



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4981

P. O. BOX 1599 PHONE (316) 262-5861

Elevation _____ Formation Elgin lime Eff. Pay _____ Ft.

WICHITA, KANSAS 67201

District 18

Cratt

Date 8/27/84

Customer Order No. _____

COMPANY NAME

Berexco Inc Beren Corporation

ADDRESS

970 Fourth Financial Center Wichita, KS 67202

LEASE AND WELL NO.

Parr #2

COUNTY

Barker

STATE

Ks

Sec.

27

Twp.

31

Rge.

134

Mail Invoice To

Same

Address

No. Copies Requested

5

Mail Charts To

Same #2 PARR

Address

No. Copies Requested

5

Formation Test No.

1

Interval Tested From

3366

ft. to

3382

ft. Total Depth

3382

ft.

Packer Depth

3366

ft.

Size

6 7/8

in.

Packer Depth

-

ft.

Size

-

in.

Packer Depth

3366

ft.

Size

6 7/8

in.

Packer Depth

-

ft.

Size

-

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

3372 ft.

Recorder Number

13547

Cap.

4225

Bottom Recorder Depth (Outside)

3375 ft.

Recorder Number

13552

Cap.

4050

Below Scaddle Recorder Depth

_____ ft.

Recorder Number

Cap.

Drilling Contractor

Beredco Rig #2

Drill Collar Length

240

I. D.

2 1/4

in.

Mud Type

Chemical

Viscosity

50

Weight Pipe Length

-

I. D.

-

in.

Weight

9.1

Water Loss

18.4

cc.

Drill Pipe Length

3105

I. D.

3.8

in.

Chlorides

8,000

P.P.M.

Test Tool Length

21

ft.

Tool Size

5/200

in.

Jars: Make

-

Serial Number

-

Anchor Length

16

ft.

Size

5/200

in.

Did Well Flow?

Yes

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 FH

in.

Blow:

Strong blow throughout flow periods
Gas to surface in 18 min on preflow

Recovered _____ ft. of

Hvy Oil & Gas Cut Mud

Recovered _____ ft. of

Clean Gassy Oil

Gravity (28)

Recovered _____ ft. of

Recovered _____ ft. of

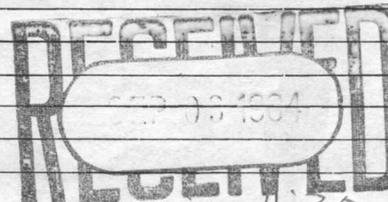
Recovered _____ ft. of

Chlorides _____ P.P.M.

Sample Jars used _____

Remarks:

Title Hole



Time On Location

6:30

A.M.
P.M.

Time Pick Up Tool

7:30

A.M.
P.M.

Time Off Location

4:30

A.M.
P.M.

Time Set Packer(s)

9:15

A.M.
P.M.

Time Started Off Bottom

2:00

A.M.
P.M.

Maximum Temperature

112°

Initial Hydrostatic Pressure

(A) 1619

P.S.I.

Initial Flow Period

Minutes 30

(B)

105

P.S.I. to (C)

116

P.S.I.

Initial Closed In Period

Minutes 45

(D)

1283

P.S.I.

Final Flow Period

Minutes 120

(E)

148

P.S.I. to (F)

264

P.S.I.

Final Closed In Period

Minutes 90

(G)

1273

P.S.I.

Final Hydrostatic Pressure

(H) 1598

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

Jim Wondra Thank You

2376

FIELD INVOICE

Open Hole Test	\$ <u>580</u>
Misrun	\$ _____
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage	\$ _____
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ _____
Telecopier	\$ _____
TOTAL	\$ _____



Nº 3877

GAS FLOW REPORT

Date 8/27/84 Ticket 4981 Company Berexco Inc
 Well Name and No. Parr #2 Dst No. 1 Interval Tested 3366-3382
 County Barber State Ks Sec. 27 Twp. 31 Rg. 13

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
PRE FLOW					
<i>Gas to surface in 18 min</i>					
20	19 H ₂ O	1"			113,000 C.F.P.D
30	18"	"			110,000 "

SECOND FLOW					
5	18 H ₂ O	1"			110,000 C.F.P.D
10	19"	"			113,000 "
20	}	}			}
30					
40					
50					
60					
70	18 H ₂ O	"			110,000
80	}	}			}
90					
100					
110					
120					

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 8-27-84

Test Ticket No. 4981

Recorder No. 13547 Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1619</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>116</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>116</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1287</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>154</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>263</u> P.S.I.			
G Final Closed-in Pressure	<u>1271</u> P.S.I.			
H Final Hydrostatic Mud	<u>1576</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: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 23 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 0	<u>116</u>	0	<u>116</u>	0	<u>154</u>	0	<u>263</u>
P 2 5		3	<u>938</u>	5		3	<u>722</u>
P 3 10		6	<u>1154</u>	10		6	<u>1073</u>
P 4 15		9	<u>1203</u>	15		9	<u>1151</u>
P 5 20		12	<u>1227</u>	20	<u>154</u>	12	<u>1183</u>
P 6 25		15	<u>1240</u>	25	<u>157</u>	15	<u>1200</u>
P 7 30	<u>116</u>	18	<u>1250</u>	30	<u>162</u>	18	<u>1212</u>
P 8 35		21	<u>1258</u>	35	<u>167</u>	21	<u>1220</u>
P 9 40		24	<u>1265</u>	40	<u>173</u>	24	<u>1225</u>
P 10 45		27	<u>1269</u>	45	<u>178</u>	27	<u>1230</u>
P 11 50		30	<u>1273</u>	50	<u>183</u>	30	<u>1235</u>
P 12 55		33	<u>1276</u>	55	<u>190</u>	33	<u>1239</u>
P 13 60		36	<u>1279</u>	60	<u>197</u>	36	<u>1243</u>
P 14		39	<u>1282</u>	65	<u>203</u>	39	<u>1247</u>
P 15		42 1285 <u>1285</u>		70	<u>209</u>	42	<u>1251</u>
P 16		45 <u>1287</u>		75	<u>217</u>	45	<u>1255</u>
P 17		48		80	<u>222</u>	48	<u>1257</u>
P 18		51		85	<u>228</u>	51	<u>1259</u>
P 19		54		90	<u>233</u>	54	<u>1261</u>
P 20		57		95	<u>238</u>	57	<u>1262</u>
		60		100	<u>246</u>	60	<u>1263</u>

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(cont)

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 4981

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.			

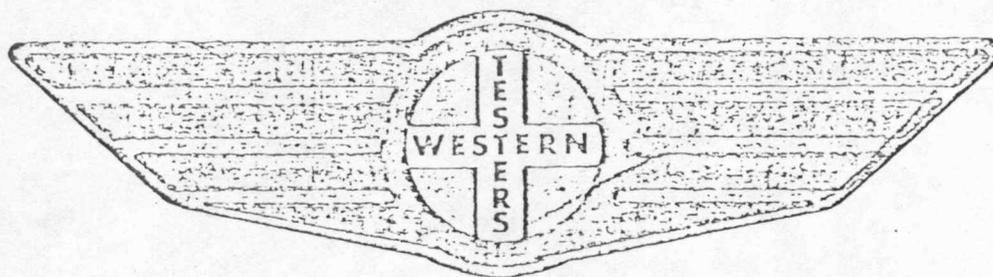
PRESSURE BREAKDOWN

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.
	Press.	Point Minutes	Press.	Point Minutes
P 1 _____		63	105	63
P 2 _____		66	110	66
P 3 _____		69	115	69
P 4 _____		72	120	72
P 5 _____		75		75
P 6 _____		78		78
P 7 _____		81		81
P 8 _____		84		84
P 9 _____		87		87
P10 _____		90		90
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

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/27/84
CUSTOMER: BEREN CORPORATION
WELL: 2 TEST: 1
ELEVATION (KB): 0 FORMATION: ELGIN LIME
SECTION: 27 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 3366 FT TO: 3382 FT TOTAL DEPTH: 3382 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3361 FT SIZE: 6 5/8 IN PACKER DEPTH: 3366 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
MUD TYPE: CHEMICAL VISCOSITY: 50
WEIGHT: 9.1 WATER LOSS (CC): 18.4
CHLORIDES (P.P.M.): 8000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 240 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3105 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 16 FT SIZE: 5 1/2 OD 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST. GAS
TO SURFACE IN 18 MINUTES ON THE
INITIAL FLOW PERIOD. SEE ATTACHED
SHEET FOR GAS MEASUREMENTS.

RECOVERED: 30 FT OF: HEAVY OIL & GAS CUT MUD.
RECOVERED: 930 FT OF: CLEAN GASSY OIL (28 GRAVITY).
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 9:15 AM TIME STARTED OFF BOTTOM: 2:00 PM
WELL TEMPERATURE: 112 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1619 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 116 PSI TO (C) 116 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1287 PSI
FINAL FLOW PERIOD MIN: 115 (E) 154 PSI TO (F) 263 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1271 PSI
FINAL HYDROSTATIC PRESSURE (H) 1576 PSI

GAS FLOW REPORT

Date 8/27/84 Ticket 4981 Company Beren Corporation
 Well Name and No. #2 Parr Dst No. 1 Interval Tested 3366-3382
 County Barber State Kansas Sec. 27 Twp. 31S Rg. 13W

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
Gas to Surface in 18 minutes PRE FLOW					
20 Min	19" water	1"			113,000 C F P D
30 Min	18" water	1"			110,000 C F P D

SECOND FLOW					
5 Min	18" water	1"			110,000 C F P D
10 Min	19" water	1"			113,000 C F P D
20 Min	19" water	1"			113,000 C F P D
30 Min	19" water	1"			113,000 C F P D
40 Min	19" water	1"			113,000 C F P D
50 Min	19" water	1"			113,000 C F P D
60 Min	19" water	1"			113,000 C F P D
70 Min	18" water	1"			110,000 C F P D
80 Min	18" water	1"			110,000 C F P D
90 Min	18" water	1"			110,000 C F P D
100 Min	18" water	1"			110,000 C F P D
110 Min	18" water	1"			110,000 C F P D
120 Min	18" water	1"			110,000 C F P D

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 8/27/84

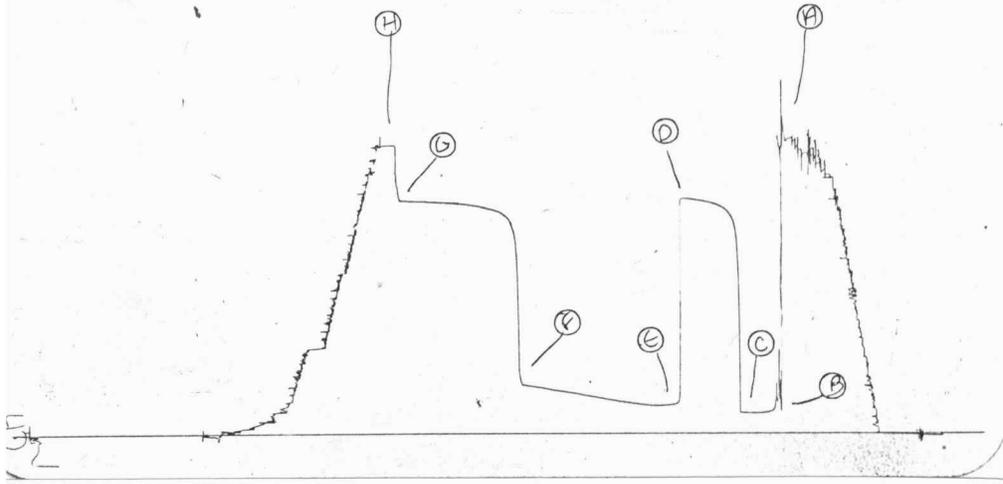
Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By 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 piug 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 Beren Corporation
 Authorized by Robert C Lewellyn

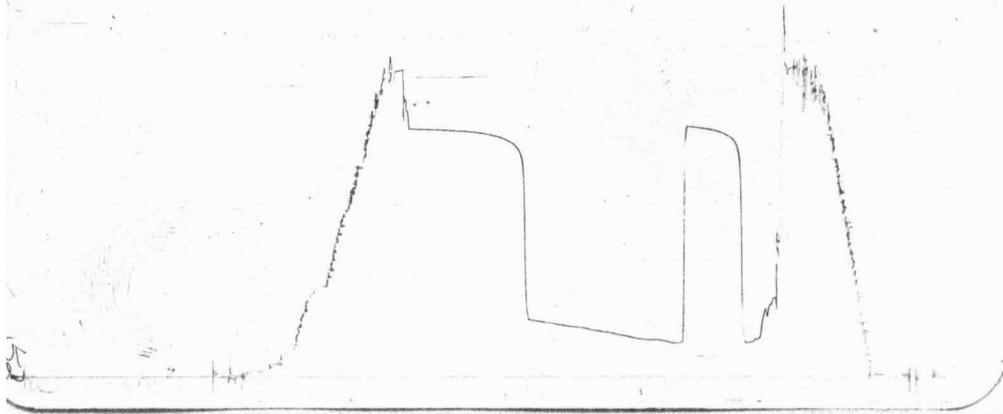
TKC# 4981

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TKC# 4981

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4982

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

Elevation _____ Formation _____ Eff. Pay _____ Ft.

