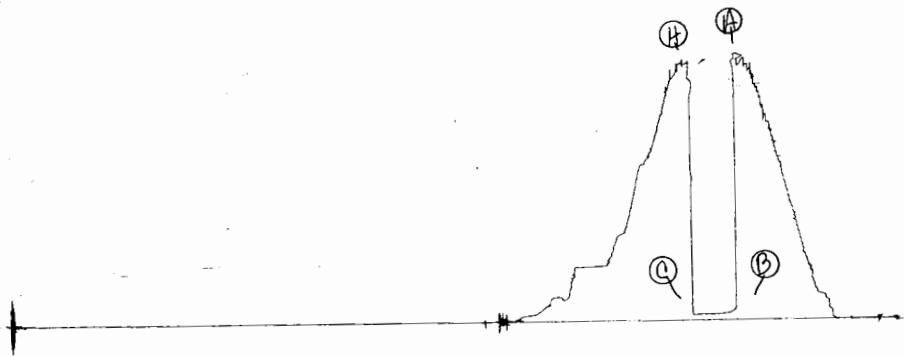


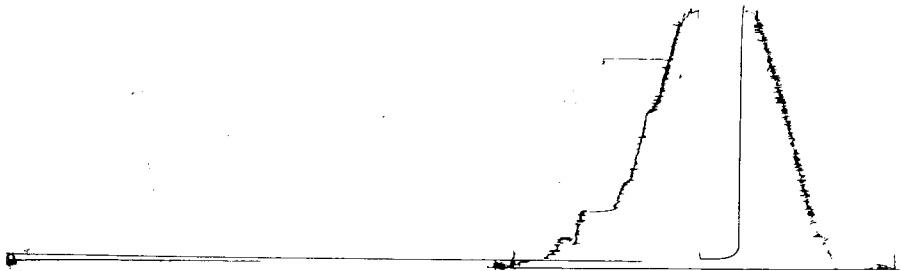
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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 20102

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

Elevation 1493 K.B. Formation LKC Eff. Pay. Ft. LAST TEST

District GREAT BEND Date 10-10-83 Customer Order No.

COMPANY NAME HESS OIL COMPANY

ADDRESS 225 N MARKET SUITE 300 WICHITA KS 67202

LEASE AND WELL NO. OLDENETTE #1 COUNTY RENO STATE KS Sec. 15 Twp. 25S Rge. 4W

Mail Invoice To SAME No. Copies Requested 100

Co. Name Address No. Copies Requested

Mail Charts To #1 Oldenette Address No. Copies Requested 11

Formation Test No. 1 Interval Tested From 3140 ft. to 3180 ft. Total Depth 3180 ft.

Packer Depth 3185 ft. Size 6 5/8 in. Packer Depth 2 ft. Size - in.

Packer Depth 3140 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3148 ft. Recorder Number 11018 Cap. 4425 PSI

Bottom Recorder Depth (Outside) 3177 ft. Recorder Number 13629 Cap. 4425 PSI

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

Drilling Contractor GLAVES DRILLING CO. R#2 Drill Collar Length 360 I. D. 2.8 in.

Mud Type CHEMICAL Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 8.7 Water Loss 12 cc. Drill Pipe Length 29760 I. D. 3.8 in.

Chlorides 10,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make NOT RAN Serial Number - Anchor Length 40 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 XH in.

Blow: 1ST FLOW: WEAK (INTERMITTENT SURFACE FLOW)

2ND FLOW: NOT RAN

Recovered 30 ft. of DRILLING MUD

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

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

Time On Location 2:00 A.M. P.M. Time Pick Up Tool 3:00 A.M. P.M. Time Off Location 8:00 A.M. P.M.

Time Set Packer(s) 4:40 A.M. P.M. Time Started Off Bottom 5:25 A.M. P.M. Maximum Temperature 101

Initial Hydrostatic Pressure (A) 1445 P.S.I.

Initial Flow Period Minutes 30 (B) 20 P.S.I. to (C) 20 P.S.I.

