



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 19775

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

Elevation 1247 GL Formation SIMPSON Eff. Pay _____ Ft.

District Augusta Date 12-29-93 Customer Order No. _____

COMPANY NAME Eagle Creek Corp

ADDRESS 107 N. Market Suite 509 Wichita KS 67202

LEASE AND WELL NO. Allen 2-15 COUNTY Sumner STATE Ks Sec. 15 Twp. 32 Rge. 2

Mail Invoice To: Same No. Copies Requested _____
Co. Name _____ Address _____

Mail Charts To: Same No. Copies Requested _____
Address _____

Formation Test No. 1 Interval Tested From 4250 ft. to 4287 ft. Total Depth 4287 ft.

Packer Depth 4245 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4250 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4253 ft. Recorder Number 13548 Cap. 4075

Bottom Recorder Depth (Outside) 4287 ft. Recorder Number 4339 Cap. 4300

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

Drilling Contractor GLAUCS Rig 1 Drill Collar Length 451 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 143 Weight Pipe Length _____ I. D. _____ in.

Weight 9.0+ Water Loss 8 cc. Drill Pipe Length 3778 I. D. 3 8 in.

Chlorides 4,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 37 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 7/8 in. Tool Joint Size 4 1/2 XH-FI

Blow: Weak steady 1/2" in bucket

2nd flow - no blow

Recovered 30 ft. of only mvd no shows

Recovered _____ ft. of _____

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

Time On Location 1:15 P.M. Time Pick Up Tool 4:30 P.M. Time Off Location _____ A.M. P.M.

Time Set Packer(s) 6:45 P.M. Time Started Off Bottom 9:15 P.M. Maximum Temperature 113°

Initial Hydrostatic Pressure _____ (A) 2010 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 91 P.S.I. to (C) 50 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 1538 P.S.I.

Final Flow Period _____ Minutes 30 (E) 80 P.S.I. to (F) 60 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 1508 P.S.I.

Final Hydrostatic Pressure _____ (H) 1979 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: Stuart Storer

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	\$ _____

Thanks!

WESTERN TESTING CO., INC.

Pressure Data

Date 12-29-93 Test Ticket No. 19775
 Recorder No. 4339 (READ OUTSIDE) Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

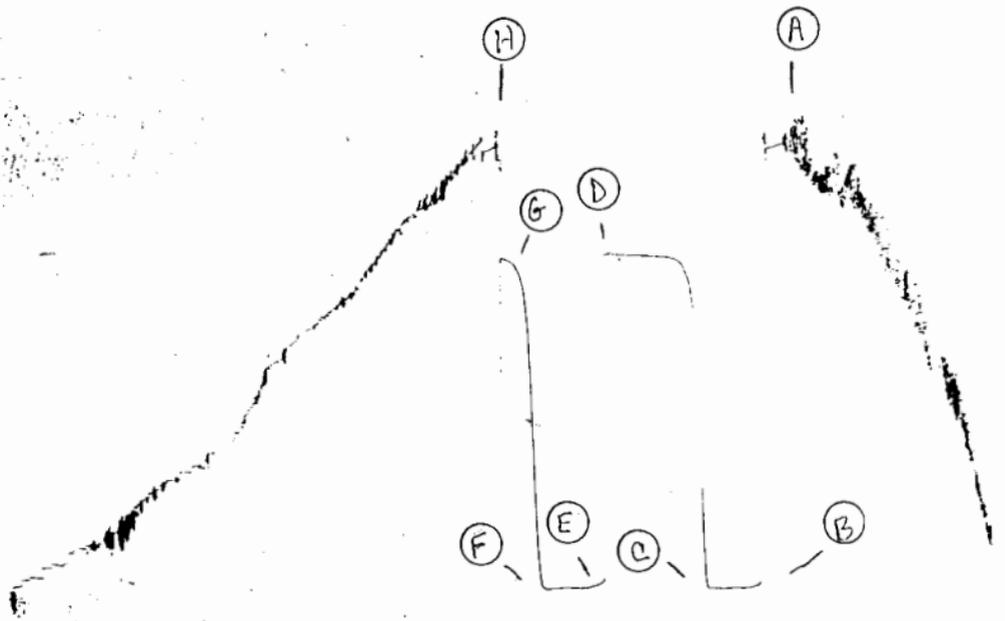
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2040</u> P.S.I.		M
B First Initial Flow Pressure	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	P.S.I.	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	P.S.I.	<u>30</u> Mins.	<u>35</u> Mins.
E Second Initial Flow Pressure	P.S.I.	<u>30</u> Mins.	<u>24</u> Mins.
F Second Final Flow Pressure	P.S.I.		
G Final Closed-in Pressure	P.S.I.		
H Final Hydrostatic Mud	<u>2004</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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>89</u>	0	<u>60</u>	0	<u>91</u>	0	<u>52</u>
P 2 5	<u>66</u>	3	<u>381</u>	5	<u>69</u>	3	<u>365</u>
P 3 10	<u>62</u>	6	<u>859</u>	10	<u>58</u>	6	<u>864</u>
P 4 15	<u>60</u>	9	<u>1189</u>	15	<u>58</u> OK	9	<u>1169</u>
P 5 20		12	<u>1396</u>	20	<u>58</u>	12	<u>1390</u>
P 6 25		15	<u>1476</u>	25	<u>56</u>	15	<u>1470</u>
P 7 30	<u>60</u>	18	<u>1516</u>	30	<u>52</u>	18	<u>1509</u>
P 8 35		21	<u>1536</u>	35	<u>52</u>	21	<u>1525</u>
P 9 40		24	<u>1542</u>	40		24	<u>1535</u>
P10 45		27	<u>1544</u>	45		27	
P11 50		30	<u>1546</u>	50		30	
P12 55		33	<u>1548</u>	55		33	
P13 60		36	<u>1549</u>	60		36	
P14 65		39	<u>1550</u>	65		39	
P15 70		42	<u>1551</u>	70		42	
P16 75		45	<u>1552</u>	75		45	
P17 80		48	<u>1553</u>	80		48	
P18 85		51	<u>1554</u>	85		51	
P19 90		54	<u>1555</u>	90		54	
P20 95		57	<u>1556</u>	95		57	
100		60	<u>1556</u>	100		60	
		<u>63</u>	<u>1556</u>				

