



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

Nº

5647

OK

P. O. BOX 1599

PHONE (316) 262-5861

Elevation

Formation

Miss.

Eff. Pay

Ft.

WICHITA, KANSAS 67201

12
E-080

District

Perth

Date

8-29-84

Customer Order No.

COMPANY NAME

Ewer Pet. Company

ADDRESS

Suite 816 KSB Bld. Wichita KS 67202

LEASE AND WELL NO.

Muir #1

COUNTY

Harper

STATE

KS

Sec

4

Twp

32S

Rge

7W

Mail Invoice To

Same #1 MUIR

No. Copies Requested

Reg

Mail Charts To

Same

No. Copies Requested

Reg

Formation Test No.

1

Interval Tested From

4389

ft. to

4400

ft. Total

Depth

4400

ft.

Packer Depth

4384

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Packer Depth

4389

ft.

Size

6 3/4 in.

Packer Depth

ft.

Size

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4394

ft.

Recorder Number

13402

Cap.

4025

Bottom Recorder Depth (Outside)

4397

ft.

Recorder Number

1359

Cap.

4200

Below Saddle Recorder Depth

ft.

Recorder Number

Cap.

Drilling Contractor

Bergman #1

Drill Collar Length

I. D.

in.

Mud Type

Starch

Viscosity

43

Weight Pipe Length

1020

I. D.

3.2

in.

Weight

9.9

Water Loss

11.8

cc.

Drill Pipe Length

3349

I. D.

3.8

in.

Chlorides

41,000

P.P.M.

Test Tool Length

20

ft.

Tool Size

5/16 OD

in.

Jars: Make

Serial Number

Anchor Length

11

ft.

Size

5/16 OD

in.

Did Well Flow?

NO

Reversed Out

NO

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 #

in.

Blow: Strong GTS 1 min FF - See Gas Flow Report

Recovered 120 ft. of

Gas Cut Mud

Recovered 240 ft. of

Water Chlorides 98,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used

Remarks:

Time On Location

5:30

AM
PM

Time Pick Up Tool

7:30

AM
PM

Time Off Location

5:30

AM
PM

Time Set Packer(s)

9:15

AM
PM

Time Started Off Bottom

1:45

AM
PM

Maximum Temperature

120°

Initial Hydrostatic Pressure

(A)

2380

P.S.I.

Initial Flow Period

Minutes

30

(B)

118

P.S.I. to (C)

137

P.S.I.

Initial Closed In Period

Minutes

60

(D)

1654

P.S.I.

Final Flow Period

Minutes

90

(E)

157

P.S.I. to (F)

216

P.S.I.

Final Closed In Period

Minutes

90

(G)

1554

P.S.I.

Final Hydrostatic Pressure

(H)

2380

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 Charles J. Slagle

Signature of Customer or his authorized representative

Western Representative

Signature of Western Representative

Thank you

FIELD INVOICE

Open Hole Test	\$ 1895.00
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
Telecopier	\$
TOTAL	\$ 1895.00

WESTERN TESTING CO., INC.

Pressure Data

Date: 8-29-84

Test Ticket No. 5647

Recorder No. 13402 Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2386</u> P.S.I.		M
B First Initial Flow Pressure	<u>115</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>137</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1648</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>155</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>218</u> P.S.I.		
G Final Closed-in Pressure	<u>1538</u> P.S.I.		
H Final Hydrostatic Mud	<u>2369</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 7 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 21 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 19 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>115</u>	0	<u>137</u>	0	<u>155</u>	0	<u>218</u>
P 2	<u>115</u>	3	<u>1650</u>	5	<u>155</u>	3	<u>726</u>
P 3	<u>115</u>	6	<u>1028</u>	10	<u>156</u>	6	<u>1037</u>
P 4	<u>123</u>	9	<u>1248</u>	15	<u>160</u>	9	<u>1207</u>
P 5	<u>130</u>	12	<u>1400</u>	20	<u>167</u>	12	<u>1304</u>
P 6	<u>134</u>	15	<u>1486</u>	25	<u>174</u>	15	<u>1355</u>
P 7	<u>137</u>	18	<u>1538</u>	30	<u>180</u>	18	<u>1391</u>
P 8		21	<u>1568</u>	35	<u>185</u>	21	<u>1411</u>
P 9		24	<u>1591</u>	40	<u>191</u>	24	<u>1428</u>
P 10		27	<u>1605</u>	45	<u>196</u>	27	<u>1441</u>
P 11		30	<u>1614</u>	50	<u>200</u>	30	<u>1451</u>
P 12		33	<u>1620</u>	55	<u>203</u>	33	<u>1461</u>
P 13		36	<u>1625</u>	60	<u>205</u>	36	<u>1469</u>
P 14		39	<u>1630</u>	65	<u>207</u>	39	<u>1475</u>
P 15		42	<u>1633</u>	70	<u>209</u>	42	<u>1481</u>
P 16		45	<u>1636</u>	75	<u>211</u>	45	<u>1486</u>
P 17		48	<u>1639</u>	80	<u>213</u>	48	<u>1491</u>
P 18		51	<u>1642</u>	85	<u>215</u>	51	<u>1496</u>
P 19		54	<u>1644</u>	90	<u>218</u>	54	<u>1501</u>
P 20		57	<u>1646</u>			57	<u>1506</u>
		60	<u>1648</u>			60	<u>1510</u>