Initial Closed In Period Minutes - (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) 1421 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 [Signature]

FIELD INVOICE

Table with 2 columns: Item Name and Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

WESTERN TESTING CO., INC.
Pressure Data

Date 10-10-93 Test Ticket No. 20102
 Recorder No. _____ Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F _____

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1473</u>	P.S.I.	<u>4:40</u> M	
B First Initial Flow Pressure	<u>58</u>	P.S.I.	<u>30</u> Mins	<u>30</u> Mins
C First Final Flow Pressure	<u>33</u>	P.S.I.		
D Initial Closed-in Pressure	<u>33</u>	P.S.I.		
E Second Initial Flow Pressure	<u>33</u>	P.S.I.		
F Second Final Flow Pressure	<u>33</u>	P.S.I.		
G Final Closed-in Pressure	<u>33</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1447</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1	<u>58</u>	<u>0</u>		<u>0</u>
P 2	<u>42</u>	<u>3</u>		<u>3</u>
P 3	<u>36</u>	<u>6</u>		<u>6</u>
P 4	<u>33</u>	<u>9</u>		<u>9</u>
P 5	<u>33</u>	<u>12</u>		<u>12</u>
P 6	<u>33</u>	<u>15</u>		<u>15</u>
P 7	<u>33</u>	<u>18</u>		<u>18</u>
P 8		<u>21</u>		<u>21</u>
P 9		<u>24</u>		<u>24</u>
P10		<u>27</u>		<u>27</u>
P11		<u>30</u>		<u>30</u>
P12		<u>33</u>		<u>33</u>
P13		<u>36</u>		<u>36</u>
P14		<u>39</u>		<u>39</u>
P15		<u>42</u>		<u>42</u>
P16		<u>45</u>		<u>45</u>
P17		<u>48</u>		<u>48</u>
P18		<u>51</u>		<u>51</u>
P19		<u>54</u>		<u>54</u>
P20		<u>57</u>		<u>57</u>
100		<u>60</u>		<u>60</u>

DST REPORT

GENERAL INFORMATION

DATE : 10/10/93
CUSTOMER : HESS OIL COMPANY
WELL : #1 TEST: 1
ELEVATION: 1493 KB
SECTION : 15
RANGE : 4W COUNTY: RENO
GAUGE SN#: 11018 RANGE : 4425
TICKET : 20102
LEASE : OLDENETTEL
GEOLOGIST: HESS
FORMATION: L KANSAS CITY
TOWNSHIP : 25S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3140.00 ft TO: 3180.00 ft TVD: 3180.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3142.0 ft 3177.0 ft
TEMPERATURE: 101.0
DRILL COLLAR LENGTH: 360.0 ft I.D.: 2.200 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 2760.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 40.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 3135.0 ft SIZE: 6.630 in
PACKER DEPTH: 3140.0 ft SIZE: 6.630 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : GLAVES DRLG RIG 2
MUD TYPE : CHEMICAL VISCOSITY : 40.00 cp
WEIGHT : 8.700 ppg WATER LOSS: 12.000 cc
CHLORIDES : 10000 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - INTERMITTENT
SURFACE BLOW. NO FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME: 0.0000 STB	TOTAL FLOW TIME: 30.0000 min.
GAS VOLUME: 0.0000 SCF	AVERAGE OIL RATE: 0.0000 STB/D
MUD VOLUME: 0.1410 STB	AVERAGE WATER RATE: 0.0000 STB/D
WATER VOLUME: 0.0000 STB	
TOTAL FLUID : 0.1410 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1445.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	20.00	20.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 1421.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1473.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	58.00	33.00
INITIAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 1447.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/10/93	TICKET : 20102
CUSTOMER : HESS OIL COMPANY	LEASE : OLDENETTEL
WELL : #1 TEST: 1	GEOLOGIST: HESS
ELEVATION: 1493 KB	FORMATION: L KANSAS CITY
SECTION : 15	TOWNSHIP : 25S
RANGE : 4W COUNTY: RENO	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	58.00	58.00
5.00	42.00	-16.00
10.00	36.00	-6.00
15.00	33.00	-3.00
20.00	33.00	0.00
25.00	33.00	0.00
30.00	33.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
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FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	0.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
			No Data Entered