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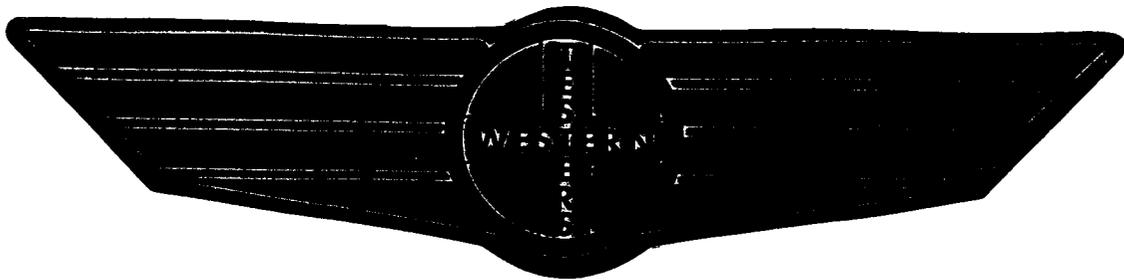
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 12/29/93	TICKET : 19775
CUSTOMER : EAGLE CREEK CORPORATION	LEASE : ALLEN
WELL : #2-15 TEST: 1	GEOLOGIST: CALLEWAERT
ELEVATION: 1247 GL	FORMATION: SIMPSON
SECTION : 15	TOWNSHIP : 32S
RANGE : 2W COUNTY: SUMNER	STATE : KS
GAUGE SN#: 4339 RANGE : 4300	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4250.00 ft	TO: 4287.00 ft	TVD: 4287.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 4253.0 ft	4287.0 ft	
TEMPERATURE: 113.0		

DRILL COLLAR LENGTH: 451.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3778.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 21.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 37.0 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-FH
PACKER DEPTH: 4245.0 ft	SIZE:	6.750 in
PACKER DEPTH: 4250.0 ft	SIZE:	6.750 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : GLAVES RIG 1	
MUD TYPE : CHEMICAL	VISCOSITY : 43.00 cp
WEIGHT : 9.000 ppg	WATER LOSS: 8.000 cc
CHLORIDES : 4000 ppm	
JARS-MAKE :	SERIAL NUMBER:
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK STEADY BLOW - 1/2 INCH
IN BUCKET. FINAL FLOW PERIOD NO BLOW.

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 - NO SHOWS

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	65.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.1475 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.1475 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2010.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	91.00	50.00
INITIAL SHUT-IN	60.00		1538.00
FINAL FLOW	30.00	80.00	60.00
FINAL SHUT-IN	30.00		1508.00

FINAL HYDROSTATIC PRESSURE: 1979.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2040.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	89.00	60.00
INITIAL SHUT-IN	63.00		1556.00
FINAL FLOW	35.00	91.00	52.00
FINAL SHUT-IN	24.00		1535.00

FINAL HYDROSTATIC PRESSURE: 2004.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12/29/93	TICKET : 19775
CUSTOMER : EAGLE CREEK CORPORATION	LEASE : ALLEN
WELL : #2-15 TEST: 1	GEOLOGIST: CALLEWAERT
ELEVATION: 1247 GL	FORMATION: SIMPSON
SECTION : 15	TOWNSHIP : 32S
RANGE : 2W COUNTY: SUMNER	STATE : KS
GAUGE SN#: 4339 RANGE : 4300	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	89.00	89.00
5.00	66.00	-23.00
10.00	62.00	-4.00
15.00	60.00	-2.00
20.00	60.00	0.00
25.00	60.00	0.00
30.00	60.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	381.00	381.00	0.00
6.00	859.00	478.00	0.00
9.00	1189.00	330.00	0.00
12.00	1396.00	207.00	0.00
15.00	1476.00	80.00	0.00
18.00	1516.00	40.00	0.00
21.00	1536.00	20.00	0.00
24.00	1542.00	6.00	0.00
27.00	1544.00	2.00	0.00
30.00	1546.00	2.00	0.00
33.00	1548.00	2.00	0.00
36.00	1549.00	1.00	0.00
39.00	1550.00	1.00	0.00
42.00	1551.00	1.00	0.00
45.00	1552.00	1.00	0.00
48.00	1553.00	1.00	0.00
51.00	1554.00	1.00	0.00
54.00	1555.00	1.00	0.00
57.00	1556.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1556.00	0.00	0.00
63.00	1556.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	91.00	91.00
5.00	69.00	-22.00
10.00	58.00	-11.00
15.00	58.00	0.00
20.00	58.00	0.00
25.00	56.00	-2.00
30.00	52.00	-4.00
35.00	52.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	365.00	365.00	0.00
6.00	864.00	499.00	0.00
9.00	1169.00	305.00	0.00
12.00	1390.00	221.00	0.00
15.00	1470.00	80.00	0.00
18.00	1509.00	39.00	0.00
21.00	1525.00	16.00	0.00
24.00	1535.00	10.00	0.00