WESTERN TESTING CO., INC.

Pressure Data

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

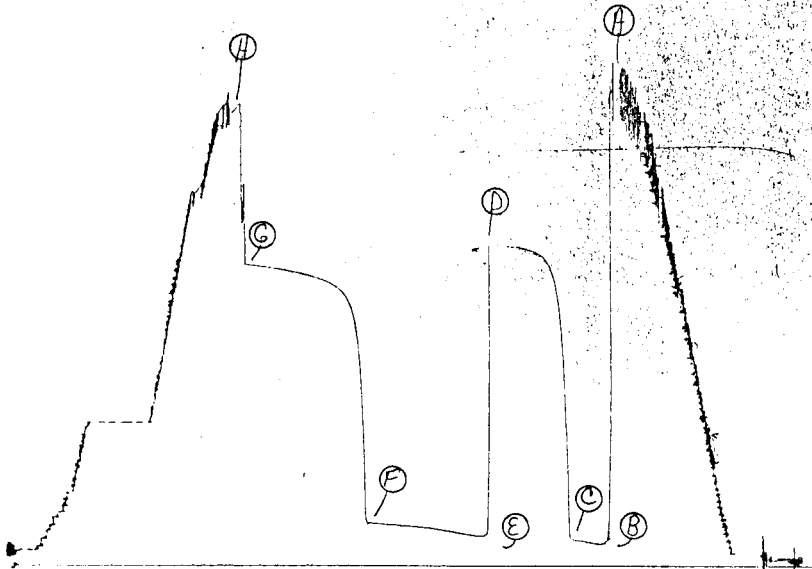
First Flow Pressure Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Initial Shut-In Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Second Flow Pressure Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.		Final Shut-In Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63				63	1514
P 2		66				66	1517
P 3		69				69	1520
P 4		72				72	1523
P 5		75				75	1526
P 6		78				78	1529
P 7		81				81	1532
P 8		84				84	1534
P 9		87				87	1536
P10		90				90	1538
P11		93				93	
P12		96				96	
P13		99				99	
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