District 12 Pratt Date 8/28/84 Customer Order No. _____
COMPANY NAME Berexco Inc Berex Corporation

ADDRESS 970 Fourth Financial Center Wichita, KS 67202

LEASE AND WELL NO. Parr #2 COUNTY Barber STATE KS Sec. 27 Twp. 31 Rge. 13

Mail Invoice To Same Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 2 Interval Tested From 3583 ft. to 3634 ft. Total Depth 3634 ft.

Packer Depth 3578 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.

Packer Depth 3583 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3595 ft. Recorder Number 13547 Cap. 4225

Bottom Recorder Depth (Outside) 3598 ft. Recorder Number 13552 Cap. 4050

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

Drilling Contractor Berexco Rvg #2 Drill Collar Length 180 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 9.1 Water Loss 18.4 cc. Drill Pipe Length 3382 I. D. 3.8 in.

Chlorides 8,000 P.P.M. Test Tool Length 21 ft. Tool Size 5/200 in.

Jars: Make - Serial Number - Anchor Length 51 ft. Size 5/200 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 FH in.

Blow: Strong blow throughout flow periods

Recovered 90 ft. of Dnls Mud

Recovered 630 ft. of Gassy Salt Water

Recovered - ft. of

Recovered - ft. of

Chlorides 124,000 P.P.M. Sample Jars used - Remarks: Title Hole

Time On Location 5:00 A.M. Time Pick Up Tool 6:00 P.M. Time Off Location 3:00 A.M.

Time Set Packer(s) 7:30 A.M. Time Started Off Bottom 12:15 P.M. Maximum Temperature 1150

Initial Hydrostatic Pressure (A) 1756 P.S.I.

Initial Flow Period Minutes 30 (B) 127 P.S.I. to (C) 169 P.S.I.

Initial Closed In Period Minutes 45 (D) 1178 P.S.I.

Final Flow Period Minutes 120 (E) 233 P.S.I. to (F) 402 P.S.I.

Final Closed In Period Minutes 90 (G) 1178 P.S.I.

Final Hydrostatic Pressure (H) 1735 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 Jim Worke Thank You 2376

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 8-28-84

Test Ticket No. 4982

Recorder No. 13547 Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1740</u>	P.S.I.		
B First Initial Flow Pressure	<u>125</u>	P.S.I.	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>164</u>	P.S.I.	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1172</u>	P.S.I.	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>236</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>399</u>	P.S.I.		
G Final Closed-in Pressure	<u>1175</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1740</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 8 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 17 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 24 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 0	<u>125</u>	0	<u>164</u>	0	<u>236</u>	0	<u>399</u>
P 2 5	<u>125</u>	3	<u>812</u>	5		3	<u>892</u>
P 3 10	<u>125</u>	6	<u>907</u>	10		6	<u>961</u>
P 4 15	<u>127</u>	9	<u>966</u>	15		9	<u>1001</u>
P 5 20	<u>135</u>	12	<u>1013</u>	20	<u>236</u>	12	<u>1038</u>
P 6 25	<u>146</u>	15	<u>1046</u>	25	<u>242</u>	15	<u>1064</u>
P 7 30	<u>159</u>	18	<u>1079</u>	30	<u>248</u>	18	<u>1081</u>
P 8 35	<u>164</u>	21	<u>1103</u>	35	<u>255</u>	21	<u>1096</u>
P 9 40		24	<u>1115</u>	40	<u>266</u>	24	<u>1107</u>
P 10 45		27	<u>1128</u>	45	<u>275</u>	27	<u>1117</u>
P 11 50		30	<u>1138</u>	50	<u>285</u>	30	<u>1124</u>
P 12 55		33	<u>1147</u>	55	<u>294</u>	33	<u>1129</u>
P 13 60		36	<u>1152</u>	60	<u>305</u>	36	<u>1134</u>
P 14		39	<u>1157</u>	65	<u>315</u>	39	<u>1139</u>
P 15		42	<u>1162</u>	70	<u>324</u>	42	<u>1144</u>
P 16		45	<u>1167</u>	75	<u>335</u>	45	<u>1148</u>
P 17		48	<u>1172</u>	80	<u>343</u>	48	<u>1151</u>
P 18		51		85	<u>351</u>	51	<u>1154</u>
P 19		54		90	<u>360</u>	54	<u>1157</u>
P 20		57		95	<u>369</u>	57	<u>1160</u>
		60		100	<u>378</u>	60	<u>1163</u>

(cont.)

(cont.)

WESTERN TESTING CO., INC.

Pressure Data

4982
4682

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.			

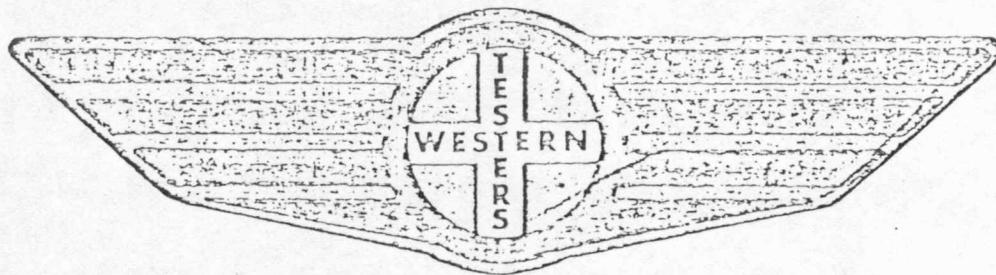
PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
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		63		105	386	63	1165
P 2		66		110	394	66	1167
P 3		69		115	399	69	1169
P 4		72		120		72	1171
P 5		75				75	1172
P 6		78				78	1173
P 7		81				81	1174
P 8		84				84	1175
P 9		87				87	1175
P10		90				90	1175
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	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/28/84
CUSTOMER: BEREN CORPORATION
WELL: 2 TEST: 2
ELEVATION (KB): 0 FORMATION:
SECTION: 27 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 3583 FT TO: 3634 FT TOTAL DEPTH: 3634 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3578 FT SIZE: 6 5/8 IN PACKER DEPTH: 3583 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
MUD TYPE: CHEMICAL VISCOSITY: 50
WEIGHT: 9.1 WATER LOSS (CC): 18.4
CHLORIDES (P.P.M.): 8000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3382 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 51 FT SIZE: 5 1/2 OD 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.

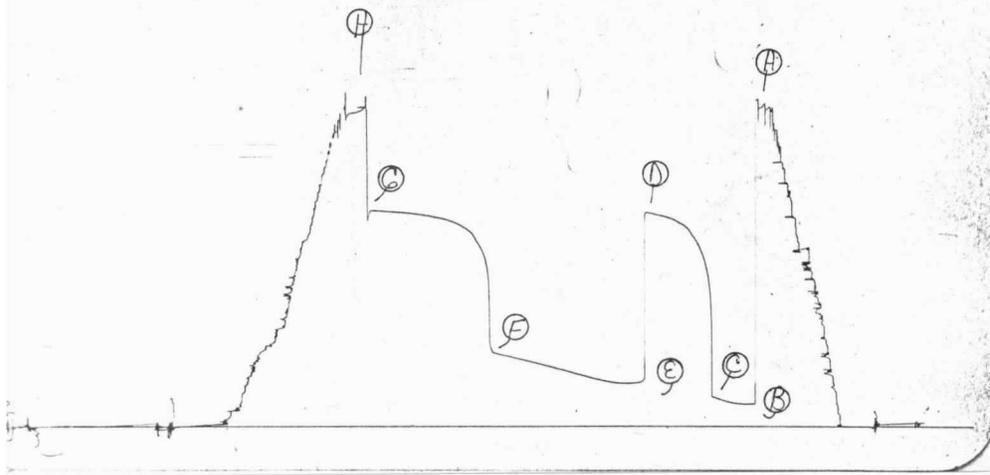
RECOVERED: 90 FT OF: DRILLING MUD.
RECOVERED: 630 FT OF: GASSY SALT WATER.
RECOVERED: FT OF: CHLORIDES 124000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 7:30 AM TIME STARTED OFF BOTTOM: 12:15 PM
WELL TEMPERATURE: 115 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1740 PSI
INITIAL FLOW PERIOD MIN: 35 (B) 125 PSI TO (C) 164 PSI
INITIAL CLOSED IN PERIOD MIN: 48 (D) 1172 PSI
FINAL FLOW PERIOD MIN: 115 (E) 236 PSI TO (F) 399 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1175 PSI
FINAL HYDROSTATIC PRESSURE (H) 1740 PSI

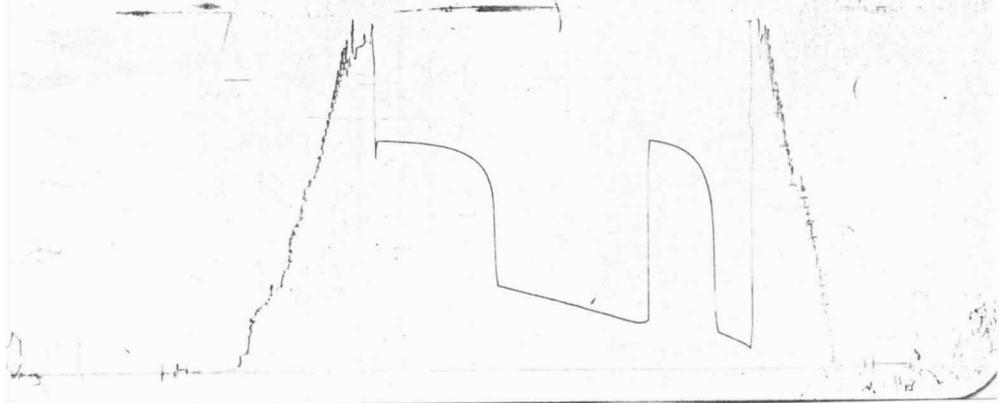
TKT # 4982

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TKT # 4982

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4983

P. O. BOX 1599 PHONE (316) 262-5861

Elevation _____ Formation _____ Eff. Pay _____ Ft.

WICHITA, KANSAS 67201

District Pratt Date 8/29/84 Customer Order No. _____
COMPANY NAME Beredco Inc Berden Corporation

ADDRESS 970 Fourth Financial Center Wichita, Ks 67202

LEASE AND WELL NO. Parr #2 COUNTY Barber STATE Ks Sec. 27 Twp. 31 Rge. 13

Mail Invoice To Same Co. Name _____ Address _____ No. Copies Requested 5

Mail Charts To Same Co. Name _____ Address _____ No. Copies Requested 5

Formation Test No. 3 Interval Tested From 3677 ft. to 3692 ft. Total Depth 3692 ft.

Packer Depth 3672 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3677 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3682 ft. Recorder Number 13547 Cap. 4225

Bottom Recorder Depth (Outside) 3685 ft. Recorder Number 13552 Cap. 4050

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

Drilling Contractor Beredco Rig #2 Drill Collar Length 210 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 57 Weight Pipe Length _____ I. D. _____ in.

Weight 9.0 Water Loss 186 cc. Drill Pipe Length 3446 I. D. 3.8 in.

Chlorides 12,000 P.P.M. Test Tool Length 21 ft. Tool Size 5/200 in.

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

Did Well Flow? No 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 FH in.

Blow: Weak blow died in 15 min on first flow period

No blow on second flow period

Recovered _____ ft. of Only Mud

Recovered _____ ft. of _____

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

Time On Location 11:00 A.M. Time Pick Up Tool 12:30 P.M. Time Off Location 4:30 P.M.

Time Set Packer(s) 12:30 A.M. Time Started Off Bottom 2:30 P.M. Maximum Temperature 115°

Initial Hydrostatic Pressure _____ (A) 1787 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 42 P.S.I. to (C) 42 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 42 P.S.I.

Final Flow Period _____ Minutes 30 (E) 31 P.S.I. to (F) 31 P.S.I.

Final Closed In Period _____ Minutes 30 (G) 31 P.S.I.

Final Hydrostatic Pressure _____ (H) 1766 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.

