<u>71</u>	0	<u>74</u>
P 2 5		3	<u>57</u>	5		3	<u>76</u>
P 3 10		6	<u>61</u>	10		6	<u>82</u>
P 4 15		9	<u>69</u>	15		9	<u>88</u>
P 5 20		12	<u>79</u>	20		12	<u>97</u>
P 6 25		15	<u>93</u>	25		15	<u>107</u>
P 7 30	<u>55</u>	18	<u>106</u>	30	<u>71</u>	18	<u>122</u>
P 8 35		21	<u>123</u>	35	<u>72</u>	21	<u>136</u>
P 9 40		24	<u>144</u>	40	<u>72</u>	24	<u>148</u>
P10 45		27	<u>174</u>	45	<u>72</u>	27	<u>164</u>
P11 50		30	<u>195</u>	50	<u>73</u>	30	<u>180</u>
P12 55		33		55	<u>73</u>	33	
P13 60		36		60	<u>74</u>	36	
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45		75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57		95		57	
100		60		100		60	

13547

Pl # 10305

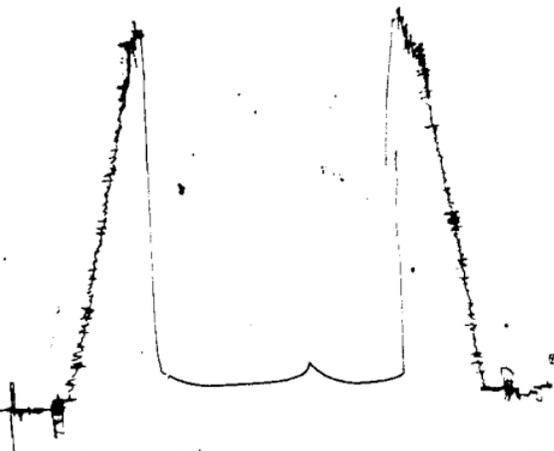
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13401

KA # 10305

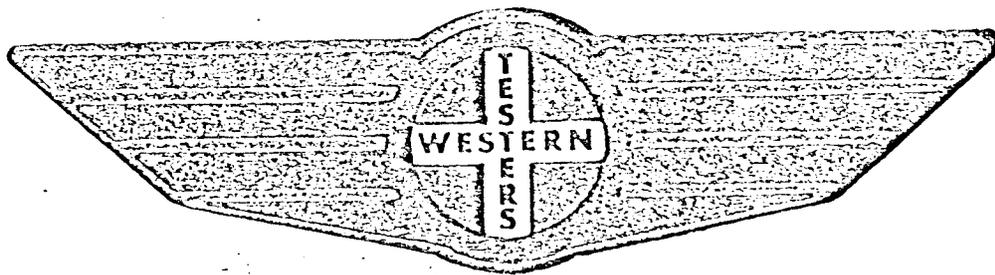
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company RAINS & WILLIAMSON OIL CO INCREASE & WELL No. #2 JOHN FULLER Dec. 24 1954

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 5-29-85

CUSTOMER: RAINS & WILLIAMSON OIL CO INC

WELL: 2

ELEVATION (KB): 1726

SECTION: 34

RANGE: 14W

GAUGE SN #13547

TEST: 1

COUNTY: RUSSELL

RANGE: 4200

FORMATION:

TOWNSHIP: 11S

TICKET #10305

LEASE: JOHN FULLER

GEOLOGIST: M. ENGELBRECHT

LOWER KANSAS CITY

STATE: KANSAS

CLOCK: 12

INTERVAL TEST FROM: 2942 FT TO: 2972 FT TOTAL DEPTH: 2972 FT  
DEPTH OF SELECTIVE ZONE: FT  
PACKER DEPTH: 2937 FT SIZE: 6 5/8 IN PACKER DEPTH: 2942 FT SIZE: 6 5/8 IN  
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: R&W DRLG. RIG #9

MUD TYPE: STARCH

WEIGHT: 10.0

CHLORIDES (P.P.M.): 55000

JARS - MAKE:

DID WELL FLOW?

DRILL COLLAR LENGTH: 120 FT

WEIGHT PIPE LENGTH: FT

DRILL PIPE LENGTH: 2801 FT

TEST TOOL LENGTH: 21 FT

ANCHOR LENGTH: 30 FT

SURFACE CHOKE SIZE: 3/4 IN

MAIN HOLE SIZE: 7 7/8 IN

VISCOSITY: 45

WATER LOSS (CC): 11.8

SERIAL NUMBER:

REVERSED OUT?

I.D.: 2.25 IN

I.D.: IN

I.D.: 3.8 IN

TOOL SIZE: 5 1/2 OD IN

SIZE: 5 1/2 OD IN

BOTTOM CHOKE SIZE: 3/4 IN

TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD VERY WEAK SURFACE  
BLOW ONLY THROUGHOUT PERIOD.  
FINAL FLOW PERIOD WEAK 1/2 INCH BLOW  
DECREASING SOMEWHAT DURING LAST 1/2 OF PERIOD.

RECOVERED: 90 FT OF: OIL & GAS CUT MUD  
RECOVERED: FT OF: (30% OIL; 10% GAS; 45% MUD; 15% WATER).  
RECOVERED: FT OF: CHLORIDES 67000 PPM.  
RECOVERED: FT OF:  
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 7:30 PM

WELL TEMPERATURE: 101 'F

INITIAL HYDROSTATIC PRESSURE:

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 60

FINAL CLOSED IN PERIOD MIN: 30

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 10:00 PM

(A) 1613 PSI  
(B) 55 PSI TO (C) 55 PSI  
(D) 195 PSI  
(E) 71 PSI TO (F) 74 PSI  
(G) 180 PSI  
(H) 1574 PSI





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 10306

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

Elevation 1726 KB Formation L/KC Eff. Pay Ft.

District Great Bend Date May 30, 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. John Fuller #2 COUNTY Russell STATE KS Sec 34 Twp 11S Rge 14W
Mail Invoice To Same #2 John Fuller No. Copies Requested 5
Mail Charts To Co. Name Address No. Copies Requested 5

Formation Test No. 2 Interval Tested From 2976 ft. to 2986 ft. Total Depth 2986 ft.
Packer Depth 2971 ft. Size 6 3/8 in. Packer Depth X ft. Size X in.
Packer Depth 2976 ft. Size 6 7/8 in. Packer Depth X ft. Size X in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 2978 ft. Recorder Number 13547 Cap. 4200
Bottom Recorder Depth (Outside) 2982 ft. Recorder Number 13401 Cap. 3950
Below Straddle Recorder Depth Recorder Number Cap.
Drilling Contractor Cotoob Rig #9 Drill Collar Length 120' I. D. 2.2 in.
Mud Type Starch Viscosity 40 Weight Pipe Length I. D.
Weight 9.8 Water Loss 12.4 cc. Drill Pipe Length 2835 I. D. 3.8 in.
Chlorides 44,000 P.P.M. Test Tool Length 21 ft. Tool Size 5/2 in.
Jars: Make Serial Number Anchor Length 10 ft. Size 5/2 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 1 1/4 in.

Blow test - very weak; 1/4" blow, decreasing to a few bubbles at end of period
Flow test - very weak; 3/8" blow, decreasing to only a few bubbles at end of period.
Recovered ft. of
Recovered 20 ft. of OCM - 24% oil - 68% mud - 5% water - 3% gas
Recovered ft. of
Recovered ft. of
Chlorides P.P.M. Sample Jars used 1 Remarks:

Time On Location 5:10 AM P.M. Time Pick Up Tool 6:00 AM P.M. Time Off Location 11:00 AM P.M.
Time Set Packer(s) 7:10 AM P.M. Time Started Off Bottom 9:10 AM P.M. Maximum Temperature 101
Initial Hydrostatic Pressure (A) 1584 P.S.I.
Initial Flow Period Minutes 30 (B) 42 P.S.I. to (C) 42 P.S.I.
Initial Closed In Period Minutes 30 (D) 137 P.S.I.
Final Flow Period Minutes 30 (E) 42 P.S.I. to (F) 42 P.S.I.
Final Closed In Period Minutes 30 (G) 190 P.S.I.
Final Hydrostatic Pressure (H) 1573 P.S.I.

COMPANY TERMS
Western Testing Co., Inc. shall not be held responsible 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: Mike Emmert
Signature of Customer or his authorized representative
Western Representative: Gene Sherhart

FIELD INVOICE table with columns for item and amount. Items include: 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.

Handwritten number 0500

WESTERN TESTING CO., INC.

