



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 10888

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

Elevation 1225 KB Formation Miss Eff. Pay Ft.

WICHITA, KANSAS 67201

COMPANY NAME

ADDRESS 240 Page Ct. 280 W. Douglas Wichita, KS 67202

LEASE AND WELL NO. Gillum #2 COUNTY Saline STATE KS Sec. 22 Twp. 15S Rge. 1W

Mail Invoice To #2 Gillum Same No. Copies Requested 1

Mail Charts To Same No. Copies Requested 5

Formation Test No. 1 Interval Tested From 2585 ft. to 2595 ft. Total Depth 2595 ft.

Packer Depth 2580 ft. Size 6.75 in. Packer Depth ft. Size in.

Packer Depth 2585 ft. Size 6.75 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2587 ft. Recorder Number 5666 Cap. 3950

Bottom Recorder Depth (Outside) 2590 ft. Recorder Number 3351 Cap. 3725

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Range #1 Drill Collar Length 170 I. D. 2.25 in.

Mud Type Chem Viscosity 57 Weight Pipe Length I. D. in.

Weight 10.1 Water Loss 120 cc. Drill Pipe Length 2395 I. D. 3.8 in.

Chlorides 1500 P.P.M. Test Tool Length 20 ft. Tool Size 5.5 in.

Jars: Make Serial Number Anchor Length 10 ft. Size 5.5 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size .75 in. Bottom Choke Size .75 in.

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

Blow: Weak thru out

Recovered 180 ft. of Salt Water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides 35,000 P.P.M. Sample Jars used 1 Remarks:

Time On Location 11:15 A.M. Time Pick Up Tool 2:00 A.M. Time Off Location 9:00 A.M.

Time Set Packer(s) 3:15 A.M. Time Started Off Bottom 6:15 A.M. Maximum Temperature 101

Initial Hydrostatic Pressure (A) 1350 P.S.I.

Initial Flow Period Minutes 30 (B) 40 P.S.I. to (C) 60 P.S.I.

Initial Closed In Period Minutes 30 (D) 760 P.S.I.

Final Flow Period Minutes 60 (E) 70 P.S.I. to (F) 120 P.S.I.

Final Closed In Period Minutes 60 (G) 760 P.S.I.

Final Hydrostatic Pressure (H) 1350 P.S.I. #5666

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 Ellen Edgington

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 \$

WESTERN TESTING CO., INC.

Pressure Data

Date 9-28

Test Ticket No. 10888

Recorder No. 5666

Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1375</u>	P.S.I.		
B First Initial Flow Pressure <u>39</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure <u>69</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure <u>761</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure <u>83</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure <u>119</u>	P.S.I.		
G Final Closed-in Pressure <u>765</u>	P.S.I.		
H Final Hydrostatic Mud <u>1357</u>	P.S.I.		