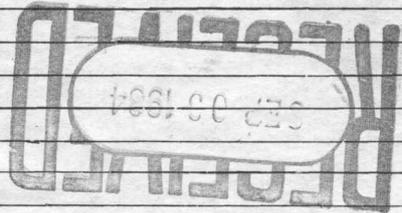
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By _____
Signature of Customer or his authorized representative

Western Representative Jim Woods Thank You
2226

FIELD INVOICE

Open Hole Test	\$ <u>550</u>
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 8-29-84

Test Ticket No. 4983

Recorder No. 13547 Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud <u>1813</u>	P.S.I.	Open Tool		M
B First Initial Flow Pressure <u>38</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure <u>38</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure <u>38</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure <u>38</u>	P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure <u>38</u>	P.S.I.			
G Final Closed-in Pressure <u>38</u>	P.S.I.			
H Final Hydrostatic Mud <u>1788</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: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

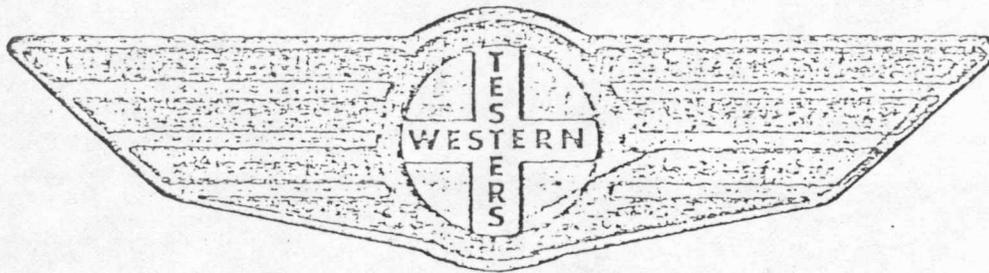
Final Shut-In
Breakdown: 11 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>38</u>	0	<u>38</u>	0	<u>38</u>	0	<u>38</u>
P 2 5		3		5		3	
P 3 10		6		10		6	
P 4 15		9		15		9	
P 5 20		12		20		12	
P 6 25		15		25		15	
P 7 30	<u>38</u>	18		30	<u>38</u>	18	
P 8 35		21		35		21	
P 9 40		24		40		24	
P 10 45		27		45		27	
P 11 50		30	<u>38</u>	50		30	<u>38</u>
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14		39		65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

BEREN CORPORATION
Company _____ Lease and Well No. #2 PARR
Sec. 27 Twp. 31S Rge. 13W Test No. 3 Date 8/29/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/29/84 TICKET #4983
CUSTOMER: BEREN CORPORATION LEASE: PARR
WELL: 2 TEST: 3 GEOLOGIST: LEWELLYN
ELEVATION (KB): 0 FORMATION:
SECTION: 27 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 3677 FT TO: 3692 FT TOTAL DEPTH: 3692 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3672 FT SIZE: 6 5/8 IN PACKER DEPTH: 3677 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
MUD TYPE: CHEMICAL VISCOSITY: 57
WEIGHT: 9.0 WATER LOSS (CC): 18.6
CHLORIDES (P.P.M.): 12000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 210 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3446 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 15 FT SIZE: 5 1/2 OD 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW.
DIED IN 15 MINUTES.
FINAL FLOW PERIOD NO BLOW.

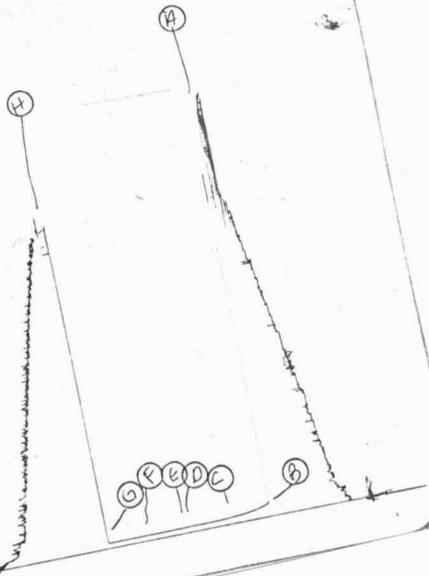
RECOVERED: 1 FT OF: DRILLING MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 12:30 AM TIME STARTED OFF BOTTOM: 2:30 AM
WELL TEMPERATURE: 115 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1813 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 38 PSI TO (C) 38 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 38 PSI
FINAL FLOW PERIOD MIN: 30 (E) 38 PSI TO (F) 38 PSI
FINAL CLOSED IN PERIOD MIN: 30 (G) 38 PSI
FINAL HYDROSTATIC PRESSURE (H) 1788 PSI

TRC# 4983

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TRC# 4983

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4984

P. O. BOX 1599 PHONE (316) 262-5861

Elevation Formation R.C. Eff. Pay Ft.

WICHITA, KANSAS 67201

District Pratt Date 8/29/84 Customer Order No.

COMPANY NAME Berexco Inc Berex Corporation

ADDRESS 970 Fourth Financial Center Wichita, Ks 67202

LEASE AND WELL NO. Parr #2 COUNTY Barber STATE Ks Sec. 27 Twp. 31 Rge. 13 W

Mail Invoice To Same Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 4 Interval Tested From 3744 ft. to 3775 ft. Total Depth 3775 ft.
Packer Depth 3739 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.
Packer Depth 3744 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

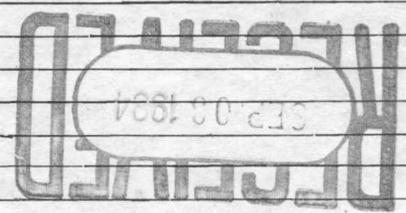
Top Recorder Depth (Inside) 3765 ft. Recorder Number 13547 Cap. 4225
Bottom Recorder Depth (Outside) 3768 ft. Recorder Number 13552 Cap. 4050
Below Saddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Berexco Rig #2 Drill Collar Length 210 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 50 Weight Pipe Length - I. D. - in.
Weight 9.0 Water Loss 16.0 cc. Drill Pipe Length 3513 I. D. 3.8 in.
Chlorides 11,000 P.P.M. Test Tool Length 21 ft. Tool Size 5/200 in.
Jars: Make - Serial Number - Anchor Length 31 ft. Size 5/200 in.
Did Well Flow? No 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 FH in.

Blow: Weak blow died in 28 min on first flow period
No blow on second flow period

Recovered 20 ft. of Dnlg Mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

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



Time On Location 12:00 A.M. P.M. Time Pick Up Tool 12:30 A.M. P.M. Time Off Location 6:00 A.M. P.M.
Time Set Packer(s) 1:40 A.M. P.M. Time Started Off Bottom 4:10 A.M. P.M. Maximum Temperature 116.0
Initial Hydrostatic Pressure (A) 1819 P.S.I.
Initial Flow Period Minutes 30 (B) 52 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period Minutes 45 (D) 74 P.S.I.
Final Flow Period Minutes 30 (E) 52 P.S.I. to (F) 52 P.S.I.
Final Closed In Period Minutes 45 (G) 52 P.S.I.
Final Hydrostatic Pressure (H) 1789 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 Jim Warden Thank You 2376

FIELD INVOICE
Open Hole Test \$ 550
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 8-29-84

Test Ticket No. 4984

Recorder No. 13547 Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1845</u> P.S.I.		
B First Initial Flow Pressure	<u>44</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>44</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>68</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>43</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>43</u> P.S.I.		
G Final Closed-in Pressure	<u>43</u> P.S.I.		
H Final Hydrostatic Mud	<u>1809</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: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

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

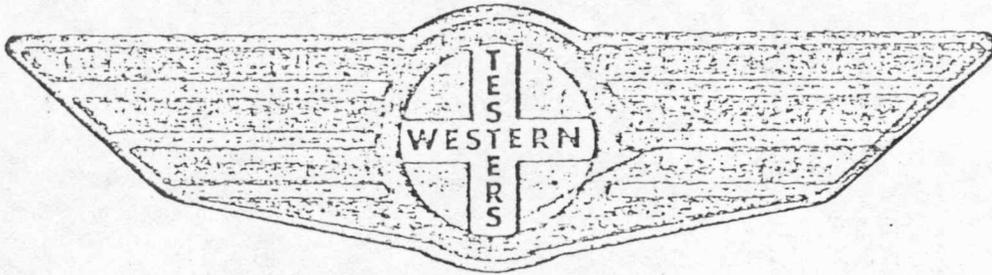
Final Shut-In
Breakdown: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>44</u>	0	<u>44</u>	0	<u>43</u>	0	<u>43</u>
P 2 5		3		5		3	
P 3 10		6		10		6	
P 4 15		9		15		9	
P 5 20		12		20		12	
P 6 25		15	<u>44</u>	25		15	<u>43</u>
P 7 30	<u>44</u>	18	<u>45</u>	30	<u>43</u>	18	<u>43</u>
P 8 35		21	<u>46</u>	35		21	
P 9 40		24	<u>47</u>	40		24	
P 10 45		27	<u>48</u>	45		27	
P 11 50		30	<u>50</u>	50		30	<u>43</u>
P 12 55		33	<u>53</u>	55		33	
P 13 60		36	<u>56</u>	60		36	
P 14		39	<u>60</u>	65		39	
P 15		42	<u>64</u>	70		42	
P 16		45	<u>68</u>	75		45	<u>43</u>
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company BEREN CORPORATION Lease and Well No. #2 PARR Sec. 27 Twp. 31S Rge. 13W Test No. 4 Date 8/29/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/29/84
 CUSTOMER: BEREN CORPORATION
 WELL: 2 TEST: 4
 ELEVATION (KB): 0 FORMATION: KANSAS CITY
 SECTION: 27 TOWNSHIP: 31S
 RANGE: 13W COUNTY: BARBER STATE: KANSAS
 GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 3744 FT TO: 3775 FT TOTAL DEPTH: 3775 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 3739 FT SIZE: 6 5/8 IN PACKER DEPTH: 3744 FT SIZE: 6 5/8 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
 MUD TYPE: CHEMICAL VISCOSITY: 50
 WEIGHT: 9.0 WATER LOSS (CC): 16.0
 CHLORIDES (P.P.M.): 11000
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? NO
 DRILL COLLAR LENGTH: 210 FT I.D.: 2.25 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 3513 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
 ANCHOR LENGTH: 31 FT SIZE: 5 1/2 OD 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 FH IN

BLOW: INITIAL FLOW PERIOD WEAK BLOW.
 DIED IN 28 MINUTES.
 FINAL FLOW PERIOD NO BLOW.

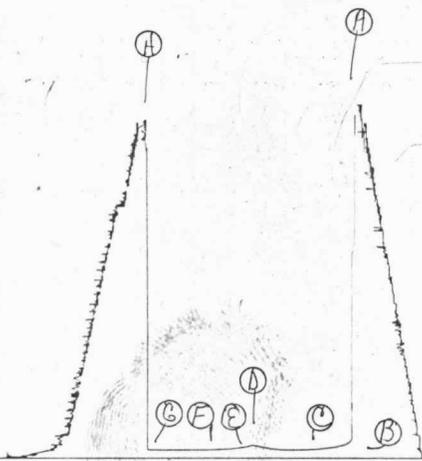
RECOVERED: 20 FT OF: DRILLING MUD.
 RECOVERED: FT OF:
 RECOVERED: FT OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 1:40 PM TIME STARTED OFF BOTTOM: 4:10 PM
 WELL TEMPERATURE: 116 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 1845 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 44 PSI TO (C) 44 PSI
 INITIAL CLOSED IN PERIOD MIN: 45 (D) 68 PSI
 FINAL FLOW PERIOD MIN: 30 (E) 43 PSI TO (F) 43 PSI
 FINAL CLOSED IN PERIOD MIN: 45 (G) 43 PSI
 FINAL HYDROSTATIC PRESSURE (H) 1809 PSI

TKT# 4984

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TKT# 4984

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4985

P. O. BOX 1599 WICHITA, KANSAS 67201 PHONE (316) 262-5861 Elevation Formation Eff. Pay Ft.

District Pratt Date 8/30/84 Customer Order No.
COMPANY NAME Berexco Inc Berex Corporation
ADDRESS 970 Fourth Financial Center Wichita, KS 67202
LEASE AND WELL NO. Parr #2 COUNTY Barber STATE KS Sec. 27 Twp. 31 Rge. 13W
Mail Invoice To Same Co. Name Address No. Copies Requested 5
Mail Charts To Same Address No. Copies Requested 5

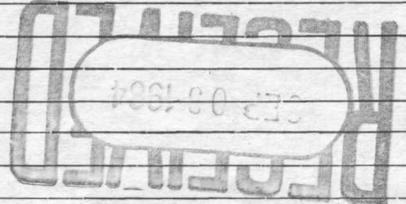
Formation Test No. 5 Interval Tested From 3959 ft. to 3975 ft. Total Depth 3975 ft.
Packer Depth 3954 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.
Packer Depth 3959 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3965 ft. Recorder Number 13547 Cap. 4225
Bottom Recorder Depth (Outside) 3968 ft. Recorder Number 13552 Cap. 4050
Below Scaddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Berexco Rig #2 Drill Collar Length 210 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 49 Weight Pipe Length - I. D. - in.
Weight 9.0 Water Loss 15.6 cc. Drill Pipe Length 3728 I. D. 3.8 in.
Chlorides 10,500 P.P.M. Test Tool Length 21 ft. Tool Size 5/200 in.
Jars: Make - Serial Number - Anchor Length 16 ft. Size 5/200 in.
Did Well Flow? Yes 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 FH in.

Blow: Strong blow throughout flow periods
Gas to surface in 1 min on second flow

Recovered 90 ft. of Slip Oil & Gas Cut Mud (57% oil)
Recovered 110 ft. of Muddy Water (Scum of oil)
Recovered - ft. of
Recovered - ft. of
Recovered - ft. of

Chlorides 100,000 P.P.M. Sample Jars used - Remarks: Tite Hole



Time On Location 5:30 A.M. Time Pick Up Tool 6:00 A.M. Time Off Location 3:00 A.M.
Time Set Packer(s) 7:40 A.M. Time Started Off Bottom 12:25 A.M. Maximum Temperature 119.0 P.M.
Initial Hydrostatic Pressure (A) 1976 P.S.I.
Initial Flow Period (B) 30 Minutes (C) 52 P.S.I. to (D) 52 P.S.I.
Initial Closed In Period (E) 45 Minutes (F) 1420 P.S.I.
Final Flow Period (G) 120 Minutes (H) 95 P.S.I. to (I) 95 P.S.I.
Final Closed In Period (J) 90 Minutes (K) 1483 P.S.I.
Final Hydrostatic Pressure (L) 1955 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: Jim Wondra Thank You 2376.

FIELD INVOICE

Open Hole Test \$ 55.00
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: 8-30-84 Test Ticket No. 4985
 Recorder No. 13547 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1980</u> P.S.I.		M
B First Initial Flow Pressure	<u>49</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>49</u> P.S.I.	<u>45</u> Mins.	<u>51</u> Mins.
D Initial Closed-in Pressure	<u>1421</u> P.S.I.	<u>120</u> Mins.	<u>110</u> Mins.
E Second Initial Flow Pressure	<u>85</u> P.S.I.	<u>90</u> Mins.	<u>99</u> Mins.
F Second Final Flow Pressure	<u>89</u> P.S.I.		
G Final Closed-in Pressure	<u>1480</u> P.S.I.		
H Final Hydrostatic Mud	<u>1941</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>23</u> Inc.		Breakdown: <u>34</u> 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	<u>49</u>	0	<u>49</u>	0	<u>85</u>	0	<u>89</u>
P 2		3	<u>91</u>	5		3	<u>141</u>
P 3		6	<u>258</u>	10		6	<u>375</u>
P 4		9	<u>421</u>	15		9	<u>650</u>
P 5		12	<u>588</u>	20		12	<u>869</u>
P 6		15	<u>728</u>	25		15	<u>1096</u>
P 7	<u>49</u>	18	<u>859</u>	30		18	<u>1172</u>
P 8		21	<u>969</u>	35		21	<u>1229</u>
P 9		24	<u>1066</u>	40		24	<u>1273</u>
P 10		27	<u>1142</u>	45		27	<u>1309</u>
P 11		30	<u>1196</u>	50		30	<u>1336</u>
P 12		33	<u>1245</u>	55		33	<u>1361</u>
P 13		36	<u>1292</u>	60		36	<u>1378</u>
P 14		39	<u>1338</u>	65		39	<u>1392</u>
P 15		42	<u>1376</u>	70		42	<u>1402</u>
P 16		45	<u>1395</u>	75		45	<u>1413</u>
P 17		48	<u>1414</u>	80		48	<u>1424</u>
P 18		51	<u>1421</u>	85	<u>85</u>	51	<u>1431</u>
P 19		54		90	<u>86</u>	54	<u>1436</u>
P 20		57		<u>95</u>	<u>87</u>	57	<u>1441</u>
		60		<u>100</u>	<u>88</u>	60	<u>1446</u>

(cont)

(cont)

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 4985

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.			

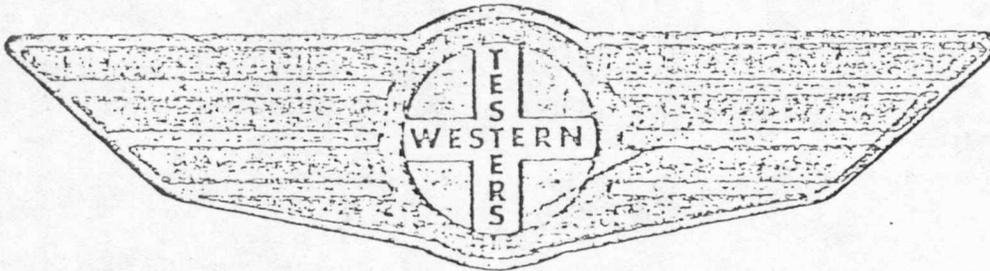
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1		63		105	89	63	1450
P 2		66		110	89	66	1454
P 3		69		115		69	1458
P 4		72		120		72	1462
P 5		75				75	1465
P 6		78				78	1467
P 7		81				81	1469
P 8		84				84	1471
P 9		87				87	1473
P10		90				90	1475
P11		93				93	1477
P12		96				96	1479
P13		99				99	1480
P14		102				102	
P15		105				105	
P16		108				108	
P17		111				111	
P18		114				114	
P19		117				117	
P20		120				120	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/30/84
 CUSTOMER: BEREN CORPORATION
 WELL: 2 TEST: 5
 ELEVATION (KB): 0 FORMATION:
 SECTION: 27 TOWNSHIP: 31S
 RANGE: 13W COUNTY: BARBER STATE: KANSAS
 GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 3959 FT TO: 3975 FT TOTAL DEPTH: 3975 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 3954 FT SIZE: 6 5/8 IN PACKER DEPTH: 3959 FT SIZE: 6 5/8 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
 MUD TYPE: CHEMICAL VISCOSITY: 49
 WEIGHT: 9.0 WATER LOSS (CC): 15.6
 CHLORIDES (P.P.M.): 10500
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? YES REVERSED OUT? NO
 DRILL COLLAR LENGTH: 210 FT I.D.: 2.25 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 3728 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
 ANCHOR LENGTH: 16 FT SIZE: 5 1/2 OD 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST. GAS
 TO SURFACE IN 7 MINUTES ON THE
 FINAL FLOW PERIOD. SEE ATTACHED
 SHEET FOR GAS MEASUREMENTS.

RECOVERED: 90 FT OF: SLIGHTLY OIL & GAS CUT MUD (5% OIL).
 RECOVERED: 110 FT OF: MUDDY WATER (SCUM OF OIL).
 RECOVERED: FT OF: CHLORIDES 100000 PPM.
 RECOVERED: FT OF:
 RECOVERED: FT OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 7:40 AM TIME STARTED OFF BOTTOM: 12:25 PM
 WELL TEMPERATURE: 119 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 1980 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 49 PSI TO (C) 49 PSI
 INITIAL CLOSED IN PERIOD MIN: 51 (D) 1421 PSI
 FINAL FLOW PERIOD MIN: 110 (E) 85 PSI TO (F) 89 PSI
 FINAL CLOSED IN PERIOD MIN: 99 (G) 1480 PSI
 FINAL HYDROSTATIC PRESSURE (H) 1941 PSI

WESTERN TESTING CO. INC.
GAS FLOW REPORT

DATE: 8/30/84
CUSTOMER: BEREN CORPORATION
WELL: 2 TEST: 5
ELEVATION (KB): 0 FORMATION:
SECTION: 27 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12
TICKET #4985
LEASE: PARR
GEOLOGIST: LEWELLYN

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

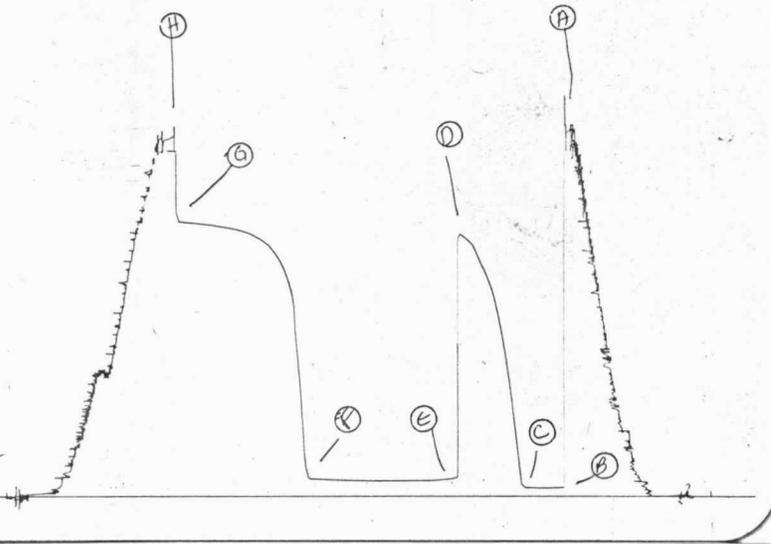
SECOND FLOW

10	MERLA	1/4	10" WTR	5320 CFPD
20			12	5860
30			12	5860
40			12	5860
50			12	5860
60			14	6330
70			14	6330
80			14	6330
90			17	6930
100			17	6930
110			17	6930
120			17	6930

GAS BOTTLE SN #:
DATE BOTTLE FILLED:
DATE TO BE INVOICED:

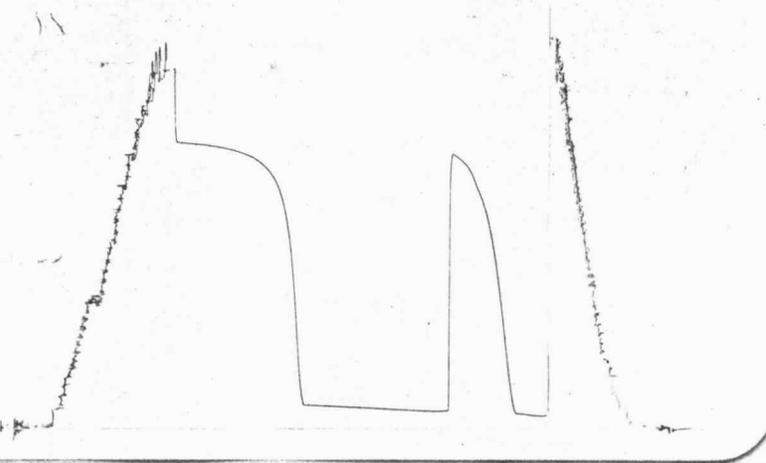
TKC# 4985

I



TKC# 4985

O





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4986

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

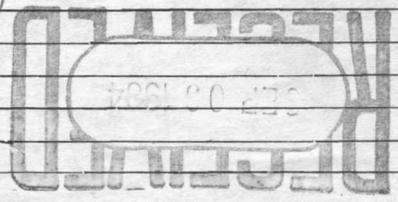
Elevation Formation Eff. Pay Ft.

District 12 Pratt Date 8/31/84 Customer Order No.
COMPANY NAME Benefico Inc. Green Cooperation
ADDRESS 970 Fourth Financial Center Wichita, KS 67202
LEASE AND WELL NO. Parr #2 COUNTY Barberen STATE KS Sec. 27 Twp. 31 Rge. 136
Mail Invoice To Same Co. Name Address No. Copies Requested 5
Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 6 Interval Tested From 4060 ft. to 4140 ft. Total Depth 4140 ft.
Packer Depth 4055 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.
Packer Depth 4060 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 4071 ft. Recorder Number 13547 Cap. 4225
Bottom Recorder Depth (Outside) 4074 ft. Recorder Number 13552 Cap. 4050
Below Scradle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Benefico Rig #2 Drill Collar Length 150 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 44 Weight Pipe Length - I. D. - in.
Weight 9.1 Water Loss 13.6 cc. Drill Pipe Length 3889 I. D. 3.8 in.
Chlorides 10,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 00 in.
Jars: Make - Serial Number - Anchor Length 80 ft. Size 5 1/2 00 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 FH in.

Blow: Strong blow throughout flow periods

Recovered 120 ft. of Sl. Oil + Gas Cut Mud (5' tool)
Recovered 150 ft. of Gassy Salt Water
Recovered 810 ft. of Gas in Pipe
Recovered - ft. of
Recovered - ft. of
Chlorides 53,000 P.P.M. Sample Jars used - Remarks: Tight Hole



Time On Location 2:00 A.M. Time Pick Up Tool 3:00 A.M. Time Off Location 12:00 A.M.
Time Set Packer(s) 4:40 A.M. Time Started Off Bottom 9:25 A.M. Maximum Temperature 121° P.M.
Initial Hydrostatic Pressure (A) 2050 P.S.I.
Initial Flow Period Minutes 30 (B) 95 P.S.I. to (C) 95 P.S.I.
Initial Closed In Period Minutes 45 (D) 1378 P.S.I.
Final Flow Period Minutes 120 (E) 127 P.S.I. to (F) 148 P.S.I.
Final Closed In Period Minutes 90 (G) 1399 P.S.I.
Final Hydrostatic Pressure (H) 2029 P.S.I.