13402

DST #1

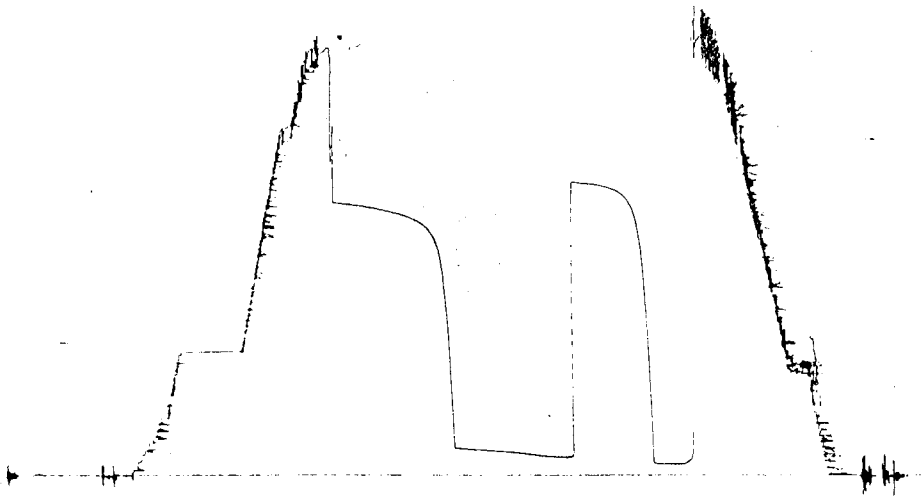
TKT # 5647

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1559
DST #1 TKT #56.47

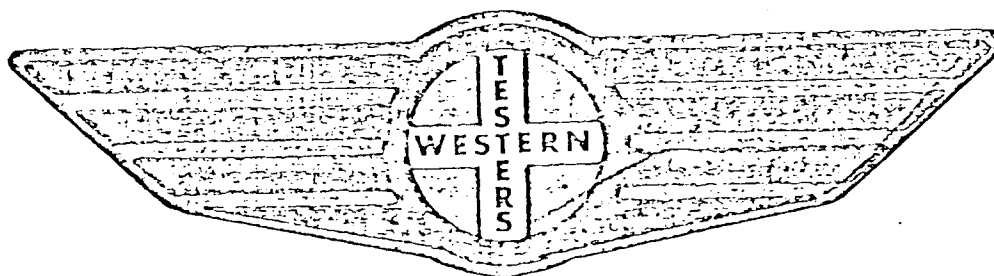
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

pany
EUMER PETROLEUM COMPANY
Lease and Well No. #1 MUIR
Sec. 4
Twp. 32S
Rge. 7W
Test No. 1
JatØ/29/84

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/29/84
 CUSTOMER: EUWER PETROLEUM COMPANY
 WELL: #1 TEST: 1
 ELEVATION (KB): 0 FORMATION: MISS
 SECTION: 4 TOWNSHIP: 32S
 RANGE: 7W COUNTY: HARPER STATE: KANSAS
 GAUGE SN #13402 RANGE: 4025 CLOCK: 12

TICKET #5647
 LEASE: MUIR
 GEOLOGIST: SLAGLE

INTERVAL TEST FROM: 4389 FT TO: 4400 FT TOTAL DEPTH: 4400 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 4384 FT SIZE: 6 3/4 IN PACKER DEPTH: 4389 FT SIZE: 6 3/4 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BERGMAN
 MUD TYPE: STARCH VISCOSITY: 43
 WEIGHT: 9.9 WATER LOSS (CC): 11.8
 CHLORIDES (P.P.M.): 41000
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? NO
 DRILL COLLAR LENGTH: FT I.D.: IN
 WEIGHT PIPE LENGTH: 1020 FT I.D.: 3.2 IN
 DRILL PIPE LENGTH: 3349 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
 ANCHOR LENGTH: 11 FT SIZE: 5 1/2 O.D. 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: STRONG GAS TO SURFACE IN 1 MINUTE
 IN FINAL FLOW PERIOD. SEE GAS SHEET.

RECOVERED: 120 FT OF: GAS CUT MUD.
 RECOVERED: 240 FT OF: WATER; CHLORIDES 98000 P.P.M.
 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): 9:15 P.M. TIME STARTED OFF BOTTOM: 1:45 A.M.
 WELL TEMPERATURE: 120 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 2386 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 115 PSI TO (C) 137 PSI
 INITIAL CLOSED IN PERIOD MIN: 60 (D) 1348 PSI
 FINAL FLOW PERIOD MIN: 90 (E) 155 PSI TO (F) 218 PSI
 FINAL CLOSED IN PERIOD MIN: 90 (G) 1538 PSI
 FINAL HYDROSTATIC PRESSURE (H) 2369 PSI

WESTERN TESTING COMPANY INC.
GAS FLOW REPORT

DATE: 8/29/84

CUSTOMER: EUWER PETROLEUM COMPANY

WELL: #1

ELEVATION (KB): 0

SECTION: 4

RANGE: 7W

GAUGE SN #13402

TEST: 1

COUNTY: HARPER

RANGE: 4025

TICKET #5647

LEASE: MUIR

GEOLOGIST: SLAGLE

FORMATION: MISS

TOWNSHIP: 32S

STATE: KANSAS

CLOCK: 12

TIME GAUGE (MIN)	TESTER TYPE	ORIFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

SECOND FLOW

10	MERLA	1/2	5" WTR	14100 CFPD
20	"	"	6" WTR	15400 " "
30	"	"	6" WTR	15400 " "
40	"	"	7" WTR	16700 " "
50	"	"	7" WTR	16700 " "
60	"	"	7" WTR	16700 " "
70	"	"	7" WTR	16700 " "
80	"	"	7" WTR	16700 " "
90	"	"	7" WTR	16700 " "

GAS BOTTLE SN #:

DATE BOTTLE FILLED:

DATE TO BE INVOICED: