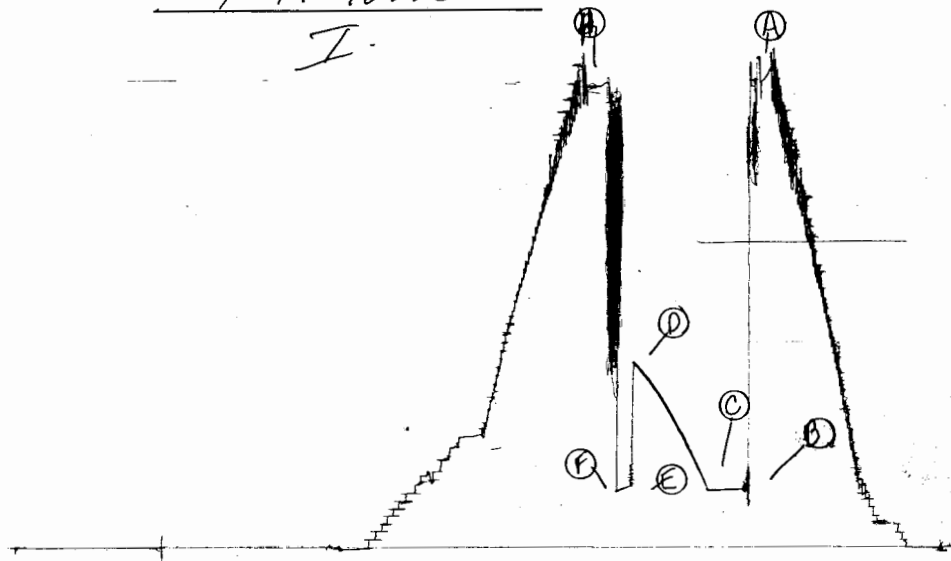


7 #3849 DST/

TK# 18993

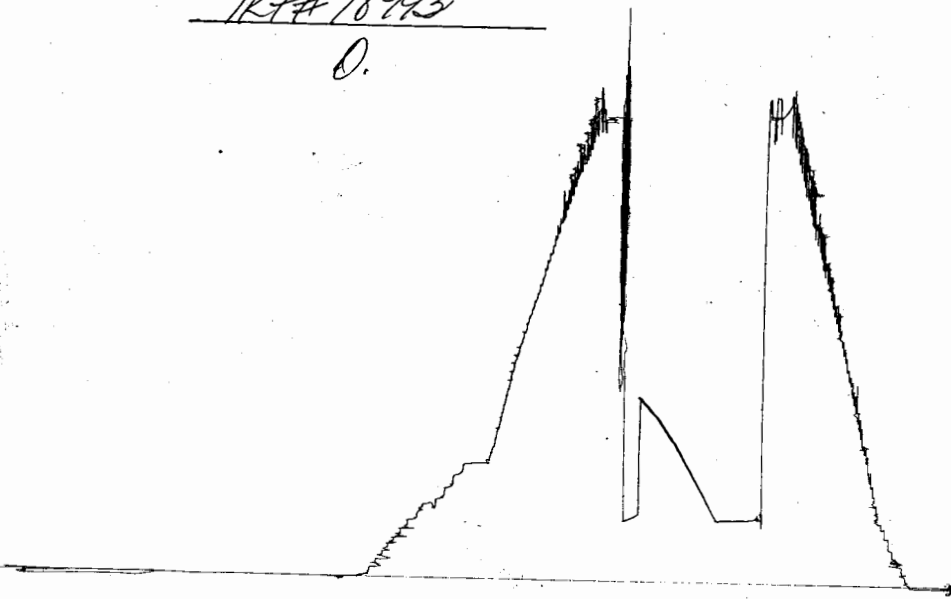
I.



2604 DST/

TK# 18993

O.





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 18993

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

Elevation 2968 K.B. Formation Morrow Sand Eff. Pay _____ Ft.

District Garden City Date 4-20-93 Customer Order No. _____

COMPANY NAME Berexco Inc.

ADDRESS 970 Fourth Financial Center Wichita, KS. 67202

LEASE AND WELL NO. Dennis 3-2 COUNTY Haskell STATE KS. Sec. 2 Twp. 29S Rge. 33W

Mail Invoice To Berexco Inc. Co. Name Same Address See Dist. Sheet No. Copies Requested 2

Mail Charts To See Dist. Sheet # 3-2 Address DENNIS No. Copies Requested 2

Formation Test No. 1 Interval Tested From 5376 ft. to 5389 ft. Total Depth 5389 ft.

Packer Depth 5371 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 5376 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5378 ft. Recorder Number 3849 Cap. 4200

Bottom Recorder Depth (Outside) 5381 ft. Recorder Number 2604 Cap. 4150

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

Drilling Contractor Berexco Rig 2 Drill Collar Length 612 I. D. 2 1/4 in.

Mud Type Chem. Viscosity 58 Weight Pipe Length _____ I. D. _____ in.

Weight 9.1 Water Loss 6.4 cc. Drill Pipe Length 4736 I. D. 3.8 in.

Chlorides 1200 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.

Jars: Make W.T.C. Serial Number 402 Anchor Length 13 ft. Size 5 1/2 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 X 11 in.

Blow: 5" Built to 9" in Bucket 30 min. I.F. *No Fluid Loss

Very weak 1/2" Built to 2" in 12 min. (Last Packer Set) F.F.