COMPANY TERMS

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Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative Jim Worsha Thank You 2326

FIELD INVOICE

Open Hole Test \$ 5155-
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 8-31-84

Test Ticket No. 4986

Recorder No. 13547

Capacity _____ Location _____ Ft. _____

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2042</u> P.S.I.		
B First Initial Flow Pressure	<u>96</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>96</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1380</u> P.S.I.	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>122</u> P.S.I.	<u>90</u> Mins.	<u>99</u> Mins.
F Second Final Flow Pressure	<u>146</u> P.S.I.		
G Final Closed-in Pressure	<u>1397</u> P.S.I.		
H Final Hydrostatic Mud	<u>2019</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: 16 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 34 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 0	<u>96</u>	0	<u>96</u>	0	<u>122</u>	0	<u>146</u>
P 2 5		3	<u>119</u>	5		3	<u>181</u>
P 3 10		6	<u>309</u>	10		6	<u>321</u>
P 4 15		9	<u>587</u>	15		9	<u>503</u>
P 5 20		12	<u>818</u>	20		12	<u>647</u>
P 6 25		15	<u>957</u>	25		15	<u>767</u>
P 7 30	<u>96</u>	18	<u>1049</u>	30		18	<u>922</u>
P 8 35		21	<u>1124</u>	35		21	<u>982</u>
P 9 40		24	<u>1179</u>	40		24	<u>1038</u>
P 10 45		27	<u>1228</u>	45	<u>122</u>	27	<u>1080</u>
P 11 50		30	<u>1264</u>	50	<u>123</u>	30	<u>1115</u>
P 12 55		33	<u>1298</u>	55	<u>123</u>	33	<u>1147</u>
P 13 60		36	<u>1318</u>	60	<u>124</u>	36	<u>1173</u>
P 14		39	<u>1349</u>	65	<u>125</u>	39	<u>1197</u>
P 15		42	<u>1366</u>	70	<u>127</u>	42	<u>1221</u>
P 16		45	<u>1380</u>	75	<u>129</u>	45	<u>1237</u>
P 17		48		80	<u>131</u>	48	<u>1254</u>
P 18		51		85	<u>133</u>	51	<u>1270</u>
P 19		54		90	<u>136</u>	54	<u>1284</u>
P 20		57		95	<u>139</u>	57	<u>1297</u>
		60		100	<u>141</u>	60	<u>1307</u>

(cont.)

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 4986

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.
	Press.	Point Minutes	Press.	Point Minutes
P 1 _____	_____	63	_____	63
P 2 _____	_____	66	_____	66
P 3 _____	_____	69	_____	69
P 4 _____	_____	72	_____	72
P 5 _____	_____	75	_____	75
P 6 _____	_____	78	_____	78
P 7 _____	_____	81	_____	81
P 8 _____	_____	84	_____	84
P 9 _____	_____	87	_____	87
P10 _____	_____	90	_____	90
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

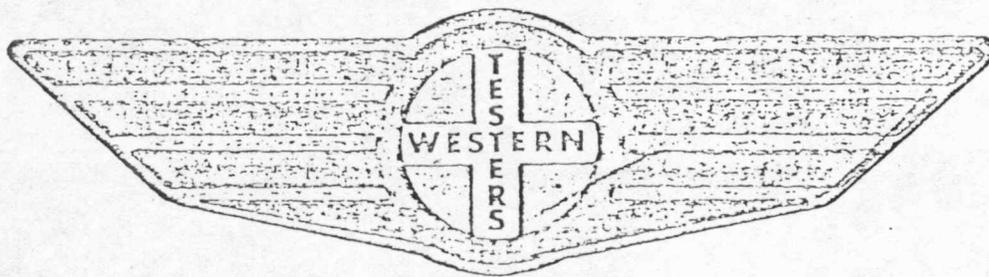
Handwritten pressure breakdown data:

Point Minutes	Press.
105	143
110	145
115	146
1317	1317
1327	1327
1337	1337
1347	1347
1356	1356
1365	1365
1374	1374
1379	1379
1383	1383
1387	1387
1381	1381
1394	1394
1397	1397

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company BEREN CORPORATION Lease and Well No. #2 PARR Sec. 27 Twp. 31S Rge. 13W Test No. 6 Date 8/31/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/31/84
CUSTOMER: BEREN CORPORATION
WELL: 2 TEST: 6
ELEVATION (KB): 0 FORMATION:
SECTION: 27 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

TICKET #4986
LEASE: PARR
GEOLOGIST: LEWELLYN

INTERVAL TEST FROM: 4060 FT TO: 4140 FT TOTAL DEPTH: 4140 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4055 FT SIZE: 6 5/8 IN PACKER DEPTH: 4060 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
MUD TYPE: CHEMICAL VISCOSITY: 44
WEIGHT: 9.1 WATER LOSS (CC): 13.6
CHLORIDES (P.P.M.): 10000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 150 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3889 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 80 FT SIZE: 5 1/2 OD 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST.

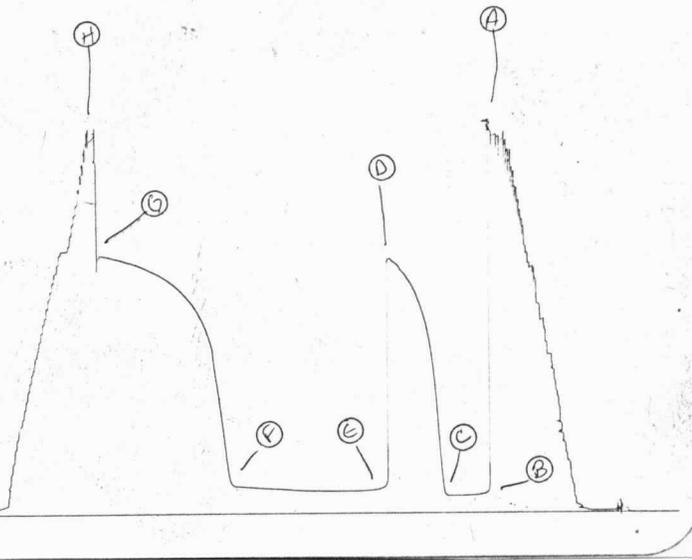
RECOVERED: 120 FT OF: SLIGHTLY OIL & GAS CUT MUD (5% OIL).
RECOVERED: 150 FT OF: GASSY SALT WATER.
RECOVERED: 810 FT OF: GAS IN PIPE.
RECOVERED: FT OF: CHLORIDES 53000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 4:40 AM TIME STARTED OFF BOTTOM: 9:25 AM
WELL TEMPERATURE: 121 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2042 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 96 PSI TO (C) 96 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1380 PSI
FINAL FLOW PERIOD MIN: 115 (E) 122 PSI TO (F) 146 PSI
FINAL CLOSED IN PERIOD MIN: 99 (G) 1397 PSI
FINAL HYDROSTATIC PRESSURE (H) 2019 PSI

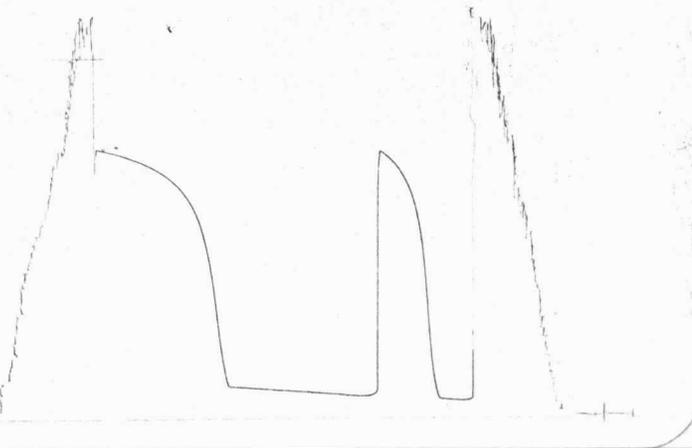
TC# 4986

I



TC# 4986

O





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4987

OK

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

Elevation Formation Eff. Pay Ft.

COMPANY NAME Beredco Fine Corporation District Pratt Date 8/31/84 Customer Order No.

ADDRESS 970 Fourth Financial Center Wichita, Ks 67202

LEASE AND WELL NO. Parr #2 COUNTY Barber STATE Ks Sec. 27 Twp. 31 Rge. 13W

Mail Invoice To Same #2 PARR Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 7 Interval Tested From 4138 ft. to 4175 ft. Total Depth 4175 ft.

Packer Depth 4133 ft. Size 6 5/8 in. Packer Depth 4138 ft. Size 6 5/8 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4165 ft. Recorder Number 13547 Cap. 4225

Bottom Recorder Depth (Outside) 4168 ft. Recorder Number 13582 Cap. 4050

Below Saddle Recorder Depth Recorder Number Cap.

Drilling Contractor Beredco Rig #2 Drill Collar Length 210 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 44 Weight Pipe Length 3907 I. D. 3.8 in.

Weight 9.1 Water Loss 13.6 cc. Drill Pipe Length 21 Tool Size 5 1/2 OD in.

Chlorides 10,000 P.P.M. Test Tool Length 21 ft. Anchor Length 37 ft. Size 5 1/2 OD in.

Jars: Make Reversed Out No Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.

Did Well Flow? Yes Reversed Out No Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout flow periods Gas to surface in 6 min on second flow

Recovered 240 ft. of Gas Cut Mud (Scum of oil)

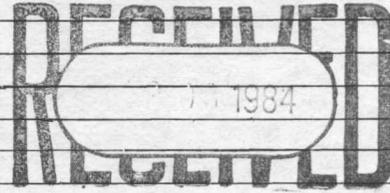
Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used 1/2 Remarks: Foto Hole



Time On Location 6:30 A.M. Time Pick Up Tool 7:00 P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 8:45 A.M. Time Started Off Bottom 11:30 P.M. Maximum Temperature 121.0

Initial Hydrostatic Pressure (A) 2114 P.S.I.

Initial Flow Period (B) 30 Minutes (C) 84 P.S.I. to (D) 1493 P.S.I.

Initial Closed In Period (E) 45 Minutes (F) 116 P.S.I.

Final Flow Period (G) 120 Minutes (H) 1472 P.S.I.

Final Closed In Period (H) 90 Minutes (H) 2093 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] 2376 Signature of Customer or his authorized representative

Western Representative Jim Worden Thank You

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test (\$595.00), Misc, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, TOTAL (\$595.00).



Nº 3879

GAS FLOW REPORT

Date 8/31/84 Ticket 4987 Company Benetco Inc
 Well Name and No. Parr #2 Dst No. 7 Interval Tested 4138-4175
 County Barber State KS Sec. 27 Twp. 31 Rg. 13

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
--------------------	-------------------------------------	-----------------	------------------------	------------------------------	---------------------

PRE FLOW

SECOND FLOW

Gas to surface in 6 min

10	14 H ₂ O	1/4"			6,330 C.F.P.D
20	8 "				4,760 "
30					
40					
50					
60					
70					
80					
90					
100					
110					
120					

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 8-31-84

Test Ticket No. 4987

Recorder No. 13547 Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2111</u> P.S.I.		
B First Initial Flow Pressure	<u>88</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>88</u> P.S.I.	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1494</u> P.S.I.	<u>120</u> Mins.	<u>115</u> Mins.
E Second Initial Flow Pressure	<u>105</u> P.S.I.	<u>90</u> Mins.	<u>93</u> Mins.
F Second Final Flow Pressure	<u>108</u> P.S.I.		
G Final Closed-in Pressure	<u>1460</u> P.S.I.		
H Final Hydrostatic Mud	<u>2108</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: 17 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 24 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 32 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 0	<u>88</u>	0	<u>88</u>	0	<u>105</u>	0	<u>108</u>
P 2 5		3	<u>175</u>	5		3	<u>182</u>
P 3 10		6	<u>353</u>	10		6	<u>323</u>
P 4 15		9	<u>483</u>	15		9	<u>446</u>
P 5 20		12	<u>579</u>	20		12	<u>552</u>
P 6 25		15	<u>653</u>	25		15	<u>722</u>
P 7 30	<u>88</u>	18	<u>740</u>	30		18	<u>830</u>
P 8 35		21	<u>981</u>	35		21	<u>922</u>
P 9 40		24	<u>1128</u>	40		24	<u>997</u>
P 10 45		27	<u>1233</u>	45		27	<u>1070</u>
P 11 50		30	<u>1306</u>	50		30	<u>1131</u>
P 12 55		33	<u>1360</u>	55		33	<u>1188</u>
P 13 60		36	<u>1413</u>	60		36	<u>1236</u>
P 14		39	<u>1444</u>	65		39	<u>1270</u>
P 15		42	<u>1465</u>	70		42	<u>1296</u>
P 16		45	<u>1483</u>	75		45	<u>1318</u>
P 17		48	<u>1494</u>	80		48	<u>1340</u>
P 18		51		85		51	<u>1356</u>
P 19		54		90	<u>105</u>	54	<u>1370</u>
P 20		57		95	<u>106</u>	57	<u>1383</u>
		60		100	<u>106</u>	60	<u>1394</u>