Pressure Data

Date 5-30  
Recorder No. 13547

Test Ticket No. 10306  
Location \_\_\_\_\_ F

Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>1590</u>	P.S.I.		M
B. First Initial Flow Pressure	<u>40</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Min
C. First Final Flow Pressure	<u>40</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Min
D. Initial Closed-in Pressure	<u>127</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Min
E. Second Initial Flow Pressure	<u>47</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Min
F. Second Final Flow Pressure	<u>47</u>	P.S.I.	<u>30</u> Mins.	<u>36</u> Min
G. Final Closed-in Pressure	<u>191</u>	P.S.I.		
H. Final Hydrostatic Mud	<u>1567</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure  
Breakdown: 7 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

Initial Shut-In  
Breakdown: 11 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Second Flow Pressure  
Breakdown: 7 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

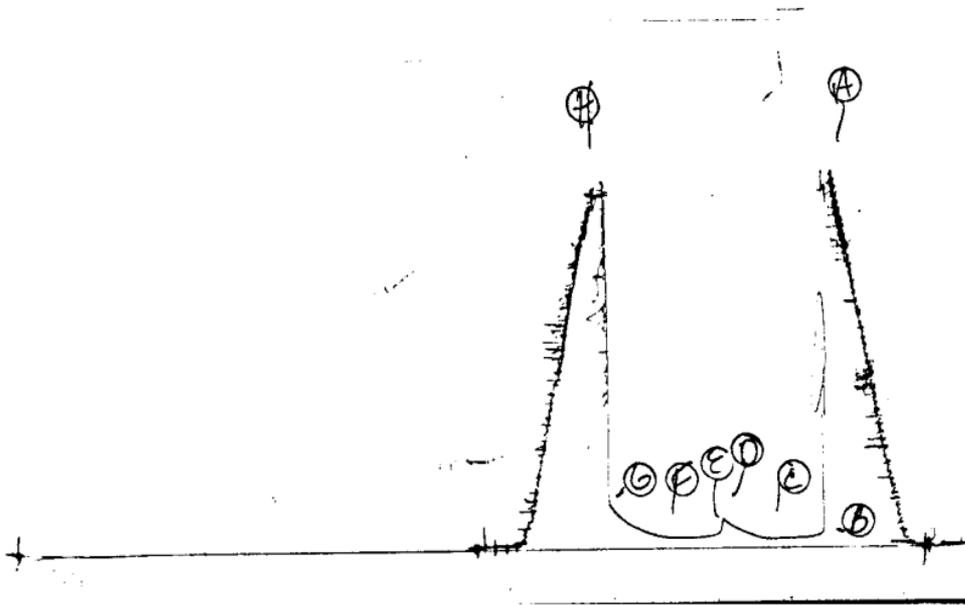
Final Shut-In  
Breakdown: 13 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>40</u>	0	<u>40</u>	0	<u>47</u>	0	<u>47</u>
P 2 5		3	<u>40</u>	5		3	<u>48</u>
P 3 10		6	<u>41</u>	10		6	<u>51</u>
P 4 15		9	<u>46</u>	15		9	<u>55</u>
P 5 20		12	<u>54</u>	20		12	<u>63</u>
P 6 25		15	<u>62</u>	25		15	<u>69</u>
P 7 30	<u>40</u>	18	<u>70</u>	30	<u>47</u>	18	<u>77</u>
P 8 35		21	<u>81</u>	35		21	<u>89</u>
P 9 40		24	<u>92</u>	40		24	<u>99</u>
P10 45		27	<u>107</u>	45		27	<u>112</u>
P11 50		30	<u>127</u>	50		30	<u>131</u>
P12 55		33		55		33	<u>151</u>
P13 60		36		60		36	<u>191</u>
P14 65		39		65		39	
P15 70		42		70		42	
P16 75		45		75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57		95		57	
100		60		100		60	

