

ORIGINAL

EAGLE CREEK CORPORATION

DST REPORT FOR KCC

VERNON ROSS #1-2

API # 15-119-20,869

C NW SE SECTION 2, TOWNSHIP 35S, RANGE 28W

MEADE COUNTY, KANSAS

OPERATOR: Eagle Creek Corporation

ELEVATION: GL 2343' KB 2348'

DST #1, 3021'-3036', "A" ZONE, 30-45 30-45, RECOVERED 20'
MUD, SIP 130-257, IFP 23-23, FFP 35-32, TEMP 102°

DST #2, 3038'-3075' "C" ZONE, 30-45 60-90, STRONG BLOW OFF
BOTTOM OF BUCKET THROUGH OUT BOTH FLOW PERIODS, RECOVERED
90' MUD.

DST #3, 3215'-3244', 30-45 60-90, WEAK BLOW BUILT TO BOTTOM
BUCKET 7 MIN. ON IFP, STRONG BLOW OFF BOTTOM OF BUCKET IN 3
MIN. ON FFP GAS TO SURFACE 5 MIN. INTO FFP, GAGED GAS:

<u>MINUTES</u>	<u>MCFGPD</u>	<u>MINUTES</u>	<u>MCFGPD</u>
10	16.7	40	22.8
20	21.9	50	25.1
30	22.8	60	24.5

RECOVERED 100' MUD, IFP 37-46, FFP 49-58, SIP 1019-1021 TEMP
104°

RECEIVED
STATE CORPORATION COMMISSION

JAN 18 1994

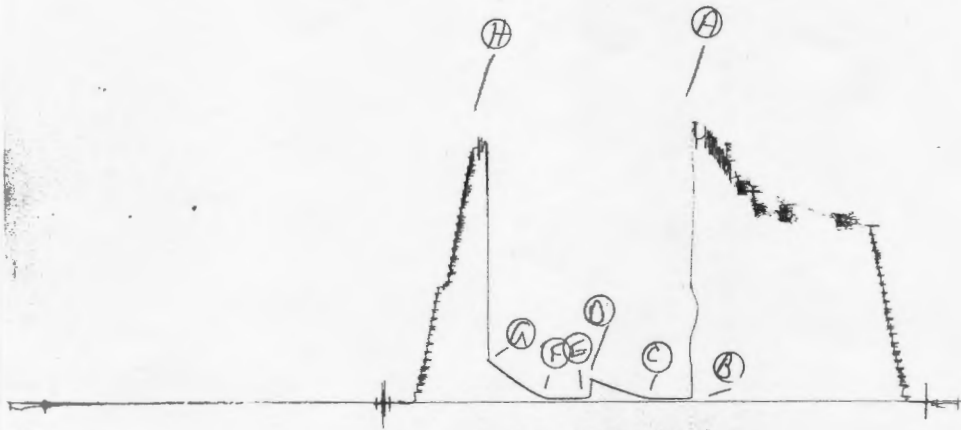
CONSERVATION DIVISION
Wichita, Kansas

KT 19024

I



DST # 1
10242



KT 19024

O

DST # 1
13266





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No 19024

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

Elevation 2343 Formation Council Grove Eff. Pay Ft.

District Garden City Date 7-27-93 Customer Order No.

COMPANY NAME Eagle Creek Corp.

ADDRESS 107 N. MKT. Wichita KS. 67202

LEASE AND WELL NO. Vernon Pass 1-2 COUNTY MEADE STATE KS Sec. 2 Twp 35 Rg 28w.

Mail Invoice To Eagle Creek Corp. SAME #1-2 Pass No. Copies Requested Reg

Mail Charts To SAME Address Vernon No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 3021 ft. to 3036 ft. Total Depth 3036 ft.

Packer Depth 3016 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 3021 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set.

Top Recorder Depth (Inside) 3027 ft. Recorder Number 10242 Cap. 4100

Bottom Recorder Depth (Outside) 3030 ft. Recorder Number 13266 Cap. 4000

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Abercrombie RTD #5 Drill Collar Length I. D. in.

Mud Type Low Solids Viscosity 48 Weight Pipe Length 436 I. D. 2 1/2 in.

Weight 8.7 Water Loss 9.6 cc. Drill Pipe Length 2565 I. D. 3.8 in.

Chlorides 3500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make #10 Serial Number Anchor Length 15 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 7/8 in. Tool Joint Size 4 1/2 x 1 1/2 in.

Blow: WEAK surface slowly built to 3" in bucket IF.

WEAK surface - slowly " " 7" " " " FF.

Recovered 20 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of Total fluid Rec. 20'

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

Time On Location 11:00 AM P.M. Time Pick Up Tool 12:45 AM P.M. Time Off Location AM P.M.

Time Set Packer(s) 1:05 AM P.M. Time Started Off Bottom 3:35 AM P.M. Maximum Temperature 102"

Initial Hydrostatic Pressure (A) 1502 P.S.I.

Initial Flow Period Minutes 30 (B) 23 P.S.I. to (C) 23 P.S.I.

Initial Closed In Period Minutes 45 (D) 130 P.S.I.

Final Flow Period Minutes 30 (E) 35 P.S.I. to (F) 32 P.S.I.