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 4987

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

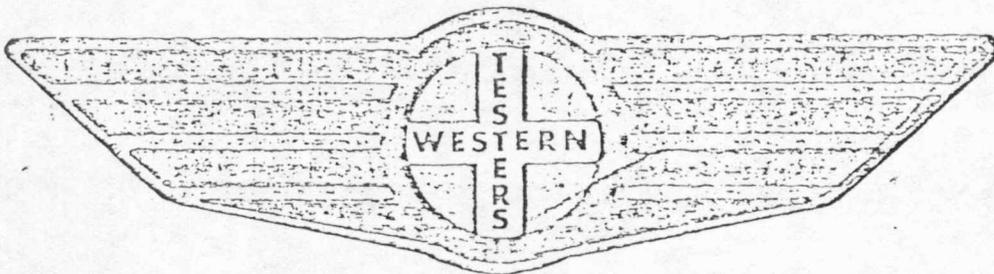
Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> 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		63	105	63
P 2		66	110	66
P 3		69	115	69
P 4		72		72
P 5		75		75
P 6		78		78
P 7		81		81
P 8		84		84
P 9		87		87
P10		90		90
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

Press.
1403
1411
1418
1425
1432
1437
1442
1447
1452
1457
1460

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company BEREN CORPORATION Lease and Well No. #2 PARR Sec. 27 Twp. 31S Rge. 13W Test No. 7 Date 8/31/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8/31/84
CUSTOMER: BEREN CORPORATION
WELL: 2 TEST: 7
ELEVATION (KB): 0 FORMATION:
SECTION: 27 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

TICKET #4987
LEASE: PARR
GEOLOGIST: LEWELLYN

INTERVAL TEST FROM: 4138 FT TO: 4175 FT TOTAL DEPTH: 4175 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4133 FT SIZE: 6 5/8 IN PACKER DEPTH: 4138 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
MUD TYPE: CHEMICAL VISCOSITY: 44
WEIGHT: 9.1 WATER LOSS (CC): 13.6
CHLORIDES (P.P.M.): 10000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 210 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3907 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 37 FT SIZE: 5 1/2 OD 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST. GAS
TO SURFACE IN 6 MINUTES ON THE
FINAL FLOW PERIOD. SEE ATTACHED
SHEET FOR GAS MEASUREMENTS.

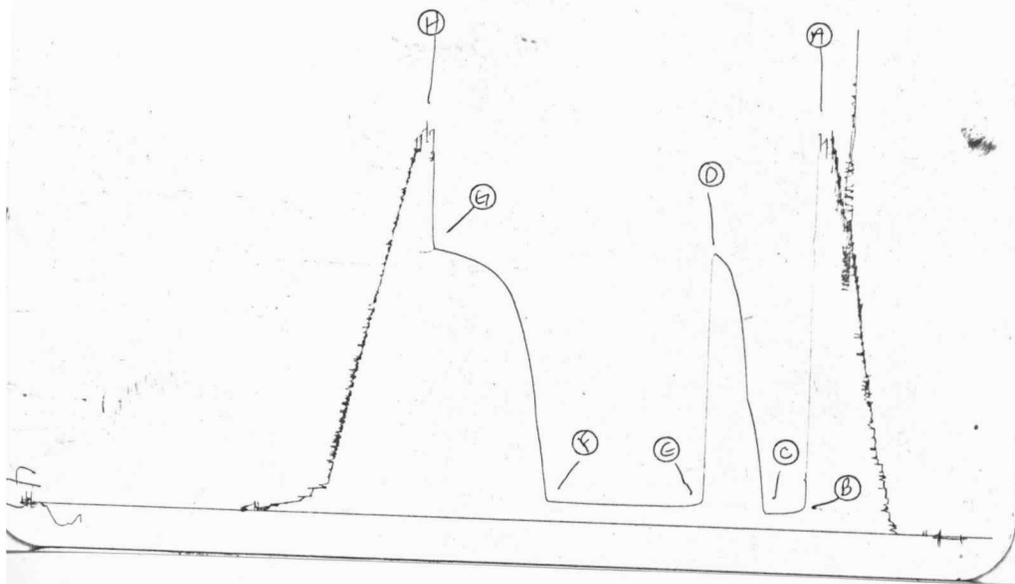
RECOVERED: 240 FT OF: GAS CUT MUD (SCUM OF OIL).
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 8:45 PM TIME STARTED OFF BOTTOM: 1:30 AM
WELL TEMPERATURE: 121 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2111 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 88 PSI TO (C) 88 PSI
INITIAL CLOSED IN PERIOD MIN: 48 (D) 1494 PSI
FINAL FLOW PERIOD MIN: 115 (E) 105 PSI TO (F) 108 PSI
FINAL CLOSED IN PERIOD MIN: 93 (G) 1460 PSI
FINAL HYDROSTATIC PRESSURE (H) 2108 PSI

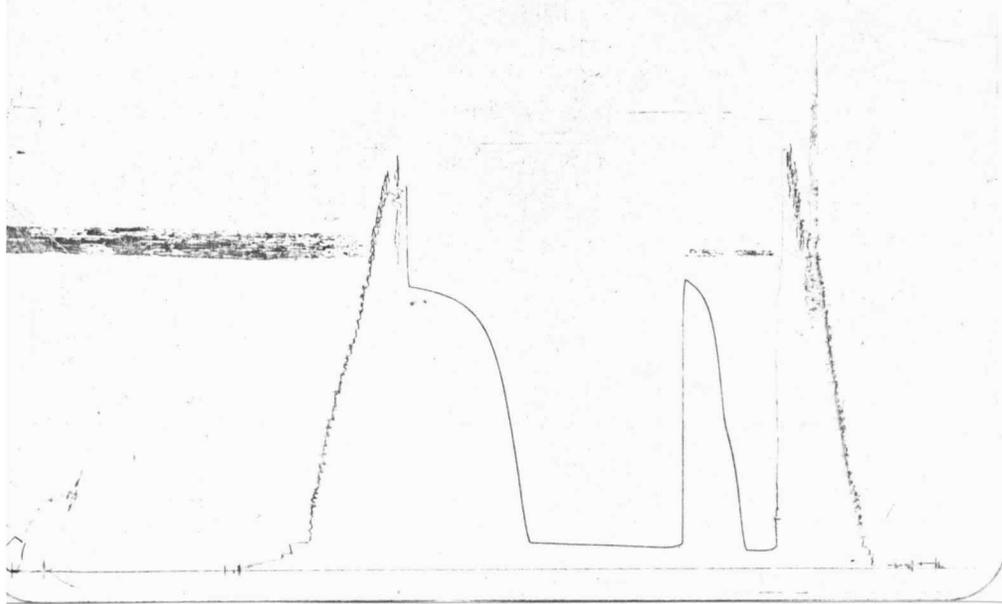
TKC# 4987

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TKC# 4987

O





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 4988

OK

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

Elevation Formation Eff. Pay Ft.

District Pratt Date 9/1/84 Customer Order No.

COMPANY NAME Beredco Inc Beren Corporation

ADDRESS 970 Fourth Financial Center Wichita, Ks 67202

LEASE AND WELL NO. Parr #2 COUNTY Barber STATE Ks Sec. 27 Twp. 31 Rge. 13W

Mail Invoice To Same #2 PARR No. Copies Requested 5

Co. Name Address No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 8 Interval Tested From 4182 ft. to 4230 ft. Total Depth 4230 ft.

Packer Depth 4177 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.

Packer Depth 4182 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4192 ft. Recorder Number 13547 Cap. 4225

Bottom Recorder Depth (Outside) 4195 ft. Recorder Number 13552 Cap. 4050

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

Drilling Contractor Beredco Rig #2 Drill Collar Length 180 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 50 Weight Pipe Length I. D. - in.

Weight 9.1 Water Loss 17.2 cc. Drill Pipe Length 3981 I. D. 3.8 in.

Chlorides 11,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 00 in.

Jars: Make - Serial Number - Anchor Length 48 ft. Size 5 1/2 00 in.

Did Well Flow? Yes 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 FH in.

Blow: Strong blow throughout flow periods Gas to surface in 2 min on preflow

Recovered 9.5 ft. of Gas Cut Mud

Recovered ft. of

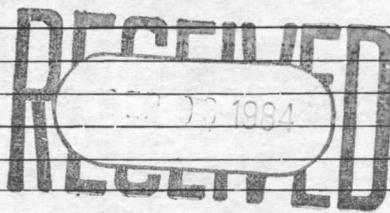
Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used 4

Remarks: Free Hole



Time On Location 2:00 A.M. Time Pick Up Tool 2:30 P.M. Time Off Location 10:30 A.M. P.M.

Time Set Packer(s) 5:00 A.M. Time Started Off Bottom 8:15 P.M. Maximum Temperature 122

Initial Hydrostatic Pressure (A) 2114 P.S.I.

Initial Flow Period Minutes 30 (B) 307 P.S.I. to (C) 264 P.S.I.

Initial Closed In Period Minutes 45 (D) 11682 P.S.I.

Final Flow Period Minutes 60 (E) 275 P.S.I. to (F) 243 P.S.I.

Final Closed In Period Minutes 90 (G) 1651 P.S.I.

Final Hydrostatic Pressure (H) 2093 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 Jim Worden Thank You 2374

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.



No 3880

GAS FLOW REPORT

Date 9/1/84 Ticket 4988 Company Berecoco Inc
 Well Name and No. Parr #2 Dst No. 8 Interval Tested 4182-4230
 County Barber State Ks Sec. 27 Twp. 31 Rg. 13

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
PRE FLOW					
<i>Gas to surface in 2 min</i>					
5	8 lbs	1 1/2"			1,123,000 C.F.P.D
10	10 "	"			1,274,000 "
20	"	"			" "
30	"	"			" "

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
SECOND FLOW					
5	8 lbs	1 1/2"			1,123,000 C.F.P.D
10	10 "	"			1,274,000 "
20	"	"			" "
30	"	"			" "
40	9 "	"			1,198,000 "
50	"	"			" "
60	"	"			" "

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 9-1-84 Test Ticket No. 4988
 Recorder No. 13547 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F _____

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2113</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>260</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>260</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1685</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>230</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>230</u> P.S.I.			
G Final Closed-in Pressure	<u>1653</u> P.S.I.			
H Final Hydrostatic Mud	<u>2042</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>31</u> 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>260</u>	0	<u>260</u>	0	<u>230</u>	0	<u>230</u>
P 2 5		3	<u>1438</u>	5		3	<u>1104</u>
P 3 10		6	<u>1615</u>	10		6	<u>1457</u>
P 4 15		9	<u>1647</u>	15		9	<u>1583</u>
P 5 20		12	<u>1661</u>	20		12	<u>1609</u>
P 6 25		15	<u>1666</u>	25		15	<u>1621</u>
P 7 30	<u>260</u>	18	<u>1670</u>	30		18	<u>1625</u>
P 8 35		21	<u>1673</u>	35		21	<u>1629</u>
P 9 40		24	<u>1676</u>	40		24	<u>1633</u>
P 10 45		27	<u>1678</u>	45		27	<u>1637</u>
P 11 50		30	<u>1680</u>	50		30	<u>1641</u>
P 12 55		33	<u>1681</u>	55	<u>230</u>	33	<u>1643</u>
P 13 60		36	<u>1682</u>	60		36	<u>1644</u>
P 14		39	<u>1683</u>	65		39	<u>1645</u>
P 15		42	<u>1684</u>	70		42	<u>1646</u>
P 16		45	<u>1685</u>	75		45	<u>1647</u>
P 17		48		80		48	<u>1647</u>
P 18		51		85		51	<u>1648</u>
P 19		54		90		54	<u>1648</u>
P 20		57				57	<u>1649</u>
		60				60	<u>1649</u>

(Cont.)

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 4988

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.			

