

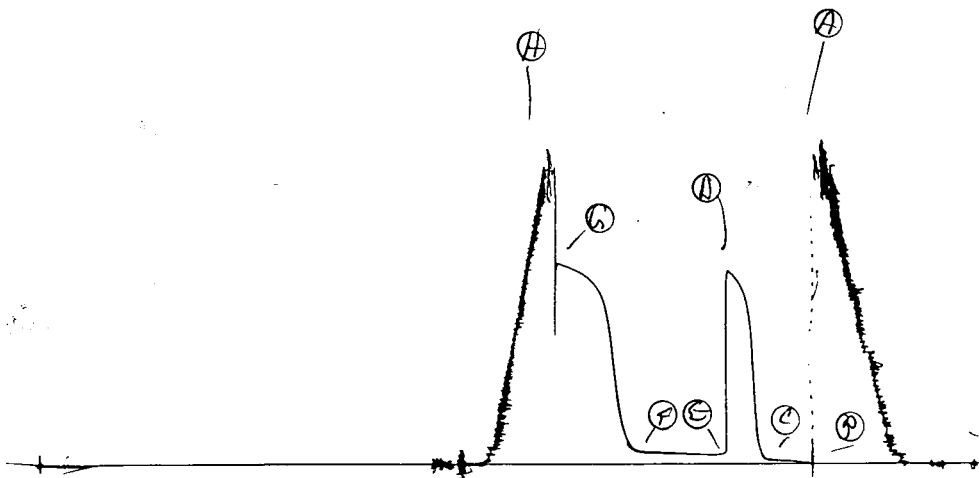
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SKT 18092

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No. 18692

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

Elevation 1252 KB Formation KC Eff. Pay _____ Ft.

District Augusta Date 5-11-93 Customer Order No. _____

COMPANY NAME Eagle Creek Corporation

ADDRESS 107 N. Market Suite 509 Wichita KS 67202

LEASE AND WELL NO. De Jarnett #15 COUNTY Sumner STATE KS Sec. 15 Twp. 32 Rge. 2W

Mail Invoice To Jane Co. Name _____ Address _____ No. Copies Requested 1

Mail Charts To Jane #1-15 Allen Address _____ No. Copies Requested 5

Formation Test No. 15T #1 Interval Tested From 3395 ft. to 3410 ft. Total Depth 3410 ft.

Packer Depth 3390 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3395 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3404 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 3407 ft. Recorder Number 3354 Cap. 4100

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

Drilling Contractor Pickell Rig Drill Collar Length 180 I. D. 2.25 in.

Mud Type Chen Viscosity 45 Weight Pipe Length _____ I. D. _____ in.

Weight 8.8 Water Loss 8.0 cc. Drill Pipe Length 3195 I. D. 3.8 in.

Chlorides 1500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/200 in.

Jars: Make _____ Serial Number _____ Anchor Length 15 ft. Size 5 1/200 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 H in.

Blow: Work blow 14 in into bucket throw-out test (TPO) (FF)

Recovered 60 ft. of Oil cut mud with 1% Oil 99% mud

Recovered 40 ft. of Silt water

Recovered 20 ft. of gas in pipe

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 27,000 P.P.M. Sample Jars used 2 Remarks: _____

MAY 17 1993

Time On Location 4:00 A.M. Time Pick Up Tool 8:30 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 9:30 A.M. Time Started Off Bottom 12:30 A.M. Maximum Temperature 112°R

Initial Hydrostatic Pressure _____ (A) 1575 P.S.I.

Initial Flow Period _____ Minutes (B) 10 P.S.I. to (C) 20 P.S.I.

Initial Closed In Period _____ Minutes (D) 1040 P.S.I.

Final Flow Period _____ Minutes (E) 50 P.S.I. to (F) 75 P.S.I.

Final Closed In Period _____ Minutes (G) 1080 P.S.I.

Final Hydrostatic Pressure _____ (H) 1565 P.S.I.

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 \$ _____

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]

WESTERN TESTING CO., INC.