Recovered 150 ft. of Foamy Oil cut Mud 7% Oil 68% Gas 25% Mud 4 packages of Gas

Recovered 270 ft. of Oil & Gas cut Mud 7% Oil 28% Gas 65% Mud

Recovered 875 ft. of Mud

Recovered _____ ft. of _____

Recovered _____ ft. of Total Fluid Rec. 1,295' APR 30 1993

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: On Initial opening of tool last 50'

of Mud. Pulled loose, Blud off, Re-opened tool. Last 30' of Mud, Packers

Held. Supercharge caused initial 5" blow on I.F.

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

Time Set Packer(s) 1:00 A.M. Time Started Off Bottom 2:45 A.M. Maximum Temperature 129°F

Initial Hydrostatic Pressure _____ (A) 2527 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 290 P.S.I. to (C) 290 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 1004 P.S.I.

Final Flow Period _____ Minutes 14 (E) 323 P.S.I. to (F) 285 P.S.I.

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

Final Hydrostatic Pressure _____ (H) 2508 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 [Signature]

FIELD INVOICE

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

WESTERN TESTING CO., INC.

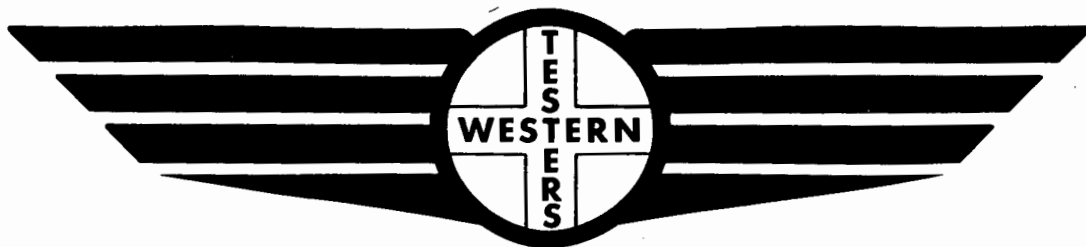
Pressure Data

Date 4-20-93 Test Ticket No. 18993
 Recorder No. 3849 Capacity _____ Location 5378 Ft.
 Clock No. _____ Elevation _____ Well Temperature 129 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2542 P.S.I. Open Tool 1:00A M
 B First Initial Flow Pressure 313 P.S.I. First Flow Pressure 30 Mins 30 Mins.
 C First Final Flow Pressure 313 P.S.I. Initial Closed-in Pressure 60 Mins 55 Mins.
 D Initial Closed-in Pressure 1011 P.S.I. Second Flow Pressure 14 Mins 10 Mins.
 E Second Initial Flow Pressure 336 P.S.I. Final Closed-in Pressure _____ Mins _____ Mins.
 F Second Final Flow Pressure 309 P.S.I.
 G Final Closed-in Pressure _____ P.S.I.
 H Final Hydrostatic Mud 2519 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>313</u>	<u>0</u>	<u>313</u>	<u>0</u>	<u>336</u>	<u>0</u>	
P 2 <u>5</u>	<u>313</u>	<u>3</u>	<u>315</u>	<u>5</u>	<u>321</u>	<u>3</u>	
P 3 <u>10</u>		<u>6</u>	<u>409</u>	<u>10</u>	<u>309</u>	<u>6</u>	
P 4 <u>15</u>		<u>9</u>	<u>462</u>	<u>15</u>		<u>9</u>	
P 5 <u>20</u>		<u>12</u>	<u>506</u>	<u>20</u>		<u>12</u>	
P 6 <u>25</u>		<u>15</u>	<u>543</u>	<u>25</u>		<u>15</u>	
P 7 <u>30</u>	<u>313</u>	<u>18</u>	<u>588</u>	<u>30</u>		<u>18</u>	
P 8 <u>35</u>		<u>21</u>	<u>626</u>	<u>35</u>		<u>21</u>	
P 9 <u>40</u>		<u>24</u>	<u>667</u>	<u>40</u>		<u>24</u>	
P10 <u>45</u>		<u>27</u>	<u>711</u>	<u>45</u>		<u>27</u>	
P11 <u>50</u>		<u>30</u>	<u>751</u>	<u>50</u>		<u>30</u>	
P12 <u>55</u>		<u>33</u>	<u>791</u>	<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>	<u>826</u>	<u>60</u>		<u>36</u>	
P14 <u>65</u>		<u>39</u>	<u>854</u>	<u>65</u>		<u>39</u>	
P15 <u>70</u>		<u>42</u>	<u>883</u>	<u>70</u>		<u>42</u>	
P16 <u>75</u>		<u>45</u>	<u>914</u>	<u>75</u>		<u>45</u>	
P17 <u>80</u>		<u>48</u>	<u>946</u>	<u>80</u>		<u>48</u>	
P18 <u>85</u>		<u>51</u>	<u>971</u>	<u>85</u>		<u>51</u>	
P19 <u>90</u>		<u>54</u>	<u>994</u>	<u>90</u>		<u>54</u>	
P20 <u>95</u>		<u>57</u>	<u>1011</u>	<u>95</u>		<u>57</u>	
<u>100</u>		<u>60</u>		<u>100</u>		<u>60</u>	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY BEREXCO, INC.

LEASE & WELL NO. #3-2 DENNIS

SEC. 2 TWP. 29S RGE. 33W TEST NO. 1

DATE 4/20/93

TO: BEREXCO INC.
5101 N. CLASSEN SUITE 205
OKLAHOMA CITY, OKLAHOMA 73118

FROM: WESTERN TESTING CO. INC.
P.O. BOX 1599
WICHITA, KANSAS 67201-1599

SUBJECT: COPIES OF DRILL STEM TEST MAILED TO INTEREST OWNERS.

DATE : APRIL 30, 1993

WELL NAME & NUMBER: #3-2 DENNIS

TEST NUMBERS: 1 THRU 3

LOCATION: HASKELL COUNTY, KANSAS

COPIES MAILED TO:

BEREXCO, INC.
970 FOURTH FINANCIAL CENTER
WICHITA, KS 67202
(INVOICE + 2 COPIES)

MCCOY PETROLEUM CORP.
110 S. MAIN, SUITE 500
WICHITA, KS 67202
ATTN: KEVIN MCCOY
(2 COPIES)

BEREXCO INC.
5101 N. CLASSEN BLVD. SUITE 205
OKLAHOMA CITY, OK 73118
ATTN: PETE WILSON
(ORIGINAL + 1 COPY)

VAN LEIGHTON
AMOCO PRODUCTION COMPANY
PO BOX 800
DENVER, COLORADO 80201
(1 COPY)

DST REPORT

GENERAL INFORMATION

DATE	: 4/20/93	TICKET	: 18993
CUSTOMER	: BEREXCO, INC.	LEASE	: DENNIS
WELL	: #3-2	TEST: 1	GEOLOGIST: GRIEVES
ELEVATION	: 2968 KB	FORMATION	: MORROW SDST
SECTION	: 2	TOWNSHIP	: 29S
RANGE	: 33W	COUNTY: HASKELL	STATE : KS
GAUGE SN#	: 3849	RANGE : 4200	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	5376.00 ft	TO:	5389.00 ft	TVD:	5389.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5378.0 ft		5381.0 ft		
TEMPERATURE:	129.0				
DRILL COLLAR LENGTH:	612.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4736.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	13.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	5371.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5376.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	BEREDCO RIG 2	VISCOSITY :	58.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	6.400 cc
WEIGHT :	9.100 ppg		
CHLORIDES :	1200 ppm	SERIAL NUMBER:	402
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD 5 INCH BLOW BUILT TO 9 INCHES
IN BUCKET IN 30 MINUTES. NO FLUID LOSE. FINAL FLOW
PERIOD VERY WEAK 1/2 INCH BLOW BUILT TO 2 INCHES

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

IN 12 MINUTES (LOST PACKER SEAT.)
ON INITIAL OPENING OF TOOL LOST 50 FT OF MUD
PULLED LOOSE, BLED OFF, RE-OPENED TOOL. LOST 30
FT OF MUD-PACKERS HELD. SUPERCHARGE CAUSED
INITIAL 5 INCH BLOW ON INITIAL FLOW PERIOD.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
150.0	7.0	68.0	0.0	25.0	FROTHY OIL CUT MUD-
0.0	0.0	0.0	0.0	0.0	W/POCKETS OF GAS
270.0	7.0	28.0	0.0	65.0	OIL & GAS CUT MUD
875.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME: 0.4124 STB
GAS VOLUME: 13.9874 SCF
MUD VOLUME: 9.6860 STB
WATER VOLUME: 0.0000 STB
TOTAL FLUID : 10.0984 STB

TOTAL FLOW TIME: 40.0000 min.
AVERAGE OIL RATE: 122.3996 STB/D
AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2527.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	290.00	290.00
INITIAL SHUT-IN	60.00		1004.00
FINAL FLOW	14.00	323.00	295.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 2508.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2542.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	313.00	313.00
INITIAL SHUT-IN	57.00		1011.00
FINAL FLOW	10.00	336.00	309.00

FINAL HYDROSTATIC PRESSURE: 2519.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 4/20/93	TICKET	: 18993
CUSTOMER	: BEREXCO, INC.	LEASE	: DENNIS
WELL	: #3-2	TEST: 1	GEOLOGIST: GRIEVES
ELEVATION	: 2968 KB	FORMATION	: MORROW SDST
SECTION	: 2	TOWNSHIP	: 29S
RANGE	: 33W	COUNTY: HASKELL	STATE : KS
GAUGE SN#	: 3849	RANGE : 4200	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	313.00	313.00
5.00	313.00	0.00
10.00	313.00	0.00
15.00	313.00	0.00
20.00	313.00	0.00
25.00	313.00	0.00
30.00	313.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	315.00	315.00	0.00
6.00	409.00	94.00	0.00
9.00	462.00	53.00	0.00
12.00	506.00	44.00	0.00
15.00	543.00	37.00	0.00
18.00	588.00	45.00	0.00
21.00	626.00	38.00	0.00
24.00	667.00	41.00	0.00
27.00	711.00	44.00	0.00
30.00	751.00	40.00	0.00
33.00	791.00	40.00	0.00
36.00	826.00	35.00	0.00
39.00	854.00	28.00	0.00
42.00	883.00	29.00	0.00
45.00	914.00	31.00	0.00
48.00	946.00	32.00	0.00
51.00	971.00	25.00	0.00
54.00	994.00	23.00	0.00
57.00	1011.00	17.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	336.00	336.00
5.00	321.00	-15.00
10.00	309.00	-12.00

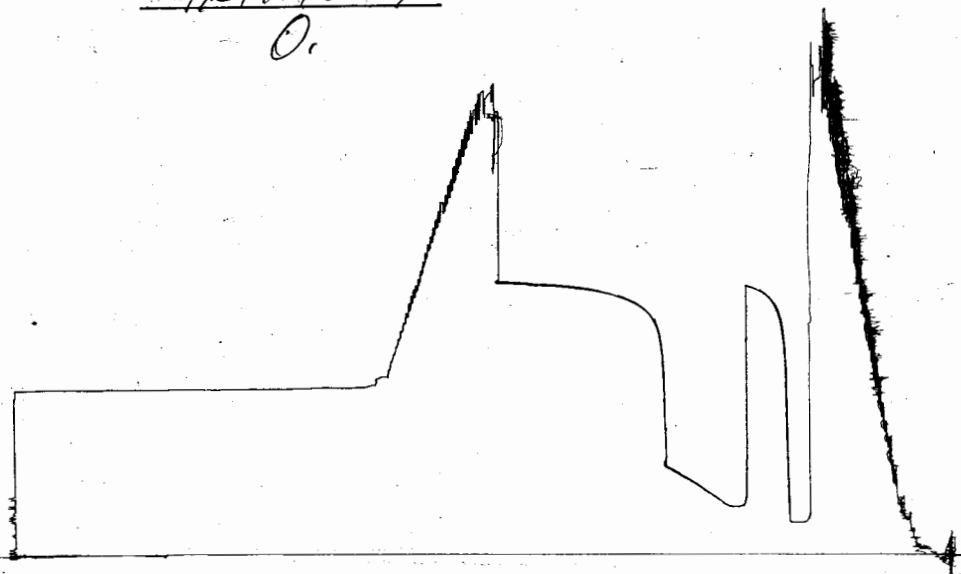
FINAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
			No Data Entered

2604 DST2

TK#18994

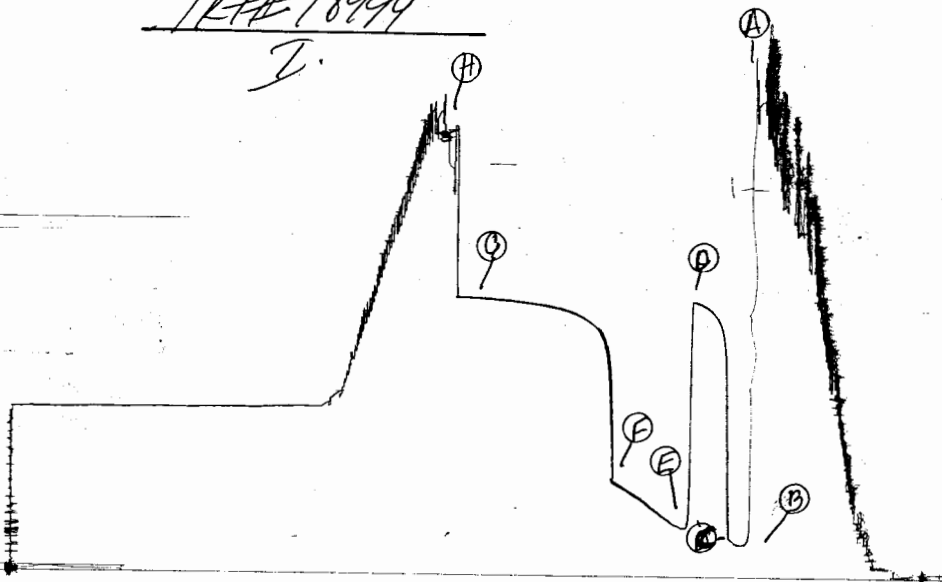
O.



7 43849 DST2

TK#18994

I.





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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 18994

Elevation 2968 K.B. Formation Morrow Sdst. Eff. Pay 6-8

District Garden City Date 4-21-93 Customer Order No. _____

COMPANY NAME Berexco Inc.

ADDRESS 970 Fourth Financial Center Wichita, KS. 67202

LEASE AND WELL NO. Dennis 3-2 COUNTY Haskell STATE KS Sec 2 Twp 29S Rge 33W

Mail Invoice To Berexco Inc. Co. Name Same Address See dist. sheet No. Copies Requested Reg. A

Mail Charts To See dist. sheet # 3-2 Address Dennis No. Copies Requested See dist. sheet

Formation Test No. 2 Interval Tested From 5383 ft. to 5395 ft. Total Depth 5395 ft.

Packer Depth 5378 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 5383 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5385 ft. Recorder Number 3849 Cap. 4200

Bottom Recorder Depth (Outside) 5388 ft. Recorder Number 2604 Cap. 4150

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

Drilling Contractor Berexco Rig 2 Drill Collar Length 612 I. D. 2 1/4 in.

Mud Type Chem Viscosity 64 Weight Pipe Length _____ I. D. _____ in.

Weight 9.1 Water Loss 7.8 cc. Drill Pipe Length 4743 I. D. 3.8 in.

Chlorides 1400 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.

Jars: Make W.T.C. Serial Number 402 Anchor Length 12 ft. Size 5 1/2 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 in.

Blow: Strong in 30 Sec. G.T.S. in 11 min. See Flow Chart I.F.

Strong in 30 Sec. See Flow Chart F.F. 28

Recovered 1890 ft. of C.G.O. w/ Bubbles of Gas 20° Gravity at 60°F

Recovered 30 ft. of Mud Cut Mud 15% Oil 24% Gas 61% mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of Total Fluid Rec. 1920'

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: Reached Fluid, let hang till Day light

APR 30 1993

Time On Location 4:45 A.M. Time Pick Up Tool 6:30 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 8:00 A.M. Time Started Off Bottom 11:45 A.M. Maximum Temperature 132°F

Initial Hydrostatic Pressure _____ (A) 2567 P.S.I.

Initial Flow Period _____ Minutes 15 (B) 163 P.S.I. to (C) 204 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 1491 P.S.I.

Final Flow Period _____ Minutes 60 (E) 248 P.S.I. to (F) 508 P.S.I.

Final Closed In Period _____ Minutes 120 (G) 1508 P.S.I.

Final Hydrostatic Pressure _____ (H) 2525 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 [Signature]

FIELD INVOICE

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



GAS FLOW REPORT

Nº 4758

Date 4-21-93 Ticket 18994 Company Berexo
 Well Name and No. Dennis 3-2 Dst No. 2 Interval Tested 5383-5395
 County Haskell State KS Sec. 2 Twp. 29S Rg. 33W

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
<i>Inches of WATER</i> PRE FLOW					
15	12	3/4"			<i>G.T.S. in 11 min. I.F.</i> 49,300 <i>C.F.P.D.</i>

<i>Inches of WATER</i> SECOND FLOW					
10	13	3/4"			51,400 <i>C.F.P.D.</i>
20	2.4	"			21,900 "
30	3.6	"			26,900 "
40	2.2	3/8"			16,700 "
50	2.6	3/8"			5,760 "
60	1.8	"			4,770 "

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 1½% 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 4-21-93

Test Ticket No. 18994

Recorder No. _____ Capacity _____ Location 4200 Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2505</u>	P.S.I.	<u>8:00 P.M.</u>	<u>132</u>
B First Initial Flow Pressure	<u>178</u>	P.S.I.	<u>15</u> Mins.	<u>15</u> Mins.
C First Final Flow Pressure	<u>213</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1498</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>266</u>	P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
F Second Final Flow Pressure	<u>523</u>	P.S.I.		
G Final Closed-in Pressure	<u>1508</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2506</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>178</u>	0	<u>213</u>	0	<u>266</u>	0	<u>523</u>
P 2 5	<u>178</u>	3	<u>891</u>	5	<u>268</u>	3	<u>1182</u>
P 3 10	<u>194</u>	6	<u>1347</u>	10	<u>287</u>	6	<u>1278</u>
P 4 15	<u>213</u>	9	<u>1400</u>	15	<u>310</u>	9	<u>1324</u>
P 5 20		12	<u>1427</u>	20	<u>340</u>	12	<u>1349</u>
P 6 25		15	<u>1452</u>	25	<u>370</u>	15	<u>1371</u>
P 7 30		18	<u>1469</u>	30	<u>398</u>	18	<u>1389</u>
P 8 35		21	<u>1479</u>	35	<u>426</u>	21	<u>1400</u>
P 9 40		24	<u>1489</u>	40	<u>449</u>	24	<u>1414</u>
P10 45		27	<u>1494</u>	45	<u>472</u>	27	<u>1425</u>
P11 50		30	<u>1498</u>	50	<u>491</u>	30	<u>1433</u>
P12 55		33	<u>1498</u>	55	<u>513</u>	33	<u>1441</u>
P13 60		36	<u>1498</u>	60	<u>523</u>	36	<u>1450</u>
P14 65		39	<u>1498</u>	65		39	<u>1452</u>
P15 70		42	<u>1498</u>	70		42	<u>1460</u>
P16 75		45	<u>1498</u>	75		45	<u>1469</u>
P17 80		48	<u>1498</u>	80		48	<u>1465</u>
P18 85		51	<u>1498</u>	85		51	<u>1468</u>
P19 90		54	<u>1498</u>	90		54	<u>1472</u>
P20 95		57	<u>1498</u>	95		57	<u>1476</u>
100		60	<u>1479</u>	100		60	<u>1479</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

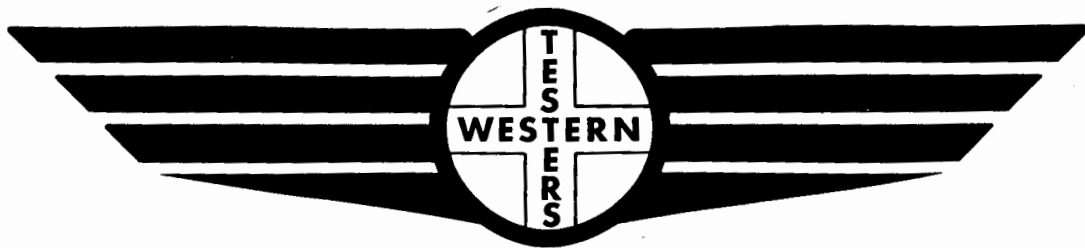
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud _____ P.S.I.	Open Tool _____	M _____	
B First Initial Flow Pressure _____ P.S.I.	First Flow Pressure _____	Mins. _____	Mins. _____
C First Final Flow Pressure _____ P.S.I.	Initial Closed-in Pressure _____	Mins. _____	Mins. _____
D Initial Closed-in Pressure _____ P.S.I.	Second Flow Pressure _____	Mins. _____	Mins. _____
E Second Initial Flow Pressure _____ P.S.I.	Final Closed-in Pressure _____	Mins. _____	Mins. _____
F Second Final Flow Pressure _____ P.S.I.			
G Final Closed-in Pressure _____ P.S.I.			
H Final Hydrostatic Mud _____ P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1483
P 2 110		66		110		66	1487
P 3 115		69		115		69	1489
P 4 120		72		120		72	1491
P 5 125		75		125		75	1493
P 6 130		78		130		78	1495
P 7 135		81		135		81	1497
P 8 140		84		140		84	1499
P 9 145		87		145		87	1501
P10 150		90		150		90	1502
P11 155		93		155		93	1503
P12 160		96		160		96	1503
P13 165		99		165		99	1503
P14 170		102		170		102	1504
P15 175		105		175		105	1505
P16 180		108		180		108	1505
P17 185		111		185		111	1506
P18 190		114		190		114	1506
P19 195		117		195		117	1507
P20 200		120		200		120	1508