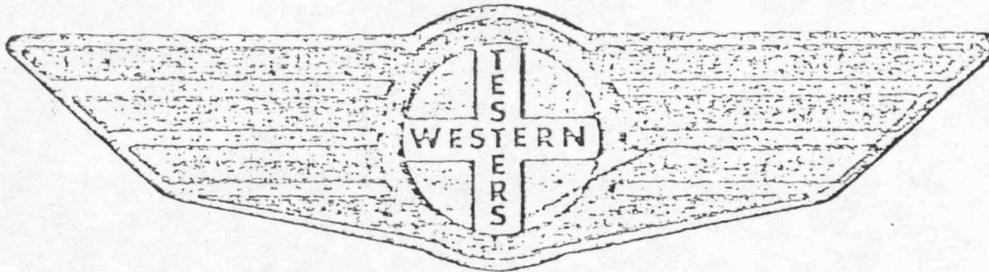
PRESSURE BREAKDOWN

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.	
	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	_____	63	_____	63	1650
P 2	_____	66	_____	66	1650
P 3	_____	69	_____	69	1651
P 4	_____	72	_____	72	1651
P 5	_____	75	_____	75	1652
P 6	_____	78	_____	78	1652
P 7	_____	81	_____	81	1653
P 8	_____	84	_____	84	
P 9	_____	87	_____	87	
P10	_____	90	_____	90	1653
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	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company BEREN CORPORATION Lease and Well No. #2 PARR Sec. 27 Twp. 31S Rge. 13W Test No. 8 Date 1/84

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9/1/84 TICKET #4988
CUSTOMER: BEREN CORPORATION LEASE: PARR
WELL: 2 TEST: 8 GEOLOGIST: LEWELLYN
ELEVATION (KB): 0 FORMATION:
SECTION: 27 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

INTERVAL TEST FROM: 4182 FT TO: 4230 FT TOTAL DEPTH: 4230 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4177 FT SIZE: 6 5/8 IN PACKER DEPTH: 4182 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO DRLG
MUD TYPE: CHEMICAL VISCOSITY: 50
WEIGHT: 9.1 WATER LOSS (CC): 17.2
CHLORIDES (P.P.M.): 11000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? YES REVERSED OUT? NO
DRILL COLLAR LENGTH: 180 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3981 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 48 FT SIZE: 5 1/2 OD 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 FH IN

BLOW: STRONG BLOW THROUGHOUT TEST. GAS
TO SURFACE IN 2 MINUTES ON THE
INITIAL FLOW PERIOD. SEE ATTACHED
SHEET FOR GAS MEASUREMENTS.

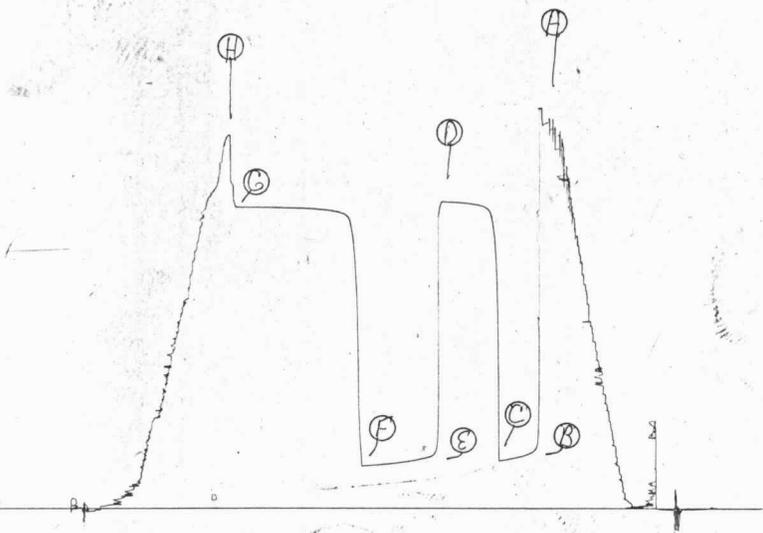
RECOVERED: 95 FT OF: GAS CUT MUD.
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 5:00 PM TIME STARTED OFF BOTTOM: 8:15 PM
WELL TEMPERATURE: 122 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2113 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 260 PSI TO (C) 260 PSI
INITIAL CLOSED IN PERIOD MIN: 45 (D) 1685 PSI
FINAL FLOW PERIOD MIN: 55 (E) 230 PSI TO (F) 230 PSI
FINAL CLOSED IN PERIOD MIN: 90 (G) 1653 PSI
FINAL HYDROSTATIC PRESSURE (H) 2042 PSI

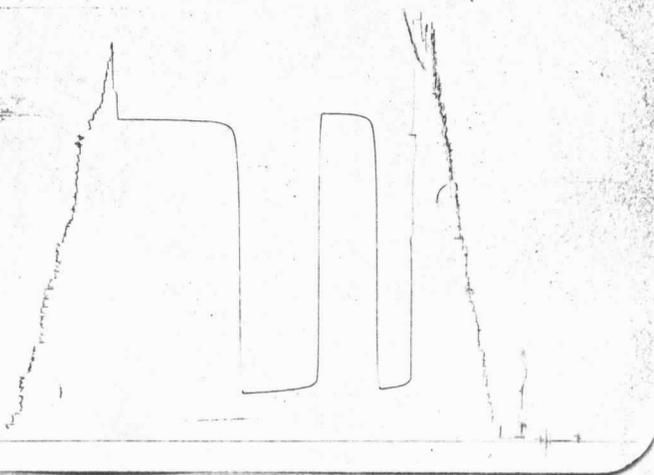
TKT# 4988

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TKT# 4988

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WESTERN TESTING CO., INC.
FORMATION TESTING

OK

TICKET N° 4989

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

Elevation _____ Formation Miss Eff. Pay _____ Ft.

District Pratt Date 9/2/84 Customer Order No. _____
COMPANY NAME Benedco Inc Bened Corporation

ADDRESS 970 Fourth Financial Center Wichita, Ks 67202

LEASE AND WELL NO. Parr #2 COUNTY Barber STATE Ks Sec. 27 Twp. 31 Rge. 13W

Mail Invoice To Same #2 PARR No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

Formation Test No. 9 Interval Tested From 4242 ft. to 4254 ft. Total Depth 4254 ft.

Packer Depth 4237 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4242 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4244 ft. Recorder Number 13547 Cap. 4225

Bottom Recorder Depth (Outside) 4247 ft. Recorder Number 13552 Cap. 4050

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

Drilling Contractor Benedco Rig #2 Drill Collar Length 210 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 48 Weight Pipe Length _____ I. D. _____ in.

Weight 9.0 Water Loss 17.4 cc. Drill Pipe Length 4011 I. D. 3.8 in.

Chlorides 16,000 P.P.M. Test Tool Length 21 ft. Tool Size 5/200 in.

Jars: Make _____ Serial Number _____ Anchor Length 12 ft. Size 5/200 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

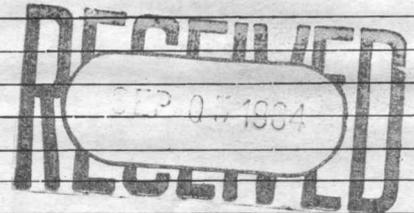
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow throughout flow periods

Recovered 100 ft. of Sl. Oil Cut Mud (5% oil)

Recovered _____ ft. of _____

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



Time On Location 7:00 A.M. Time Pick Up Tool 7:30 P.M. Time Off Location 4:00 A.M.

Time Set Packer(s) 9:00 A.M. Time Started Off Bottom 1:45 P.M. Maximum Temperature 122° P.M.

Initial Hydrostatic Pressure (A) 2156 P.S.I.

Initial Flow Period (B) 30 Minutes 63 P.S.I. to (C) 63 P.S.I.

Initial Closed In Period (D) 45 Minutes 127 P.S.I.

Final Flow Period (E) 120 Minutes 63 P.S.I. to (F) 63 P.S.I.

Final Closed In Period (G) 90 Minutes 286 P.S.I.

Final Hydrostatic Pressure (H) 2135 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 Jim Wondra Thank You 2376

FIELD INVOICE

Table with 2 columns: Item and Price. 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 9-2

Test Ticket No. 4989

Recorder No. 13547

Capacity _____ Location _____ Ft.

Clock No. _____

Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2148</u> P.S.I.		M
B First Initial Flow Pressure	<u>54</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>54</u> P.S.I.	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>128</u> P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>61</u> P.S.I.	<u>90</u> Mins.	<u>87</u> Mins.
F Second Final Flow Pressure	<u>63</u> P.S.I.		
G Final Closed-in Pressure	<u>291</u> P.S.I.		
H Final Hydrostatic Mud	<u>2048</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: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 25 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 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 0	<u>54</u>	0	<u>54</u>	0	<u>61</u>	0	<u>63</u>
P 2 5		3		5		3	<u>66</u>
P 3 10		6		10		6	<u>69</u>
P 4 15		9	<u>54</u>	15		9	<u>72</u>
P 5 20		12	<u>55</u>	20		12	<u>76</u>
P 6 25		15	<u>57</u>	25		15	<u>81</u>
P 7 30	<u>54</u>	18	<u>63</u>	30		18	<u>87</u>
P 8 35		21	<u>69</u>	35		21	<u>93</u>
P 9 40		24	<u>75</u>	40		24	<u>99</u>
P10 45		27	<u>83</u>	45		27	<u>106</u>
P11 50		30	<u>93</u>	50		30	<u>113</u>
P12 55		33	<u>103</u>	55		33	<u>121</u>
P13 60		36	<u>112</u>	60		36	<u>129</u>
P14		39	<u>120</u>	65		39	<u>137</u>
P15		42	<u>128</u>	70		42	<u>145</u>
P16		45		75		45	<u>154</u>
P17		48		80		48	<u>163</u>
P18		51		85		51	<u>172</u>
P19		54		90		54	<u>181</u>
P20		57		<u>95</u>		57	<u>190</u>
		60		<u>100</u>	<u>61</u>	60	<u>199</u>

cont

cont

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 4989
 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.			

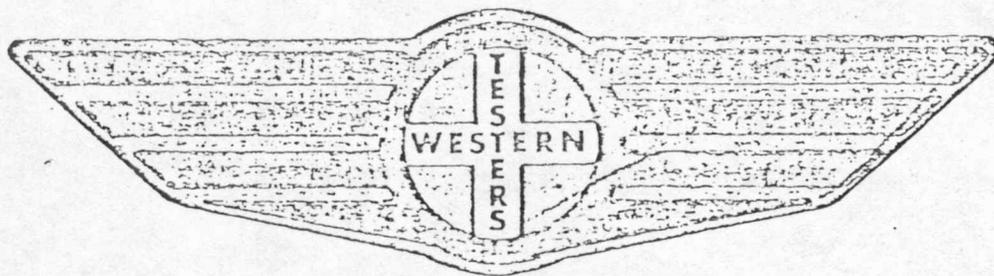
PRESSURE BREAKDOWN

First Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 _____		63		105	62	63	210
P 2 _____		66		110	62	66	221
P 3 _____		69		115	63	69	232
P 4 _____		72		120	63	72	243
P 5 _____		75				75	255
P 6 _____		78				78	266
P 7 _____		81				81	277
P 8 _____		84				84	288
P 9 _____		87				87	291
P10 _____		90				90	
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	

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

Company BEREN CORPORATION Lease and Well No. #2 PARR Sec. 27 Twp. 31S Rge. 13W Test No. 9 Date 9/2/84

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9/2/84
CUSTOMER: BEREN CORPORATION
WELL: #2 TEST: 9
ELEVATION (KB): 0 FORMATION: MISS
SECTION: 27 TOWNSHIP: 31S
RANGE: 13W COUNTY: BARBER STATE: KANSAS
GAUGE SN #13547 RANGE: 4225 CLOCK: 12

TICKET #4989
LEASE: PARR
GEOLOGIST: ?

INTERVAL TEST FROM: 4242 FT TO: 4254 FT TOTAL DEPTH: 4254 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4237 FT SIZE: 6 5/8 IN PACKER DEPTH: 4242 FT SIZE: 6 5/8 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO
MUD TYPE: CHEM VISCOSITY: 48
WEIGHT: 9.0 WATER LOSS (CC): 17.4
CHLORIDES (P.P.M.): 16000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: 210 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4011 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 12 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 FH IN

BLOW: WEAK BLOW THROUGHOUT FLOW PERIODS.

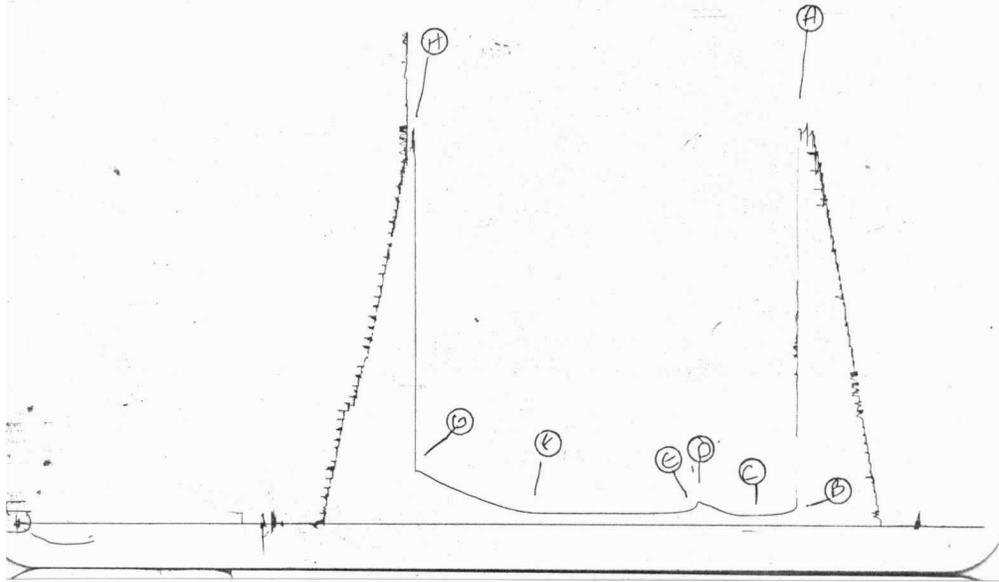
RECOVERED: 100 FT OF: SLIGHTLY OIL CUT MUD (5% OIL)
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: TIGHT HOLE.