Final Closed In Period Minutes 45 (G) 257 P.S.I.

Final Hydrostatic Pressure (H) 1461 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 of Customer or his authorized representative

Western Representative Victor P. Dwyer

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes 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.

WESTERN TESTING CO., INC.

Pressure Data

Date 7-21-93

Test Ticket No. 19024

Recorder No. _____ Capacity _____ Location _____ Ft.

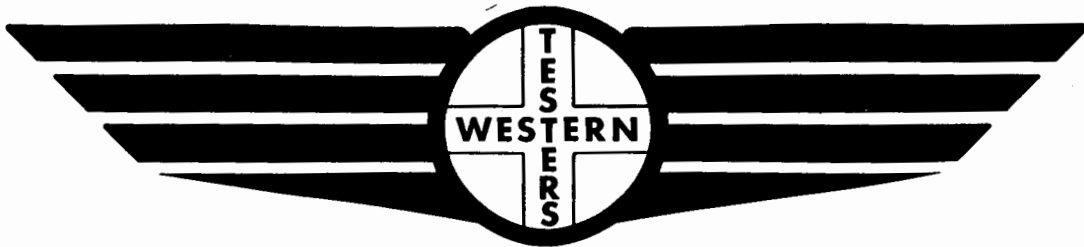
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1493</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>16</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins
C First Final Flow Pressure	<u>16</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins	<u>45</u> Mins
D Initial Closed-in Pressure	<u>137</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins	<u>30</u> Mins
E Second Initial Flow Pressure	<u>21</u> P.S.I.	Final Closed-in Pressure	<u>45</u> Mins	<u>45</u> Mins
F Second Final Flow Pressure	<u>21</u> P.S.I.			
G Final Closed-in Pressure	<u>252</u> P.S.I.			
H Final Hydrostatic Mud	<u>1464</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>16</u>	0	<u>16</u>	0	<u>21</u>	0	<u>21</u>
P 2 5		3	<u>23</u>	5		3	<u>26</u>
P 3 10		6	<u>26</u>	10		6	<u>33</u>
P 4 15		9	<u>33</u>	15		9	<u>44</u>
P 5 20		12	<u>40</u>	20		12	<u>58</u>
P 6 25		15	<u>47</u>	25		15	<u>72</u>
P 7 30	<u>16</u>	18	<u>54</u>	30	<u>21</u>	18	<u>88</u>
P 8 35		21	<u>63</u>	35		21	<u>105</u>
P 9 40		24	<u>70</u>	40		24	<u>119</u>
P10 45		27	<u>80</u>	45		27	<u>135</u>
P11 50		30	<u>89</u>	50		30	<u>151</u>
P12 55		33	<u>98</u>	55		33	<u>175</u>
P13 60		36	<u>109</u>	60		36	<u>191</u>
P14 65		39	<u>121</u>	65		39	<u>210</u>
P15 70		42	<u>128</u>	70		42	<u>228</u>
P16 75		45	<u>137</u>	75		45	<u>252</u>
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57		95		57	
100		60		100		60	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 7/21/93
CUSTOMER : EAGLE CREEK CORPORATION
WELL : #1-2 TEST: 1
ELEVATION: 2343 KB
SECTION : 2
RANGE : 28W COUNTY: MEADE
GAUGE SN#: 10242 RANGE : 4100
TICKET : 19024
LEASE : VERNON ROSS
GEOLOGIST: CALLEWAERT
FORMATION: COUNCIL GROVE
TOWNSHIP : 35S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3021.00 ft TO: 3036.00 ft TVD: 3036.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3027.0 ft 3030.0 ft
TEMPERATURE: 102.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 436.0 ft I.D.: 2.500 in
DRILL PIPE LENGTH : 2565.0 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: 3016.0 ft SIZE: 6.630 in
PACKER DEPTH: 3021.0 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. : ABERCROMBIE RTD #5
MUD TYPE : LOW-SOLIDS VISCOSITY : 48.00 cp
WEIGHT : 8.700 ppg WATER LOSS: 9.600 cc
CHLORIDES : 3500 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK SURFACE BLOW - SLOWLY
BUILT TO 3 INCHES IN BUCKET. FINAL FLOW PERIOD
WEAK SURFACE BLOW -SLOWLY BUILT TO 7 INCHES IN

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

BUCKET.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME: 0.0000 STB		TOTAL FLOW TIME: 60.0000 min.	
GAS VOLUME: 0.0000 SCF		AVERAGE OIL RATE: 0.0000 STB/D	
MUD VOLUME: 0.1214 STB		AVERAGE WATER RATE: 0.0000 STB/D	
WATER VOLUME: 0.0000 STB			
TOTAL FLUID : 0.1214 STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1502.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	23.00	23.00
INITIAL SHUT-IN	45.00		130.00
FINAL FLOW	30.00	35.00	32.00
FINAL SHUT-IN	45.00		257.00

FINAL HYDROSTATIC PRESSURE: 1461.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1493.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	16.00	16.00
INITIAL SHUT-IN	45.00		137.00
FINAL FLOW	30.00	21.00	21.00
FINAL SHUT-IN	45.00		252.00