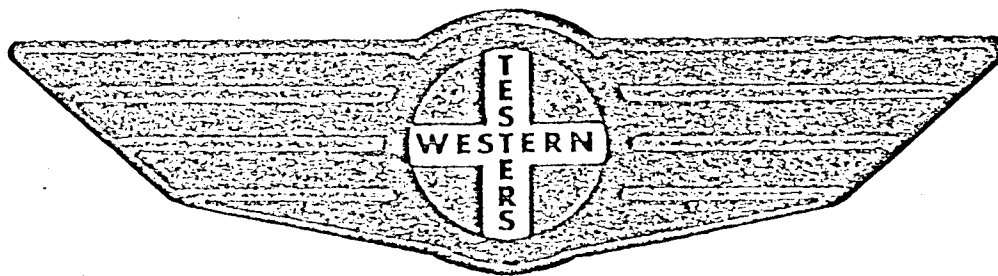
PRESSURE BREAKDOWN

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>21</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>39</u>	0	<u>69</u>	0	<u>83</u>	0	<u>119</u>
P 2 5	<u>41</u>	3	<u>687</u>	5	<u>83</u>	3	<u>661</u>
P 3 10	<u>47</u>	6	<u>717</u>	10	<u>85</u>	6	<u>703</u>
P 4 15	<u>52</u>	9	<u>732</u>	15	<u>89</u>	9	<u>720</u>
P 5 20	<u>59</u>	12	<u>742</u>	20	<u>95</u>	12	<u>731</u>
P 6 25	<u>65</u>	15	<u>750</u>	25	<u>99</u>	15	<u>737</u>
P 7 30	<u>69</u>	18	<u>755</u>	30	<u>105</u>	18	<u>742</u>
P 8 35		21	<u>758</u>	35	<u>109</u>	21	<u>745</u>
P 9 40		24	<u>760</u>	40	<u>112</u>	24	<u>748</u>
P10 45		27	<u>761</u>	45	<u>114</u>	27	<u>751</u>
P11 50		30	<u>761</u>	50	<u>116</u>	30	<u>754</u>
P12 55		33		55	<u>118</u>	33	<u>756</u>
P13 60		36		60	<u>119</u>	36	<u>758</u>
P14 65		39		65		39	<u>759</u>
P15 70		42		70		42	<u>760</u>
P16 75		45		75		45	<u>761</u>
P17 80		48		80		48	<u>762</u>
P18 85		51		85		51	<u>763</u>
P19 90		54		90		54	<u>764</u>
P20 95		57		95		57	<u>765</u>
100		60		100		60	<u>765</u>

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9-28-85
CUSTOMER: RANGE OIL COMPANY INC.
WELL: 2 TEST: 1
ELEVATION (KB): 1225 FORMATION: MISSISSIPPI
SECTION: 22 TOWNSHIP: 15S
RANGE: 1W COUNTY: SALINE STATE: KANSAS
GAUGE SN #5666 RANGE: 3950 CLOCK: 12

TICKET #10888

LEASE: GILLUM

GEOLOGIST: ROBERT OLSEN

FORMATION: MISSISSIPPI

TOWNSHIP: 15S

STATE: KANSAS

CLOCK: 12

INTERVAL TEST FROM: 2585 FT TO: 2595 FT TOTAL DEPTH: 2595 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2580 FT SIZE: 6 3/4 IN PACKER DEPTH: 2585 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE DRLG. RIG #1
MUD TYPE: CHEMICAL VISCOSITY: 57
WEIGHT: 10.1 WATER LOSS (CC): 12.0
CHLORIDES (P.P.M.): 1500

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

DRILL COLLAR LENGTH: 170 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2395 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: 180 FT OF: SALT WATER.
RECOVERED: FT OF: CHLORIDES 35000 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): 3:15 AM

TIME STARTED OFF BOTTOM: 6:15 AM

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: 60

FINAL HYDROSTATIC PRESSURE

(A) 1375 PSI

(B) 39 PSI TO (C) 69 PSI

(D) 761 PSI

(E) 83 PSI TO (F) 119 PSI

(G) 765 PSI

(H) 1357 PSI

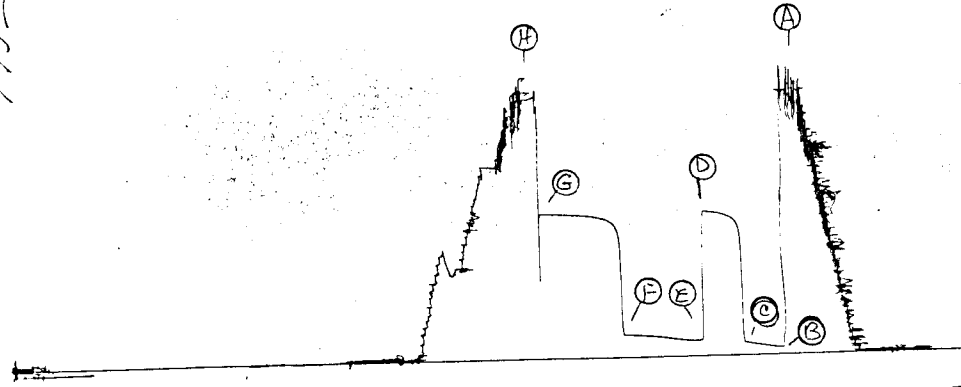
Plot # 10888

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