Pressure Data

Date 5-11-93 Test Ticket No. 18692
 Recorder No. 10979 Capacity _____ Location _____
 Clock No. _____ Elevation _____ Well Temperature _____

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1585</u>	P.S.I.	Open Tool	M
B First Initial Flow Pressure	<u>10</u>	P.S.I.	First Flow Pressure	Mins <u>20</u> Mi
C First Final Flow Pressure	<u>29</u>	P.S.I.	Initial Closed-in Pressure	Mins <u>26</u> Mi
D Initial Closed-in Pressure	<u>1059</u>	P.S.I.	Second Flow Pressure	Mins <u>40</u> Mi
E Second Initial Flow Pressure	<u>58</u>	P.S.I.	Final Closed-in Pressure	Mins <u>43</u> Mi
F Second Final Flow Pressure	<u>25</u>	P.S.I.		
G Final Closed-in Pressure	<u>1096</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1585</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>10</u>	0	<u>29</u>	0	<u>58</u>	0	<u>25</u>
P 2 5	<u>13</u>	3	<u>30</u>	5	<u>2</u>	3	<u>80</u>
P 3 10	<u>16</u>	6 <u>40</u>	<u>31</u>	10	<u>2</u>	6	<u>90</u>
P 4 15	<u>20</u>	9	<u>32</u>	15	<u>58</u>	9	<u>112</u>
P 5 20	<u>24</u>	12	<u>33</u>	20 <u>59</u>	<u>61</u>	12	<u>160</u>
P 6 25	<u>27</u>	15	<u>528</u>	25	<u>65</u>	15	<u>220</u>
P 7 30	<u>29</u>	18	<u>761</u>	30	<u>65</u>	18	<u>320</u>
P 8 35		21	<u>886</u>	35	<u>67</u>	21	<u>490</u>
P 9 40		24	<u>952</u>	40	<u>69</u>	24	<u>677</u>
P10 45		27	<u>993</u>	45	<u>71</u>	27	<u>824</u>
P11 50		30	<u>1022</u>	50	<u>73</u>	30	<u>909</u>
P12 55		33	<u>1043</u>	55	<u>75</u>	33	<u>952</u>
P13 60		36	<u>1059</u>	60		36	<u>988</u>
P14 65		39		65		39	<u>1011</u>
P15 70		42		70		42	<u>1028</u>
P16 75		45		75		45	<u>1042</u>
P17 80		48		80		48	<u>1054</u>
P18 85		51		85		51	<u>1064</u>
P19 90		54		90		54	<u>1075</u>
P20 95		57		95		57	<u>1084</u>
100		60		100		60	<u>1090</u>
						<u>62</u>	<u>1096</u>

DST REPORT

GENERAL INFORMATION

DATE : 5/11/93
CUSTOMER : EAGLE CREEK CORPORATION
WELL : #1-15 TEST: 1
ELEVATION: 1252 K.B.
SECTION : 15
RANGE : 2W COUNTY: SUMNER
GAUGE SN#: 10979 RANGE : 4100

TICKET : 18692
LEASE : ALLEN
GEOLOGIST: DAVE CALLEWAERT
FORMATION: SIMPSON
TOWNSHIP : 32S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3395.00 ft TO: 3410.00 ft TVD: 3410.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3404.0 ft 3407.0 ft
TEMPERATURE: 112.0

DRILL COLLAR LENGTH:	180.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3195.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	15.0 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:	3390.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3395.0 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. : PICKRELL #1
MUD TYPE : CHEMICAL
WEIGHT : 8.800 ppg
CHLORIDES : 1500 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 45.00 cp
WATER LOSS: 8.000 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

WEAK BLOW - 1/4 INCHES INTO BUCKET - THROUGHOUT
TEST.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	1.0	0.0	0.0	99.0	OIL CUT MUD
40.0	0.0	0.0	100.0	0.0	SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 27000 PPM
0.0	0.0	0.0	0.0	0.0	20 FT GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.0030	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	4.7208	STB/D
MUD VOLUME:	0.2921	STB	AVERAGE WATER RATE:	3.1472	STB/D
WATER VOLUME:	0.1967	STB			
TOTAL FLUID :	0.4917	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1575.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	10.00	20.00
INITIAL SHUT-IN	30.00		1040.00
FINAL FLOW	60.00	50.00	75.00
FINAL SHUT-IN	60.00		1080.00