13547

Plot # 10306

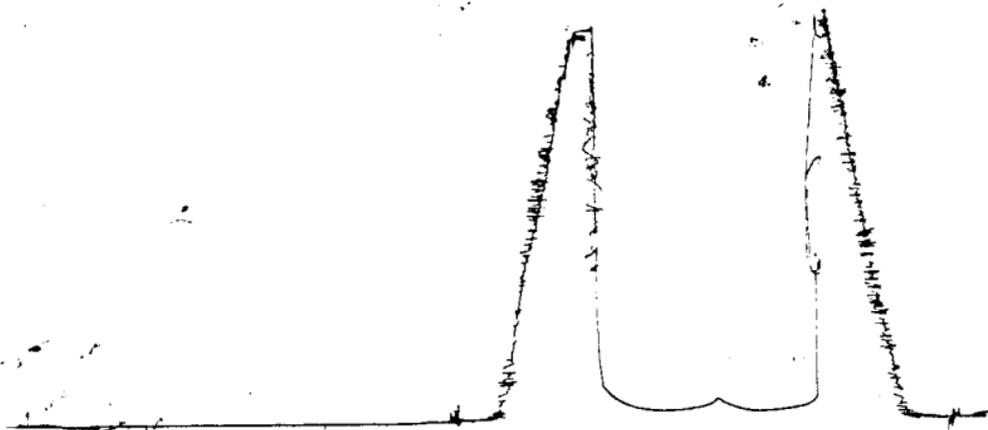
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13401

1/2 # 10306

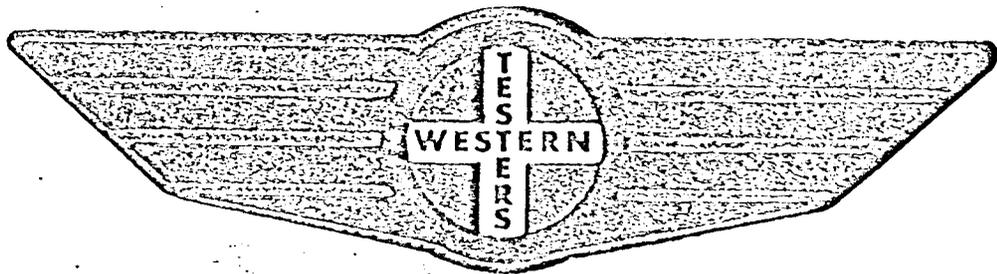
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company ALLAN & WILLIAMSON OIL CO INCREASE & Well No. #2 JOHN FULLER Sec. 34 Twp. 11S Rge. 14W Test No. 2 Date 5/30/85

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE: 5-30-85 TICKET #10306  
 CUSTOMER: RAINS & WILLIAMSON OIL CO INC LEASE: JOHN FULLER  
 WELL: 2 TEST: 2 GEOLOGIST: M. ENGELBRECHT  
 ELEVATION (KB): 1726 FORMATION: LOWER KANSAS CITY  
 SECTION: 34 TOWNSHIP: 11S  
 RANGE: 14W COUNTY: RUSSELL STATE: KANSAS  
 GAUGE SN #13547 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 2976 FT TO: 2986 FT TOTAL DEPTH: 2986 FT  
 DEPTH OF SELECTIVE ZONE: FT  
 PACKER DEPTH: 2971 FT SIZE: 6 5/8 IN PACKER DEPTH: 2976 FT SIZE: 6 5/8 IN  
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: R&W DRLG. RIG #9  
 MUD TYPE: STARCH VISCOSITY: 40  
 WEIGHT: 9.8 WATER LOSS (CC): 12.4  
 CHLORIDES (P.P.M.): 44000  
 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: 2835 FT I.D.: 3.8 IN  
 TEST TOOL LENGTH: 21 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: INITIAL FLOW PERIOD VERY WEAK 1/4" BLOW  
 DECREASING TO A FEW BUBBLES AT END OF PERIOD.  
 FINAL FLOW PERIOD VERY WEAK 3/8" BLOW  
 DECREASING TO ONLY A FEW BUBBLES AT END.

RECOVERED: 30 FT OF: OIL CUT MUD  
 RECOVERED: FT OF: (24% OIL; 69% MUD; 5% WATER; 3% GAS).  
 RECOVERED: FT OF:  
 RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 7:10 AM TIME STARTED OFF BOTTOM: 9:10 AM  
 WELL TEMPERATURE: 101 °F  
 INITIAL HYDROSTATIC PRESSURE: (A) 1590 PSI  
 INITIAL FLOW PERIOD MIN: 30 (B) 40 PSI TO (C) 40 PSI  
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 127 PSI  
 FINAL FLOW PERIOD MIN: 30 (E) 47 PSI TO (F) 47 PSI  
 FINAL CLOSED IN PERIOD MIN: 36 (G) 191 PSI  
 FINAL HYDROSTATIC PRESSURE (H) 1567 PSI