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY BEREXCO, INC.

LEASE & WELL NO. #3-2 DENNIS

SEC. 2 TWP. 29S RGE. 33W TEST NO. 2 DATE 4/21/93

DST REPORT

GENERAL INFORMATION

DATE	: 4/21/93	TICKET	: 18994
CUSTOMER	: BEREXCO, INC.	LEASE	: DENNIS
WELL	: #3-2	TEST: 2	GEOLOGIST: GRIEVES
ELEVATION	: 2968 KB	FORMATION	: MORROW SDST
SECTION	: 2	TOWNSHIP	: 29S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 3849	RANGE	: 4200
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	5383.00 ft	TO:	5395.00 ft	TVD:	5395.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	5385.0 ft		5388.0 ft		
TEMPERATURE:	132.0				
DRILL COLLAR LENGTH:	612.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4743.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	12.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	5378.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5383.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	BEREDCO RIG 2	VISCOSITY :	64.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	7.800 cc
WEIGHT :	9.100 ppg		
CHLORIDES :	1400 ppm	SERIAL NUMBER:	402
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

STRONG BLOW IN 30 SECONDS ON BOTH FLOW PERIODS.
GAS TO SURFACE IN 11 MINUTES ON INITIAL FLOW
PERIOD. SEE GAS SHEET ATTACHED.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

REACHED FLUID-LET HANG TILL DAYLIGHT.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1890.0	100.0	0.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	W/POCKETS OF GAS
0.0	0.0	0.0	0.0	0.0	28 GRAVITY @ 60 DEGREES
30.0	15.0	24.0	0.0	61.0	HVY OIL & GAS CUT MUD

RATE INFORMATION

OIL VOLUME: 21.2306 STB
 GAS VOLUME: 0.1988 SCF
 MUD VOLUME: 0.0900 STB
 WATER VOLUME: 0.0000 STB
 TOTAL FLUID : 21.3206 STB

TOTAL FLOW TIME: 75.0000 min.
 AVERAGE OIL RATE: 409.3548 STB/D
 AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2567.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	163.00	204.00
INITIAL SHUT-IN	30.00		1491.00
FINAL FLOW	60.00	248.00	508.00
FINAL SHUT-IN	120.00		1508.00

FINAL HYDROSTATIC PRESSURE: 2525.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2565.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	178.00	213.00
INITIAL SHUT-IN	30.00		1498.00
FINAL FLOW	60.00	266.00	523.00
FINAL SHUT-IN	120.00		1508.00

FINAL HYDROSTATIC PRESSURE: 2506.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 4/21/93	TICKET : 18994
CUSTOMER : BEREXCO, INC.	LEASE : DENNIS
WELL : #3-2 TEST: 2	GEOLOGIST: GRIEVES
ELEVATION: 2968 KB	FORMATION: MORROW SDST
SECTION : 2	TOWNSHIP : 29S
RANGE : 33W COUNTY: HASKELL	STATE : KS
GAUGE SN#: 3849 RANGE : 4200	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
15 MIN	MERLA	0.750	12" WATER	49300 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	0.750	13" WATER	51400 SCF/D
20 MIN	MERLA	0.750	2.4" WATER	21900 SCF/D
30 MIN	MERLA	0.750	3.6" WATER	26900 SCF/D
40 MIN	MERLA	0.380	22" WATER	16700 SCF/D
50 MIN	MERLA	0.380	2.6" WATER	5760 SCF/D
60 MIN	MERLA	0.380	1.8" WATER	4790 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 4/21/93	TICKET : 18994
CUSTOMER : BEREXCO, INC.	LEASE : DENNIS
WELL : #3-2	GEOLOGIST: GRIEVES
ELEVATION: 2968 KB	FORMATION: MORROW SDST
SECTION : 2	TOWNSHIP : 29S
RANGE : 33W	STATE : KS
GAUGE SN#: 3849	CLOCK : 12
COUNTY: HASKELL	
RANGE : 4200	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	178.00	178.00
5.00	178.00	0.00
10.00	194.00	16.00
15.00	213.00	19.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	891.00	891.00	0.00
6.00	1347.00	456.00	0.00
9.00	1400.00	53.00	0.00
12.00	1427.00	27.00	0.00
15.00	1452.00	25.00	0.00
18.00	1469.00	17.00	0.00
21.00	1479.00	10.00	0.00
24.00	1489.00	10.00	0.00
27.00	1494.00	5.00	0.00
30.00	1498.00	4.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	266.00	266.00
5.00	268.00	2.00
10.00	287.00	19.00
15.00	310.00	23.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
20.00	340.00	30.00
25.00	370.00	30.00
30.00	398.00	28.00
35.00	426.00	28.00
40.00	449.00	23.00
45.00	472.00	23.00
50.00	491.00	19.00
55.00	513.00	22.00
60.00	523.00	10.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1182.00	1182.00	0.00
6.00	1278.00	96.00	0.00
9.00	1324.00	46.00	0.00
12.00	1349.00	25.00	0.00
15.00	1371.00	22.00	0.00
18.00	1389.00	18.00	0.00
21.00	1400.00	11.00	0.00
24.00	1414.00	14.00	0.00
27.00	1425.00	11.00	0.00
30.00	1433.00	8.00	0.00
33.00	1441.00	8.00	0.00
36.00	1450.00	9.00	0.00
39.00	1452.00	2.00	0.00
42.00	1460.00	8.00	0.00
45.00	1464.00	4.00	0.00
48.00	1465.00	1.00	0.00
51.00	1468.00	3.00	0.00
54.00	1472.00	4.00	0.00
57.00	1476.00	4.00	0.00
60.00	1479.00	3.00	0.00
63.00	1483.00	4.00	0.00
66.00	1487.00	4.00	0.00
69.00	1489.00	2.00	0.00
72.00	1491.00	2.00	0.00
75.00	1493.00	2.00	0.00
78.00	1495.00	2.00	0.00
81.00	1497.00	2.00	0.00
84.00	1499.00	2.00	0.00
87.00	1501.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

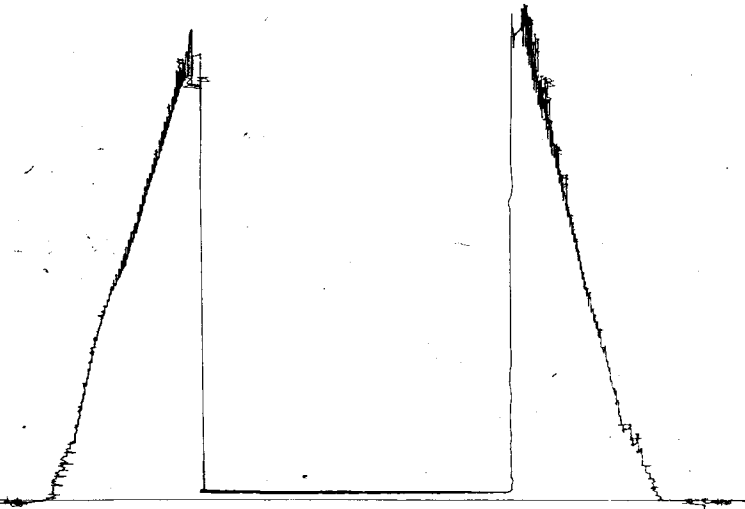
FINAL SHUT IN (CONTINUED)

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
90.00	1502.00	1.00	0.00
93.00	1503.00	1.00	0.00
96.00	1503.00	0.00	0.00
99.00	1504.00	1.00	0.00
102.00	1504.00	0.00	0.00
105.00	1505.00	1.00	0.00
108.00	1505.00	0.00	0.00
111.00	1506.00	1.00	0.00
114.00	1506.00	0.00	0.00
117.00	1507.00	1.00	0.00
120.00	1508.00	1.00	0.00

KT-18995 2604 DST3

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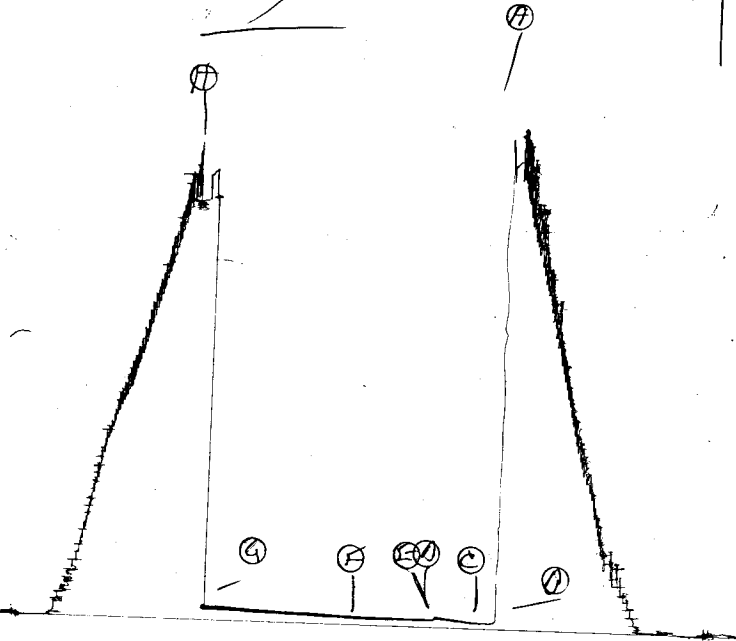
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KT-18995 #3849 DST3

1

7





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 18995

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

Elevation 2968 H.B. Formation Morrow Sandst Eff. Pay _____ Ft.

District Garden City Date 4-23-93 Customer Order No. _____

COMPANY NAME Berexco Inc.