FINAL HYDROSTATIC PRESSURE: 1565.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1585.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	10.00	29.00
INITIAL SHUT-IN	36.00		1059.00
FINAL FLOW	60.00	58.00	75.00
FINAL SHUT-IN	63.00		1096.00

FINAL HYDROSTATIC PRESSURE: 1585.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5/11/93	TICKET : 18692
CUSTOMER : EAGLE CREEK CORPORATION	LEASE : ALLEN
WELL : #1-15 TEST: 1	GEOLOGIST: DAVE CALLEWAERT
ELEVATION: 1252 K.B.	FORMATION: SIMPSON
SECTION : 15	TOWNSHIP : 32S
RANGE : 2W	STATE : KS
GAUGE SN#: 10979	CLOCK : 12
COUNTY: SUMNER	
RANGE : 4100	

INITIAL FLOW

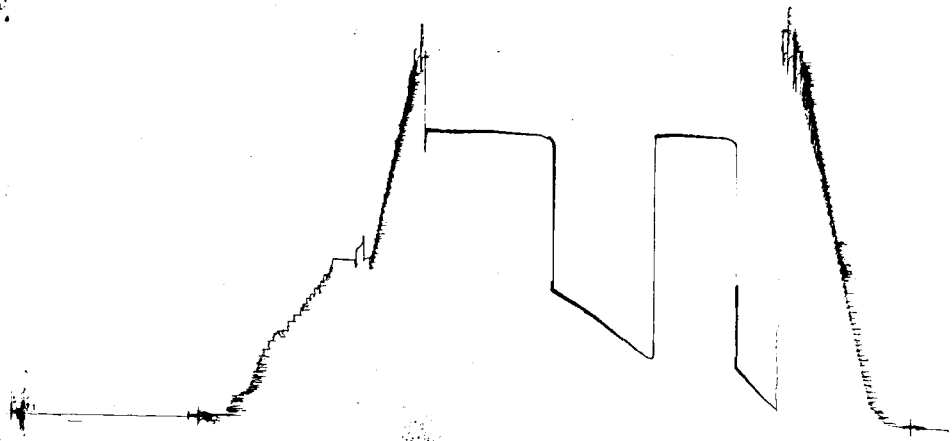
Time (min)	Pressure	Delta P
0.00	10.00	10.00
5.00	13.00	3.00
10.00	16.00	3.00
15.00	20.00	4.00
20.00	24.00	4.00
25.00	27.00	3.00
30.00	29.00	2.00

INITIAL SHUT IN

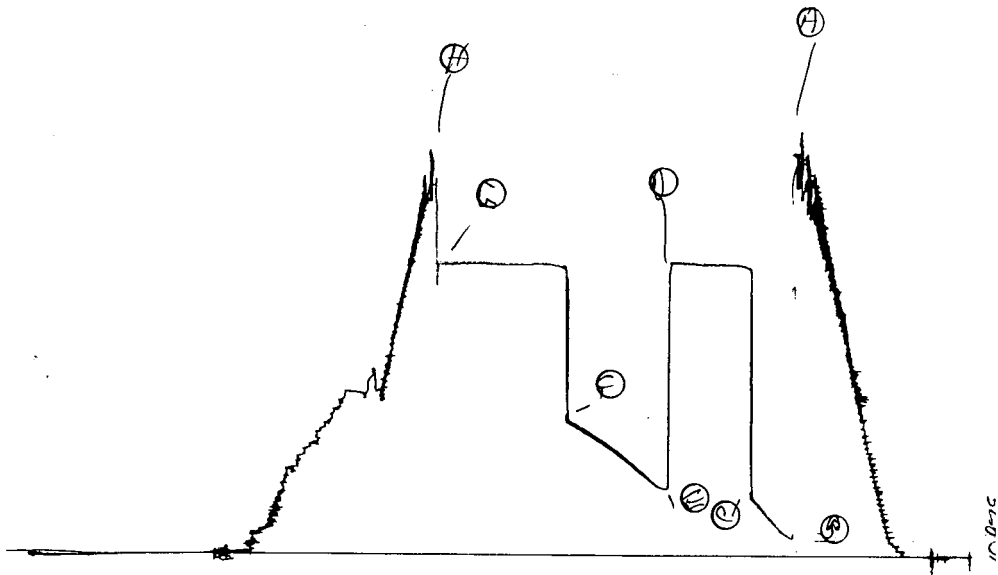
Time (min)	Pressure	Delta P	Horner T
3.00	30.00	30.00	6.00
6.00	40.00	10.00	3.50
9.00	92.00	52.00	2.67
12.00	232.00	140.00	2.25
15.00	528.00	296.00	2.00
18.00	761.00	233.00	1.83
21.00	886.00	125.00	1.71
24.00	951.00	65.00	1.63
27.00	993.00	42.00	1.56
30.00	1022.00	29.00	1.50
33.00	1043.00	21.00	0.00
36.00	1059.00	16.00	0.00

JKF 18693

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Kit 18693





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

Nº 18693

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

Elevation 1252 KB Formation Simp Eff. Pay _____ Ft.

District Augusta Date 5-14-93 Customer Order No. _____

COMPANY NAME Eagle Creek Corporation

ADDRESS 107 N Market Suite 509 Wichita KS 67202

LEASE AND WELL NO. Allen #1-15 COUNTY Sumner STATE KS Sec. 15 Twp. 32 Rge. 24

Mail Invoice To John Co. Name #1-15 Allen Address _____ No. Copies Requested 1

Mail Charts To John Address _____ No. Copies Requested 5

Formation Test No. AST #2 Interval Tested From 4250 ft. to 4274 ft. Total Depth 4274 ft.

Packer Depth 4245 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4250 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4268 ft. Recorder Number 10979 Cap. 4100

Bottom Recorder Depth (Outside) 4271 ft. Recorder Number 3354 Cap. 4100

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

Drilling Contractor Pickill Rig 1 Drill Collar Length 180 I. D. 2.25 in.

Mud Type Chem Viscosity 56 Weight Pipe Length _____ I. D. _____ in.

Weight 8.9 Water Loss 8.0 cc. Drill Pipe Length 4050 I. D. 3.8 in.

Chlorides 2500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 24 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 x 4 in.

Blow: Very strong blow bottom of bucket in 1 min on (FP) got to surface on (ISP)

Recovered 2129 ft. of gas in pipe

Recovered 868 ft. of free oil

Recovered 310 ft. of heavy oil cut mud 15% sss 20% oil 65% mud

Recovered 30 ft. of heavy oil cut salt water 50% water 50% gas 40% oil

Recovered 868 ft. of salt water Chlorides 73000

Chlorides _____ P.P.M. Sample Jars used 3 Remarks: _____

MAY 17 1993

Time On Location 12:01 A.M. Time Pick Up Tool 5:00 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 6:30 A.M. Time Started Off Bottom 10:45 A.M. Maximum Temperature 138°F

Initial Hydrostatic Pressure _____ (A) 2140 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 75 P.S.I. to (C) 280 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 1575 P.S.I.

Final Flow Period _____ Minutes 75 (E) 345 P.S.I. to (F) 710 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 1525 P.S.I.

Final Hydrostatic Pressure _____ (H) 2130 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] Signature of Customer or his authorized representative

Western Representative [Signature]

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 \$ _____

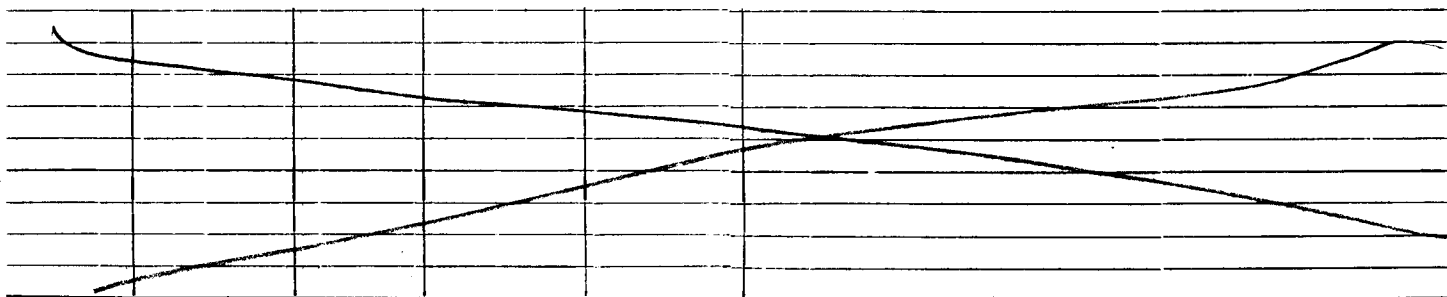
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GAS FLOW REPORT

Date 5-14-93 Ticket 18693 Company Eagle Creek Corp
 Well Name and No. Allen #1-15 Dst No. DST #2 Interval Tested 4250-74
 County Sumner State KS Sec. 15 Twp. 32 Rg. 2W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
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PRE FLOW



SECOND FLOW

5	3/8	10 H ₂ O	11,300
10	3/8	10	11,300
20	1/2	12	21,900
30	1/2	8	17,200
40	1/2	9	18,800
50	1/2	6	15,400
60	1/2	5	14,100
70	1/2	5.5	14,700
75	1/2	5.0	14,100

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 5-14-92

Test Ticket No. 18625

Recorder No. 10979

Capacity _____ Location _____

Clock No. _____ Elevation _____ Well Temperature _____

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2149</u> P.S.I.			M
B First Initial Flow Pressure	<u>94</u> P.S.I.	First Flow Pressure	Mins. <u>10</u>	Mi
C First Final Flow Pressure	<u>215</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>60</u>	Mi
D Initial Closed-in Pressure	<u>1586</u> P.S.I.	Second Flow Pressure	Mins. <u>25</u>	Mi
E Second Initial Flow Pressure	<u>220</u> P.S.I.	Final Closed-in Pressure	Mins. <u>99</u>	Mi
F Second Final Flow Pressure	<u>224</u> P.S.I.			
G Final Closed-in Pressure	<u>1582</u> P.S.I.			
H Final Hydrostatic Mud	<u>2022</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>94</u>	0	<u>315</u>	0	<u>220</u>	0	<u>224</u>
P 2 5	<u>114</u>	3	<u>1527</u>	5	<u>222</u>	3	<u>1529</u>
P 3 10	<u>144</u>	6	<u>1558</u>	10	<u>397</u>	6	<u>1560</u>
P 4 15	<u>186</u>	9	<u>1565</u>	15	<u>431</u>	9	<u>1564</u>
P 5 20	<u>227</u>	12	<u>1570</u>	20	<u>462</u>	12	<u>1568</u>
P 6 25	<u>222</u>	15	<u>1572</u>	25	<u>497</u>	15	<u>1572</u>
P 7 30	<u>315</u>	18	<u>1523</u>	30	<u>527</u>	18	<u>1574</u>
P 8 35		21	<u>1522</u>	35	<u>559</u>	21	<u>1575</u>
P 9 40		24	<u>1524</u>	40	<u>585</u>	24	<u>1575</u>
P10 45		27	<u>1574</u>	45	<u>611</u>	27	<u>1576</u>
P11 50		30	<u>1574</u>	50	<u>634</u>	30	<u>1576</u>
P12 55		33	<u>1575</u>	55	<u>659</u>	33	
P13 60		36	<u>1575</u>	60	<u>682</u>	36	
P14 65		39	<u>1576</u>	65	<u>701</u>	39	
P15 70		42	<u>1577</u>	70	<u>723</u>	42	
P16 75		45	<u>1578</u>	75	<u>724</u>	45	<u>1576</u>
P17 80		48	<u>1579</u>	80		48	<u>1577</u>
P18 85		51	<u>1580</u>	85		51	<u>1577</u>
P19 90		54	<u>1582</u>	90		54	<u>1578</u>
P19 95		57	<u>1584</u>	95		57	<u>1578</u>
P20 100		60	<u>1586</u>	100		60	<u>1579</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticker No. 18692