TIME SET PACKER(S): 9:00 A.M. TIME STARTED OFF BOTTOM: 1:45 P.M.
WELL TEMPERATURE: 122 °F
INITIAL HYDROSTATIC PRESSURE: (A) 2148 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 54 PSI TO (C) 54 PSI
INITIAL CLOSED IN PERIOD MIN: 42 (D) 128 PSI
FINAL FLOW PERIOD MIN: 120 (E) 61 PSI TO (F) 63 PSI
FINAL CLOSED IN PERIOD MIN: 87 (G) 291 PSI
FINAL HYDROSTATIC PRESSURE (H) 2048 PSI

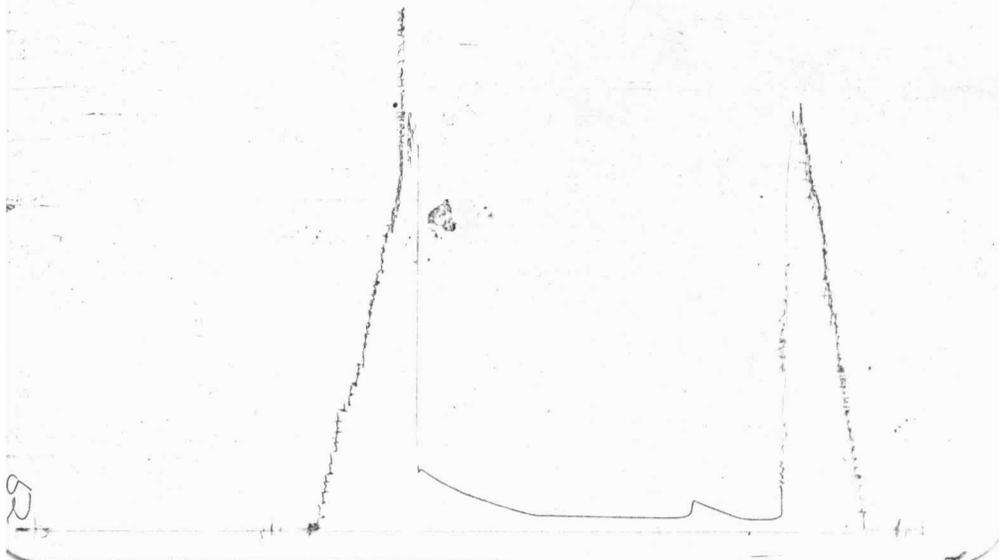
TK# 4989

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TK# 4989

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82



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 4990

OK

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation Formation Miss Eff. Pay Ft.

District Pratt Date 9/3/84 Customer Order No.

COMPANY NAME Benedco Inc - Becon Cooperation

ADDRESS 970 Fourth Financial Center Wichita, Ks 67202

LEASE AND WELL NO. Parr #2 COUNTY Barber STATE Ks Sec. 27 Twp. 31 Rge. 13W

Mail Invoice To Same #2 PARR No. Copies Requested 5

Mail Charts To Same Address No. Copies Requested 5

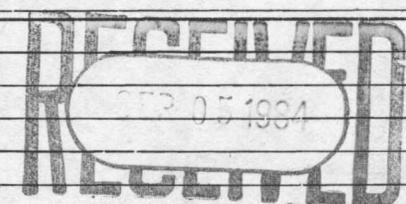
Formation Test No. 10 Interval Tested From 4238 ft. to 4259 ft. Total Depth 4259 ft.
Packer Depth 4233 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.
Packer Depth 4238 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4249 ft. Recorder Number 13547 Cap. 4225
Bottom Recorder Depth (Outside) 4252 ft. Recorder Number 13552 Cap. 4050
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Benedco Rig #2 Drill Collar Length 210 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 48 Weight Pipe Length - I. D. - in.
Weight 9.0 Water Loss 17.4 cc. Drill Pipe Length 3997-4007 I. D. 3.8 in.
Chlorides 16,000 P.P.M. Test Tool Length 21 ft. Tool Size 5/200 in.
Jars: Make - Serial Number - Anchor Length 21 ft. Size 5/200 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 FH in.

Blow: Fair blow throughout flow periods

Recovered 210 ft. of Dng Mud (Scum of oil)
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Chlorides P.P.M. Sample Jars used Remarks: Total Hole



Time On Location 10:30 A.M. Time Pick Up Tool 11:00 A.M. Time Off Location 8:30 A.M.
Time Set Packer(s) 12:30 P.M. Time Started Off Bottom 5:15 P.M. Maximum Temperature 122°
Initial Hydrostatic Pressure (A) 2156 P.S.I.
Initial Flow Period Minutes 30 (B) 74 P.S.I. to (C) 74 P.S.I.
Initial Closed In Period Minutes 45 (D) 1052 P.S.I.
Final Flow Period Minutes 120 (E) 105 P.S.I. to (F) 116 P.S.I.
Final Closed In Period Minutes 90 (G) 1115 P.S.I.
Final Hydrostatic Pressure (H) 2135 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 Jim Woods Thank You 2376

FIELD INVOICE

Open Hole Test \$ 595-
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 9-3
 Recorder No. 13547
 Clock No. -----

Test Ticket No. 4990
 Capacity _____ Location _____ Ft. _____
 Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2136</u> P.S.I.		
B First Initial Flow Pressure	<u>68</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>68</u> P.S.I.	<u>45</u> Mins.	<u>48</u> Mins.
D Initial Closed-in Pressure	<u>1055</u> P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>105</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure	<u>124</u> P.S.I.		
G Final Closed-in Pressure	<u>1107</u> P.S.I.		
H Final Hydrostatic Mud	<u>2136</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: 17 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 25 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 0	<u>68</u>	0	<u>68</u>	0	<u>105</u>	0	<u>124</u>
P 2 5		3	<u>70</u>	5		3	<u>131</u>
P 3 10		6	<u>77</u>	10		6	<u>153</u>
P 4 15		9	<u>104</u>	15		9	<u>188</u>
P 5 20		12	<u>160</u>	20		12	<u>224</u>
P 6 25		15	<u>222</u>	25		15	<u>268</u>
P 7 30	<u>68</u>	18	<u>303</u>	30		18	<u>316</u>
P 8 35		21	<u>409</u>	35		21	<u>372</u>
P 9 40		24	<u>509</u>	40		24	<u>427</u>
P10 45		27	<u>609</u>	45	<u>105</u>	27	<u>485</u>
P11 50		30	<u>702</u>	50	<u>106</u>	30	<u>538</u>
P12 55		33	<u>782</u>	55	<u>106</u>	33	<u>593</u>
P13 60		36	<u>855</u>	60	<u>106</u>	36	<u>645</u>
P14		39	<u>921</u>	65	<u>107</u>	39	<u>690</u>
P15		42	<u>979</u>	70	<u>109</u>	42	<u>734</u>
P16		45	<u>1025</u>	75	<u>111</u>	45	<u>771</u>
P17		48	<u>1055</u>	80	<u>113</u>	48	<u>810</u>
P18		51		85	<u>115</u>	51	<u>843</u>
P19		54		90	<u>117</u>	54	<u>873</u>
P20		57		95	<u>119</u>	57	<u>902</u>
		60		100	<u>120</u>	60	<u>927</u>

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WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 4990

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.			

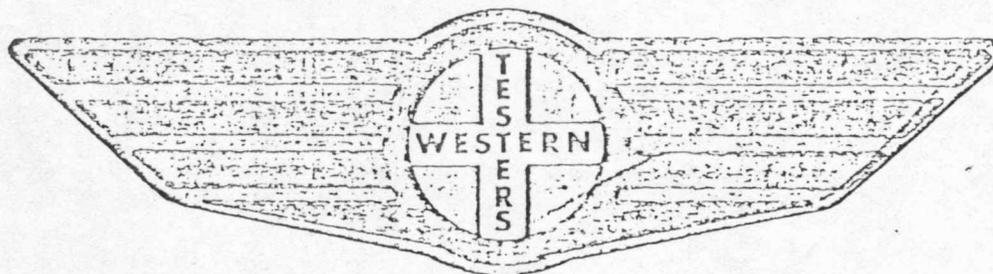
PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of <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 _____		63		63
P 2 _____		66		66
P 3 _____		69		69
P 4 _____		72		72
P 5 _____		75		75
P 6 _____		78		78
P 7 _____		81		81
P 8 _____		84		84
P 9 _____		87		87
P10 _____		90		90
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

FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 9/3/84
 CUSTOMER: BEREN CORPORATION
 WELL: #2 TEST: 10
 ELEVATION (KB): 0 FORMATION: MISS
 SECTION: 27 TOWNSHIP: 31S
 RANGE: 13W COUNTY: BARBER STATE: KANSAS
 GAUGE SN #13547 RANGE: 4225 CLOCK: 12

TICKET #4990
 LEASE: PARR
 GEOLOGIST: ?

INTERVAL TEST FROM: 4238 FT TO: 4259 FT TOTAL DEPTH: 4259 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 4233 FT SIZE: 6 5/8 IN PACKER DEPTH: 4238 FT SIZE: 6 5/8 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: BEREDCO
 MUD TYPE: CHEM VISCOSITY: 48
 WEIGHT: 9.0 WATER LOSS (CC): 17.4
 CHLORIDES (P.P.M.): 16000
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? NO
 DRILL COLLAR LENGTH: 210 FT I.D.: 2.25 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 4007 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 21 FT TOOL SIZE: 5 1/2 O.D. IN
 ANCHOR LENGTH: 21 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 FH IN

BLOW: FAIR BLOW THROUGHOUT FLOW PERIODS.

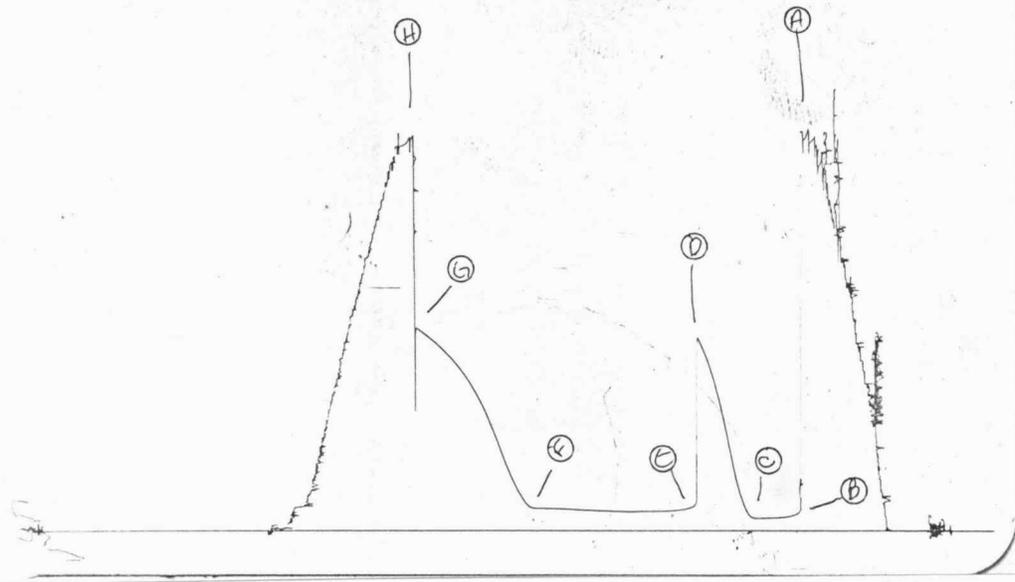
RECOVERED: 210 FT OF: DRLG MUD. (SCUM OF OIL)
 RECOVERED: FT OF:
 RECOVERED: FT OF:

REMARKS: TIGHT HOLE

TIME SET PACKER(S): 12:30 A.M. TIME STARTED OFF BOTTOM: 5:15 A.M.
 WELL TEMPERATURE: 122 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 2136 PSI
 INITIAL FLOW PERIOD MIN: 30 (B) 68 PSI TO (C) 68 PSI
 INITIAL CLOSED IN PERIOD MIN: 48 (D) 1055 PSI
 FINAL FLOW PERIOD MIN: 120 (E) 105 PSI TO (F) 124 PSI
 FINAL CLOSED IN PERIOD MIN: 90 (G) 1107 PSI
 FINAL HYDROSTATIC PRESSURE (H) 2136 PSI

TK# 4990

I



TK# 4990

O