FINAL HYDROSTATIC PRESSURE: 1464.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/21/93	TICKET : 19024
CUSTOMER : EAGLE CREEK CORPORATION	LEASE : VERNON ROSS
WELL : #1-2 TEST: 1	GEOLOGIST: CALLEWAERT
ELEVATION: 2343 KB	FORMATION: COUNCIL GROVE
SECTION : 2	TOWNSHIP : 35S
RANGE : 28W COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	16.00	16.00
5.00	16.00	0.00
10.00	16.00	0.00
15.00	16.00	0.00
20.00	16.00	0.00
25.00	16.00	0.00
30.00	16.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	23.00	23.00	0.00
6.00	26.00	3.00	0.00
9.00	33.00	7.00	0.00
12.00	40.00	7.00	0.00
15.00	47.00	7.00	0.00
18.00	54.00	7.00	0.00
21.00	63.00	9.00	0.00
24.00	70.00	7.00	0.00
27.00	80.00	10.00	0.00
30.00	89.00	9.00	0.00
33.00	98.00	9.00	0.00
36.00	109.00	11.00	0.00
39.00	121.00	12.00	0.00
42.00	128.00	7.00	0.00
45.00	137.00	9.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	21.00	21.00
5.00	21.00	0.00
10.00	21.00	0.00
15.00	21.00	0.00
20.00	21.00	0.00
25.00	21.00	0.00
30.00	21.00	0.00

FINAL SHUT IN

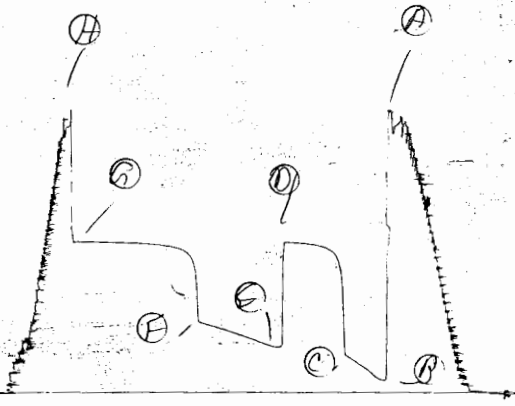
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	26.00	26.00	0.00
6.00	33.00	7.00	0.00
9.00	44.00	11.00	0.00
12.00	58.00	14.00	0.00
15.00	72.00	14.00	0.00
18.00	88.00	16.00	0.00
21.00	105.00	17.00	0.00
24.00	119.00	14.00	0.00
27.00	135.00	16.00	0.00
30.00	151.00	16.00	0.00
33.00	175.00	24.00	0.00
36.00	191.00	16.00	0.00
39.00	210.00	19.00	0.00
42.00	228.00	18.00	0.00
45.00	252.00	24.00	0.00

KT 19025

DST#2

10242

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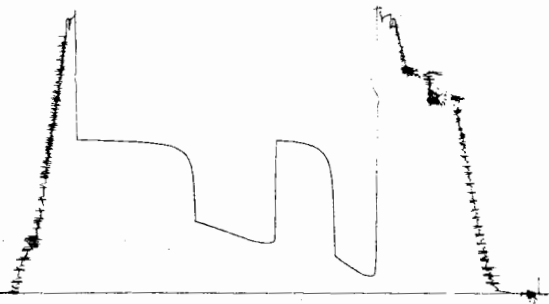


KT 19025

DST#2

13266

O





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 19025

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

Elevation 2343 Formation Council Grove Eff. Pay _____ Ft.

District Cardon City Date 7-22-93 Customer Order No. _____

COMPANY NAME Eagle Creek Corp.

ADDRESS 107 N. MKT. Wichita KS 67202

LEASE AND WELL NO Vernon Ross 1-2 COUNTY MEADE STATE KS Sec. 2 Twp. 35 Rge. 28W

Mail Invoice To Eagle Creek Corp. Co. Name SAME Address SAME #12 Vernon Ross No. Copies Requested Res

Mail Charts To SAME Address SAME #12 Vernon Ross No. Copies Requested Res

Formation Test No. 2 Interval Tested From 3038 ft. to 3075 ft. Total Depth 3075 ft.

Packer Depth 3033 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3038 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3065 ft. Recorder Number 10242 Cap. 4100

Bottom Recorder Depth (Outside) 3068 ft. Recorder Number 13266 Cap. 4000

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

Drilling Contractor Abercrombie RTO. #3 Drill Collar Length _____ I. D. _____ in.

Mud Type Low-solids Viscosity 64 Weight Pipe Length 436 I. D. 2 1/2 in.

Weight 8.7 Water Loss 10.0 cc. Drill Pipe Length 2582 I. D. 3.8 in.

Chlorides 4000 P.P.M. Test Tool Length 20 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 7/8 in. Tool Joint Size 4 1/2 x H in.

Blow: Strong - B.O.B. in 1 min. I.F.

Weak - B.O.B. in 10 min. F.F.

Recovered 90 ft. of mud

Recovered 555 ft. of mud cut wTR

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of Total Fluid Rec 645'

Chlorides 120,000 P.P.M. Sample Jars used _____ Remarks: _____

Time On Location 10:00 A.M. Time Pick Up Tool 11:30 A.M. Time Off Location _____ A.M.

Time Set Packer (s) 12:55 P.M. Time Started Off Bottom 4:40 P.M. Maximum Temperature 103°F

Initial Hydrostatic Pressure _____ (A) 1553 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 81 P.S.I. to (C) 224 P.S.I.

Initial Closed In Period _____ Minutes 45 (D) 863 P.S.I.

Final Flow Period _____ Minutes 60 (E) 280 P.S.I. to (F) 420 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 863 P.S.I.

Final Hydrostatic Pressure _____ (H) 1553 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 of Customer or his authorized representative

Western Representative Vicki P. Czala

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	\$	

WESTERN TESTING CO., INC.

Pressure Data

19025

Date _____

Test Ticket No. _____

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

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.
	Point Minutes	Point Minutes	Point Minutes	Point Minutes
P 1 105	_____	63	105	63
P 2 110	_____	66	110	66
P 3 115	_____	69	115	69
P 4 120	_____	72	120	72
P 5 125	_____	75	125	75
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
P11 155	_____	93	155	93
P12 160	_____	96	160	96
P13 165	_____	99	165	99
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

864
865
865
865
866
866
867
867
868
868

WESTERN TESTING CO., INC.
Pressure Data

Date 7-22-93

Test Ticket No. 19025

Recorder No. _____ Capacity _____ Location _____ Ft.

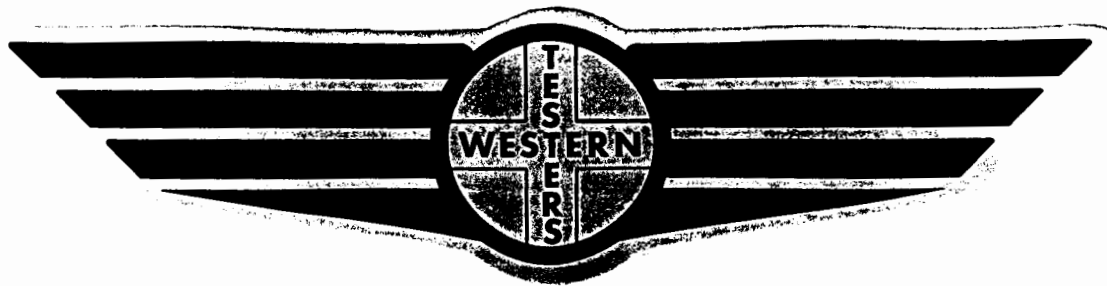
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1491</u>	P.S.I.		
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>45</u> Mins	<u>45</u> Mins
D Initial Closed-in Pressure		P.S.I.	<u>60</u> Mins	<u>40</u> Mins
E Second Initial Flow Pressure		P.S.I.	<u>90</u> Mins	<u>90</u> Mins
F Second Final Flow Pressure		P.S.I.		
G Final Closed-in Pressure		P.S.I.		
H Final Hydrostatic Mud	<u>1483</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>70</u>	0	<u>226</u>	0	<u>268</u>	0	<u>427</u>
P 2 5	<u>79</u>	3	<u>494</u>	5	<u>275</u>	3	<u>662</u>
P 3 10	<u>102</u>	6	<u>703</u>	10	<u>287</u>	6	<u>770</u>
P 4 15	<u>140</u>	9	<u>779</u>	15	<u>303</u>	9	<u>804</u>
P 5 20	<u>165</u>	12	<u>809</u>	20	<u>317</u>	12	<u>818</u>
P 6 25	<u>196</u>	15	<u>825</u>	25	<u>334</u>	15	<u>822</u>
P 7 30	<u>226</u>	18	<u>836</u>	30	<u>345</u>	18	<u>834</u>
P 8 35		21	<u>842</u>	35	<u>357</u>	21	<u>840</u>
P 9 40		24	<u>849</u>	40	<u>373</u>	24	<u>847</u>
P10 45		27	<u>858</u>	45	<u>385</u>	27	<u>850</u>
P11 50		30	<u>858</u>	50	<u>397</u>	30	<u>854</u>
P12 55		33	<u>858</u>	55	<u>408</u>	33	<u>857</u>
P13 60		36	<u>859</u>	60	<u>427</u>	36	<u>858</u>
P14 65		39	<u>860</u>	65		39	<u>859</u>
P15 70		42	<u>861</u>	70		42	<u>860</u>
P16 75		45	<u>863</u>	75		45	<u>861</u>
P17 80		48		80		48	<u>862</u>
P18 85		51		85		51	<u>862</u>
P19 90		54		90		54	<u>863</u>
P20 95		57		95		57	<u>863</u>
100		60		100		60	<u>864</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone **1 - 800-688-7021**

DST REPORT

GENERAL INFORMATION

DATE : 7/22/93	TICKET : 19025
CUSTOMER : EAGLE CREEK CORPORATION	LEASE : VERNON ROSS
WELL : #1-2 TEST: 2	GEOLOGIST: CALLEWAERT
ELEVATION: 2343 KB	FORMATION: COUNCIL GROVE
SECTION : 2	TOWNSHIP : 35S
RANGE : 28W COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3038.00 ft	TO: 3075.00 ft	TVD: 3075.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 3065.0 ft	3068.0 ft	
TEMPERATURE: 103.0		

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 436.0 ft	I.D.:	2.500 in
DRILL PIPE LENGTH : 2582.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 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
PACKER DEPTH: 3033.0 ft	SIZE:	6.630 in
PACKER DEPTH: 3038.0 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. : ABERCROMBIE RTD #5	VISCOSITY : 64.00 cp
MUD TYPE : LOW-SOLIDS	WATER LOSS: 10.000 cc
WEIGHT : 8.700 ppg	
CHLORIDES : 4000 ppm	SERIAL NUMBER:
JARS-MAKE :	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - BOTTOM OF BUCKET
 IN 1 MINUTE. FINAL FLOW PERIOD WEAK BLOW - BOTTOM
 OF BUCKET IN 10 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	0.0	0.0	0.0	100.0	MUD
555.0	0.0	0.0	35.0	65.0	MUD CUT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 120000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	4.0678 STB	AVERAGE WATER RATE:	69.0572 STB/D
WATER VOLUME:	1.5106 STB		
TOTAL FLUID :	5.5784 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1553.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	81.00	224.00
INITIAL SHUT-IN	45.00		863.00
FINAL FLOW	60.00	280.00	420.00
FINAL SHUT-IN	90.00		863.00

FINAL HYDROSTATIC PRESSURE: 1553.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1491.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	70.00	226.00
INITIAL SHUT-IN	45.00		863.00
FINAL FLOW	60.00	268.00	427.00
FINAL SHUT-IN	90.00		868.00

FINAL HYDROSTATIC PRESSURE: 1483.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/22/93	TICKET : 19025
CUSTOMER : EAGLE CREEK CORPORATION	LEASE : VERNON ROSS
WELL : #1-2 TEST: 2	GEOLOGIST: CALLEWAERT
ELEVATION: 2343 KB	FORMATION: COUNCIL GROVE
SECTION : 2	TOWNSHIP : 35S
RANGE : 28W COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	70.00	70.00
5.00	79.00	9.00
10.00	120.00	41.00
15.00	140.00	20.00
20.00	165.00	25.00
25.00	196.00	31.00
30.00	226.00	30.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	494.00	494.00	0.00
6.00	703.00	209.00	0.00
9.00	779.00	76.00	0.00
12.00	809.00	30.00	0.00
15.00	825.00	16.00	0.00
18.00	836.00	11.00	0.00
21.00	842.00	6.00	0.00
24.00	849.00	7.00	0.00
27.00	853.00	4.00	0.00
30.00	856.00	3.00	0.00
33.00	858.00	2.00	0.00
36.00	859.00	1.00	0.00
39.00	860.00	1.00	0.00
42.00	861.00	1.00	0.00
45.00	863.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	268.00	268.00
5.00	275.00	7.00
10.00	287.00	12.00
15.00	303.00	16.00
20.00	317.00	14.00
25.00	334.00	17.00
30.00	345.00	11.00
35.00	357.00	12.00
40.00	373.00	16.00
45.00	385.00	12.00
50.00	397.00	12.00
55.00	408.00	11.00
60.00	427.00	19.00

FINAL SHUT IN

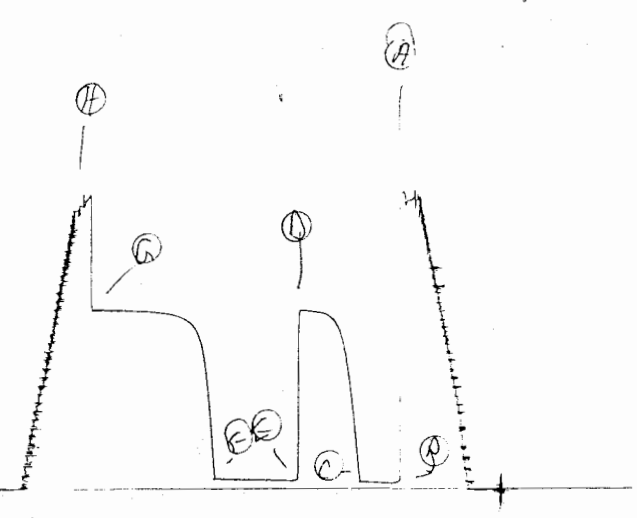
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	662.00	662.00	0.00
6.00	770.00	108.00	0.00
9.00	804.00	34.00	0.00
12.00	818.00	14.00	0.00
15.00	822.00	4.00	0.00
18.00	834.00	12.00	0.00
21.00	840.00	6.00	0.00
24.00	847.00	7.00	0.00
27.00	850.00	3.00	0.00
30.00	854.00	4.00	0.00
33.00	857.00	3.00	0.00
36.00	858.00	1.00	0.00
39.00	859.00	1.00	0.00
42.00	860.00	1.00	0.00
45.00	861.00	1.00	0.00
48.00	862.00	1.00	0.00
51.00	862.00	0.00	0.00
54.00	863.00	1.00	0.00
57.00	863.00	0.00	0.00
60.00	864.00	1.00	0.00
63.00	864.00	0.00	0.00
66.00	865.00	1.00	0.00
69.00	865.00	0.00	0.00
72.00	865.00	0.00	0.00
75.00	866.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
78.00	866.00	0.00	0.00
81.00	867.00	1.00	0.00
84.00	867.00	0.00	0.00
87.00	868.00	1.00	0.00
90.00	868.00	0.00	0.00

KT 20476 OST# 3
10242
I



KT 20476 OST# 3
13266
clock stopped





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 20476

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

Elevation 2343 Formation Council Grove Eff. Pay Ft.

District Garden City Date 7-23-93 Customer Order No.

COMPANY NAME Eagle Creek Corp.

ADDRESS 107 N. MKT. Wichita KS 67202

LEASE AND WELL NO Vernon Ross 1-2 COUNTY MCPHE STATE KS Sec. 2 Twp. 35 Rge. 28W.

Mail Invoice To SAME Co. Name SAME #1-2 Ross No. Copies Requested Res

Mail Charts To SAME Address SAME #1-2 Ross No. Copies Requested Res

Formation Test No. 3 Interval Tested From 3215 ft. to 3244 ft. Total Depth 3244 ft.

Packer Depth 3210 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 3215 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3235 ft. Recorder Number 10242 Cap. 4100

Bottom Recorder Depth (Outside) 3238 ft. Recorder Number 13266 Cap. 4000

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Abercrombie RTD #5 Drill Collar Length I. D. in.

Mud Type Low-solid Viscosity 56 Weight 8.8 Water Loss 10.0 cc. Drill Pipe Length 2759 I. D. 3.8 in.

Chlorides 4000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 29 ft. Size 5 1/2 in.

Did Well Flow? Reversed Out NO 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-slowly built to B.O.B. in 7 min IF

Strong-B.O.B. in 3 min - Gas to surface in 5 min FF. See flow chart

Recovered 110 ft. of slightly gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of Total fluid Rec. 110'

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

Time On Location 3:00 AM Time Pick Up Tool 3:30 AM Time Off Location AM.

Time Set Packer(s) 4:45 AM Time Started Off Bottom 8:30 AM Maximum Temperature 104°F

Initial Hydrostatic Pressure (A) 1617 P.S.I.

Initial Flow Period Minutes 30 (B) 37 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period Minutes 45 (D) 1019 P.S.I.

Final Flow Period Minutes 60 (E) 49 P.S.I. to (F) 58 P.S.I.

Final Closed In Period Minutes 90 (G) 1021 P.S.I.

Final Hydrostatic Pressure (H) 1593 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 of Customer or his authorized representative

Western Representative Victor P. Coyle

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes 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.



Nº 1152

GAS FLOW REPORT

Date 7-23-93 Ticket 20476 Company Eagle Creek Corp
 Well Name and No. Vernon Ross 1-2 Dst No. 3 Interval Tested 3215-3244
 County MEADE State KS Sec. 2 Twp. 35 Rg. 28 W

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

Inches WTR				Gas to Surface in 5 min
10	7	1/2"		16,700 CFPD
15	11	"		20,900 "
20	12	"		21,900 "
25	13	"		22,800 "
30	"	"		" "
35	"	"		" "
40	"	"		" "
45	"	"		" "
50	16	"		25,100 "
55	Catch	6d's sample		
60	15			24,500 "

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 7-23-93

Test Ticket No. 20476

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1625</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>28</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Mins
C First Final Flow Pressure	<u>42</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins	<u>45</u> Mins
D Initial Closed-in Pressure	<u>1019</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins	<u>60</u> Mins
E Second Initial Flow Pressure	<u>49</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins	<u>90</u> Mins
F Second Final Flow Pressure	<u>63</u> P.S.I.			
G Final Closed-in Pressure	<u>1021</u> P.S.I.			
H Final Hydrostatic Mud	<u>1601</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	Press.	Point Minutes	Press.
P 1	<u>28</u>	<u>0</u>	<u>42</u>	<u>0</u>	<u>49</u>	<u>0</u>	<u>61</u>
P 2	<u>28</u>	<u>3</u>	<u>259</u>	<u>5</u>	<u>50</u>	<u>3</u>	<u>373</u>
P 3	<u>30</u>	<u>6</u>	<u>453</u>	<u>10</u>	<u>51</u>	<u>6</u>	<u>572</u>
P 4	<u>32</u>	<u>9</u>	<u>610</u>	<u>15</u>	<u>52</u>	<u>9</u>	<u>734</u>
P 5	<u>35</u>	<u>12</u>	<u>734</u>	<u>20</u>	<u>53</u>	<u>12</u>	<u>840</u>
P 6	<u>40</u>	<u>15</u>	<u>845</u>	<u>25</u>	<u>54</u>	<u>15</u>	<u>899</u>
P 7	<u>42</u>	<u>18</u>	<u>911</u>	<u>30</u>	<u>55</u>	<u>18</u>	<u>935</u>
P 8		<u>21</u>	<u>955</u>	<u>35</u>	<u>56</u>	<u>21</u>	<u>957</u>
P 9		<u>24</u>	<u>878</u>	<u>40</u>	<u>57</u>	<u>24</u>	<u>967</u>
P10		<u>27</u>	<u>994</u>	<u>45</u>	<u>58</u>	<u>27</u>	<u>978</u>
P11		<u>30</u>	<u>1005</u>	<u>50</u>	<u>59</u>	<u>30</u>	<u>989</u>
P12		<u>33</u>	<u>1009</u>	<u>55</u>	<u>60</u>	<u>33</u>	<u>998</u>
P13		<u>36</u>	<u>1012</u>	<u>60</u>	<u>61</u>	<u>36</u>	<u>1002</u>
P14		<u>39</u>	<u>1015</u>	<u>65</u>		<u>39</u>	<u>1005</u>
P15		<u>42</u>	<u>1017</u>	<u>70</u>		<u>42</u>	<u>1006</u>
P16		<u>45</u>	<u>1019</u>	<u>75</u>		<u>45</u>	<u>1007</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>1008</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>1009</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>1010</u>
P20		<u>57</u>		<u>95</u>		<u>57</u>	<u>1011</u>
		<u>60</u>		<u>100</u>		<u>60</u>	<u>1012</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticker No. 20976

Recorder No. _____ Capacity _____ Location _____ Ft.

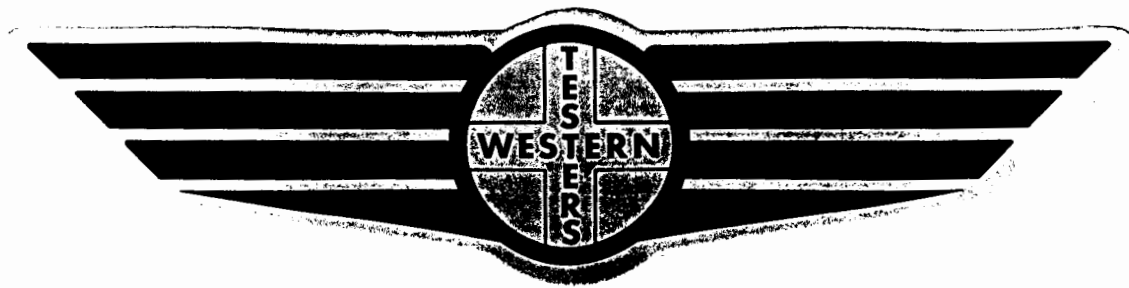
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1625</u> 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	<u>1601</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 _____ 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	<u>105</u>	<u>63</u>		<u>105</u>		<u>63</u>	<u>1013</u>
P 2	<u>110</u>	<u>66</u>		<u>110</u>		<u>66</u>	<u>1014</u>
P 3	<u>115</u>	<u>69</u>		<u>115</u>		<u>69</u>	<u>1015</u>
P 4	<u>120</u>	<u>72</u>		<u>120</u>		<u>72</u>	<u>1016</u>
P 5	<u>125</u>	<u>75</u>		<u>125</u>		<u>75</u>	<u>1017</u>
P 6	<u>130</u>	<u>78</u>		<u>130</u>		<u>78</u>	<u>1018</u>
P 7	<u>135</u>	<u>81</u>		<u>135</u>		<u>81</u>	<u>1019</u>
P 8	<u>140</u>	<u>84</u>		<u>140</u>		<u>84</u>	<u>1020</u>
P 9	<u>145</u>	<u>87</u>		<u>145</u>		<u>87</u>	<u>1021</u>
P10	<u>150</u>	<u>90</u>		<u>150</u>		<u>90</u>	<u>1022</u>
P11	<u>155</u>	<u>93</u>		<u>155</u>		<u>93</u>	
P12	<u>160</u>	<u>96</u>		<u>160</u>		<u>96</u>	
P13	<u>165</u>	<u>99</u>		<u>165</u>		<u>99</u>	
P14	<u>170</u>	<u>102</u>		<u>170</u>		<u>102</u>	
P15	<u>175</u>	<u>105</u>		<u>175</u>		<u>105</u>	
P16	<u>180</u>	<u>108</u>		<u>180</u>		<u>108</u>	
P17	<u>185</u>	<u>111</u>		<u>185</u>		<u>111</u>	
P18	<u>190</u>	<u>114</u>		<u>190</u>		<u>114</u>	
P19	<u>195</u>	<u>117</u>		<u>195</u>		<u>117</u>	
P20	<u>200</u>	<u>120</u>		<u>200</u>		<u>120</u>	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone **1 - 800-688-7021**

COMPANY EAGLE CREEK CORPORATION LEASE & WELL NO. #1-2 VERNON ROSS SEC. 2 TWP. 35S RGE. 28W TEST NO. 3 DATE 7/23/93

DST REPORT

GENERAL INFORMATION

DATE : 7/23/93
CUSTOMER : EAGLE CREEK CORPORATION
WELL : #1-2 TEST: 3
ELEVATION: 2343 KB
SECTION : 2
RANGE : 28W COUNTY: MEADE
GAUGE SN#: 10242 RANGE : 4100
TICKET : 20476
LEASE : VERNON ROSS
GEOLOGIST: CALLEWAERT
FORMATION: COUNCIL GROVE
TOWNSHIP : 35S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3215.00 ft TO: 3244.00 ft TVD: 3244.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 3235.0 ft 3238.0 ft
TEMPERATURE: 104.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 436.0 ft I.D.: 2.500 in
DRILL PIPE LENGTH : 2759.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 29.0 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: 3210.0 ft SIZE: 6.630 in
PACKER DEPTH: 3215.0 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. : ABERCROMBIE RTD #5
MUD TYPE : LOW-SOLIDS VISCOSITY : 56.00 cp
WEIGHT : 8.800 ppg WATER LOSS: 10.000 cc
CHLORIDES : 4000 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - SLOWLY BUILT TO
BOTTOM OF BUCKET IN 7 MINUTES. FINAL FLOW PERIOD
STRONG BLOW - BOTTOM OF BUCKET IN 3 MINUTES. GAS

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

TO SURFACE IN 5 MINUTES ON FINAL FLOW. SEE GAS SHEET ATTACHED.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
110.0	0.0	0.0	0.0	100.0	SL GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.6678 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.6678 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1617.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	37.00	46.00
INITIAL SHUT-IN	45.00		1019.00
FINAL FLOW	60.00	49.00	58.00
FINAL SHUT-IN	90.00		1021.00

FINAL HYDROSTATIC PRESSURE: 1593.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 7/23/93	TICKET : 20476
CUSTOMER : EAGLE CREEK CORPORATION	LEASE : VERNON ROSS
WELL : #1-2 TEST: 3	GEOLOGIST: CALLEWAERT
ELEVATION: 2343 KB	FORMATION: COUNCIL GROVE
SECTION : 2	TOWNSHIP : 35S
RANGE : 28W COUNTY: MEADE	STATE : KS
GAUGE SN#: 10242 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.
10 MIN	MERLA	0.500	7" WATER	16700 SCF/D
15 MIN	MERLA	0.500	11" WATER	20900 SCF/D
20 MIN	MERLA	0.500	12" WATER	21900 SCF/D
25 MIN	MERLA	0.500	13" WATER	22800 SCF/D
30 MIN	MERLA	0.500	13" WATER	22800 SCF/D
35 MIN	MERLA	0.500	13" WATER	22800 SCF/D
40 MIN	MERLA	0.500	13" WATER	22800 SCF/D
45 MIN	MERLA	0.500	13" WATER	22800 SCF/D
50 MIN	MERLA	0.500	16" WATER	25100 SCF/D
55 MIN		0.000	CAUGHT GAS SAMPLE	0 SCF/D
60 MIN	MERLA	0.500	15" WATER	24500 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/23/93	TICKET	: 20476
CUSTOMER	: EAGLE CREEK CORPORATION	LEASE	: VERNON ROSS
WELL	: #1-2	TEST:	: 3
ELEVATION:	2343 KB	GEOLOGIST:	CALLEWAERT
SECTION	: 2	FORMATION:	COUNCIL GROVE
RANGE	: 28W	TOWNSHIP	: 35S
GAUGE SN#:	10242	STATE	: KS
		CLOCK	: 12
		COUNTY:	MEADE
		RANGE	: 4100

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	28.00	28.00
5.00	28.00	0.00
10.00	30.00	2.00
15.00	32.00	2.00
20.00	35.00	3.00
25.00	40.00	5.00
30.00	42.00	2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	259.00	259.00	0.00
6.00	453.00	194.00	0.00
9.00	610.00	157.00	0.00
12.00	734.00	124.00	0.00
15.00	845.00	111.00	0.00
18.00	911.00	66.00	0.00
21.00	955.00	44.00	0.00
24.00	978.00	23.00	0.00
27.00	994.00	16.00	0.00
30.00	1005.00	11.00	0.00
33.00	1009.00	4.00	0.00
36.00	1012.00	3.00	0.00
39.00	1015.00	3.00	0.00
42.00	1017.00	2.00	0.00
45.00	1019.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	49.00	49.00
5.00	50.00	1.00
10.00	51.00	1.00
15.00	52.00	1.00
20.00	53.00	1.00
25.00	54.00	1.00
30.00	55.00	1.00
35.00	56.00	1.00
40.00	57.00	1.00
45.00	58.00	1.00
50.00	59.00	1.00
55.00	60.00	1.00
60.00	61.00	1.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	373.00	373.00	0.00
6.00	572.00	199.00	0.00
9.00	734.00	162.00	0.00
12.00	840.00	106.00	0.00
15.00	899.00	59.00	0.00
18.00	935.00	36.00	0.00
21.00	957.00	22.00	0.00
24.00	967.00	10.00	0.00
27.00	978.00	11.00	0.00
30.00	989.00	11.00	0.00
33.00	998.00	9.00	0.00
36.00	1002.00	4.00	0.00
39.00	1005.00	3.00	0.00
42.00	1006.00	1.00	0.00
45.00	1007.00	1.00	0.00
48.00	1008.00	1.00	0.00
51.00	1009.00	1.00	0.00
54.00	1010.00	1.00	0.00
57.00	1011.00	1.00	0.00
60.00	1012.00	1.00	0.00
63.00	1013.00	1.00	0.00
66.00	1014.00	1.00	0.00
69.00	1015.00	1.00	0.00
72.00	1016.00	1.00	0.00
75.00	1017.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
78.00	1018.00	1.00	0.00
81.00	1019.00	1.00	0.00
84.00	1020.00	1.00	0.00
87.00	1021.00	1.00	0.00
90.00	1022.00	1.00	0.00