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool _____	M _____	
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure _____	Mins. _____	Mins. _____
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure _____	Mins. _____	Mins. _____
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure _____	Mins. _____	Mins. _____
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure _____	Mins. _____	Mins. _____
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud _____	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 _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1579
P 2 110		66		110		66	1580
P 3 115		69		115		69	1581
P 4 120		72		120		72	1582
P 5 125		75		125		75	1583
P 6 130		78		130		78	
P 7 135		81		135		81	
P 8 140		84		140		84	
P 9 145		87		145		87	
P10 150		90		150		90	1584
P11 155		93		155		93	5
P12 160		96		160		96	
P13 165		99		165		99	1585
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

DST REPORT

GENERAL INFORMATION

DATE	: 5-14-93	TICKET	: 18693
CUSTOMER	: EAGLE CREEK CORPORATION	LEASE	: ALLEN
WELL	: #1-15	TEST: 2	GEOLOGIST: DAVE CALLEWAERT
ELEVATION	: 1252 K.B.	FORMATION	: SIMPSON
SECTION	: 15	TOWNSHIP	: 32S
RANGE	: 2W	STATE	: KS
GAUGE SN#	: 10979	RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4250.00 ft	TO:	4274.00 ft	TVD:	4274.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	4268.0 ft		4271.0 ft		
TEMPERATURE:	138.0				
DRILL COLLAR LENGTH:	180.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4050.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	24.0 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:	4245.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4250.0 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. :	PICKRELL #1	VISCOSITY :	56.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.000 cc
WEIGHT :	8.900 ppg		
CHLORIDES :	2500 ppm	SERIAL NUMBER:	
JARS-MAKE :		REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

VERY STRONG BLOW OFF BOTTOM OF BUCKET IN 1 MIN.
ON INITIAL FLOW PERIOD. GAS TO SRUFACE . SEE
ATTACHED SHEET FOR GAS MEASUREMENTS.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	2129' GAS ABOVE FLUID.
868.0	100.0	0.0	0.0	0.0	FREE OIL
310.0	20.0	15.0	0.0	65.0	GASSY OIL CUT MUD
30.0	40.0	10.0	50.0	0.0	GASSY OIL C/SALT WATER
868.0	0.0	0.0	100.0	0.0	SALT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 73000 PPM

RATE INFORMATION

OIL VOLUME: 13.2128 STB
 GAS VOLUME: 3.8985 SCF
 MUD VOLUME: 2.8263 STB
 WATER VOLUME: 10.7457 STB
 TOTAL FLUID : 26.7848 STB

TOTAL FLOW TIME: 105.0000 min.
 AVERAGE OIL RATE: 219.9653 STB/D
 AVERAGE WATER RATE: 147.3692 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2140.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	75.00	280.00
INITIAL SHUT-IN	60.00		1575.00
FINAL FLOW	75.00	345.00	710.00
FINAL SHUT-IN	90.00		1575.00

FINAL HYDROSTATIC PRESSURE: 2130.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2149.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	94.00	315.00
INITIAL SHUT-IN	60.00		1586.00
FINAL FLOW	75.00	370.00	734.00
FINAL SHUT-IN	99.00		1583.00

FINAL HYDROSTATIC PRESSURE: 2022.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 5-14-93	TICKET : 18693
CUSTOMER : EAGLE CREEK CORPORATION	LEASE : ALLEN
WELL : #1-15 TEST: 2	GEOLOGIST: DAVE CALLEWAERT
ELEVATION: 1252 K.B.	FORMATION: SIMPSON
SECTION : 15	TOWNSHIP : 32S
RANGE : 2W COUNTY: SUMNER	STATE : KS
GAUGE SN#: 10979 RANGE : 4100	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
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SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
05 MIN.	MERLA	0.380	10" OF WTR	11300 SCF/D
10 MIN.	MERLA	0.380	10" OF WTR	11300 SCF/D
20 MIN.	MERLA	0.500	12" OF WTR.	21900 SCF/D
30 MIN.	MERLA	0.500	8" OF WTR.	17200 SCF/D
40 MIN.	MERLA	0.500	9" OF WTR	18800 SCF/D
50 MIN.	MERLA	0.500	6" OF WTR.	15400 SCF/D
60 MIN.	MERLA	0.500	5" OF WTR.	14100 SCF/D
70 MIN.	MERLA	0.500	5.5" OF WTR	14700 SCF/D
75 MIN.	MERLA	0.500	5.0" OF WTR	14100 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 5-14-93	TICKET : 18693
CUSTOMER : EAGLE CREEK CORPORATION	LEASE : ALLEN
WELL : #1-15 TEST: 2	GEOLOGIST: DAVE CALLEWAERT
ELEVATION: 1252 K.B.	FORMATION: SIMPSON
SECTION : 15	TOWNSHIP : 32S
RANGE : 2W COUNTY: SUMNER	STATE : KS
GAUGE SN#: 10979 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	94.00	94.00
5.00	114.00	20.00
10.00	144.00	30.00
15.00	186.00	42.00
20.00	227.00	41.00
25.00	272.00	45.00
30.00	315.00	43.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1537.00	1537.00	6.00
6.00	1558.00	21.00	3.50
9.00	1565.00	7.00	2.67
12.00	1570.00	5.00	2.25
15.00	1572.00	2.00	2.00
18.00	1573.00	1.00	1.83
21.00	1573.00	0.00	1.71
24.00	1574.00	1.00	1.63
27.00	1574.00	0.00	1.56
30.00	1574.00	0.00	1.50
33.00	1575.00	1.00	0.00
36.00	1575.00	0.00	0.00
39.00	1576.00	1.00	0.00
42.00	1577.00	1.00	0.00
45.00	1578.00	1.00	0.00
48.00	1579.00	1.00	0.00
51.00	1580.00	1.00	0.00
54.00	1582.00	2.00	0.00
57.00	1584.00	2.00	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	1586.00	2.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	370.00	370.00
5.00	373.00	3.00
10.00	397.00	24.00
15.00	431.00	34.00
20.00	462.00	31.00
25.00	497.00	35.00
30.00	527.00	30.00
35.00	559.00	32.00
40.00	585.00	26.00
45.00	611.00	26.00
50.00	634.00	23.00
55.00	659.00	25.00
60.00	682.00	23.00
65.00	701.00	19.00
70.00	723.00	22.00
75.00	734.00	11.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1539.00	1539.00	39.33
6.00	1560.00	21.00	20.17
9.00	1564.00	4.00	13.78
12.00	1568.00	4.00	10.58
15.00	1572.00	4.00	8.67
18.00	1574.00	2.00	7.39
21.00	1575.00	1.00	6.48
24.00	1575.00	0.00	5.79
27.00	1576.00	1.00	5.26
30.00	1576.00	0.00	4.83
33.00	1576.00	0.00	4.48
36.00	1576.00	0.00	4.19
39.00	1576.00	0.00	3.95

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
42.00	1576.00	0.00	3.74
45.00	1576.00	0.00	3.56
48.00	1577.00	1.00	3.40
51.00	1577.00	0.00	3.25
54.00	1578.00	1.00	3.13
57.00	1578.00	0.00	3.02
60.00	1579.00	1.00	2.92
63.00	1579.00	0.00	2.83
66.00	1580.00	1.00	2.74
69.00	1581.00	1.00	2.67
72.00	1582.00	1.00	2.60
75.00	1583.00	1.00	2.53
78.00	1583.00	0.00	2.47
81.00	1583.00	0.00	2.42
84.00	1583.00	0.00	2.37
87.00	1583.00	0.00	2.32
90.00	1583.00	0.00	2.28
93.00	1583.00	0.00	2.24
96.00	1583.00	0.00	2.20
99.00	1583.00	0.00	2.16