ADDRESS 970 Fourth Financial Center Wichita, KS. 67202

LEASE AND WELL NO. Dennis 3-2 COUNTY Haskell STATE KS. Sec. 2 Twp. 29S Rge. 33W

Mail Invoice To Berexco Inc. Co. Name Same Address _____ No. Copies Requested Req.

Mail Charts To See Dist. Sheet # 3-2 Address Dennis No. Copies Requested See Dist. Sheet

Formation Test No. 3 Interval Tested From 5397 ft. to 5416 ft. Total Depth 5416 ft.

Packer Depth 5392 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 5397 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5404 ft. Recorder Number 3849 Cap. 4200

Bottom Recorder Depth (Outside) 5407 ft. Recorder Number 2604 Cap. 4150

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

Drilling Contractor Berexco Rig 2 Drill Collar Length 612 I. D. 2 1/4 in.

Mud Type Chem Viscosity 61 Weight Pipe Length _____ I. D. _____ in.

Weight 8.7 Water Loss 8.8 cc. Drill Pipe Length 4757 I. D. 3.8 in.

Chlorides 1.150 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.

Jars: Make W.T.C. Serial Number 402 Anchor Length 19 ft. Size 5 1/2 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 X.H. in.

Blow: Very weak 1/2" in Bucket throughout I.F.

Surface blow, Dried 8 min. into F.F.

Recovered 30 ft. of Dark Mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of Total Fluid Rec. 30'

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

APR 28 1993

Time On Location 2:00 A.M. Time Pick Up Tool 3:00 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 5:15 A.M. Time Started Off Bottom 9:00 A.M. Maximum Temperature 132°F

Initial Hydrostatic Pressure _____ (A) 2529 P.S.I.

Initial Flow Period _____ Minutes 15 (B) 14 P.S.I. to (C) 19 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 55 P.S.I.

Final Flow Period _____ Minutes 60 (E) 31 P.S.I. to (F) 31 P.S.I.

Final Closed In Period _____ Minutes 120 (G) 65 P.S.I.

Final Hydrostatic Pressure _____ (H) 2444 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 [Signature]

FIELD INVOICE

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

WESTERN TESTING CO., INC.

Pressure Data

Date 4-22-22 Test Ticket No. 18995
 Recorder No. 1849 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2550</u> P.S.I.		M
B First Initial Flow Pressure	<u>25</u> P.S.I.		Mins. <u>15</u> Mins.
C First Final Flow Pressure	<u>25</u> P.S.I.		Mins. <u>30</u> Mins.
D Initial Closed-in Pressure	<u>49</u> P.S.I.		Mins. <u>60</u> Mins.
E Second Initial Flow Pressure	<u>49</u> P.S.I.		Mins. <u>11</u> Mins.
F Second Final Flow Pressure	<u>49</u> P.S.I.		
G Final Closed-in Pressure	<u>82</u> P.S.I.		
H Final Hydrostatic Mud	<u>2456</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>25</u>	0	<u>25</u>	0	<u>49</u>	0	<u>49</u>
P 2 5	<u>25</u>	3	<u>36</u>	5		3	<u>50</u>
P 3 10		6	<u>39</u>	10		6	<u>51</u>
P 4 15	<u>25</u>	9	<u>45</u>	15		9	<u>52</u>
P 5 20		12	<u>48</u>	20		12	<u>53</u>
P 6 25		15	<u>50</u>	25		15	<u>54</u>
P 7 30		18	<u>52</u>	30		18	<u>55</u>
P 8 35		21	<u>54</u>	35		21	<u>56</u>
P 9 40		24	<u>57</u>	40		24	<u>57</u>
P10 45		27	<u>60</u>	45	<u>49</u>	27	<u>58</u>
P11 50		30	<u>62</u>	50		30	<u>59</u>
P12 55		33		55		33	<u>60</u>
P13 60		36		60	<u>49</u>	36	<u>60</u>
P14 65		39		65		39	<u>61</u>
P15 70		42		70		42	<u>61</u>
P16 75		45		75		45	<u>62</u>
P17 80		48		80		48	<u>63</u>
P18 85		51		85		51	<u>64</u>
P19 90		54		90		54	<u>65</u>
P20 95		57		95		57	<u>66</u>
100		60		100		60	<u>67</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

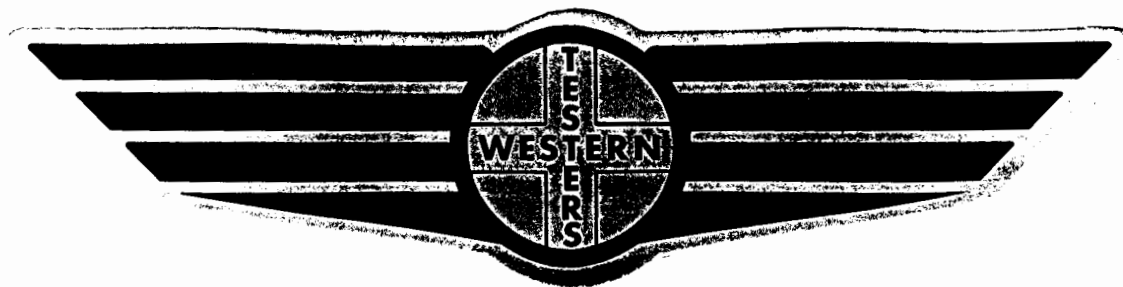
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool _____	M _____	
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure _____	Mins. _____	Mins. _____
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure _____	Mins. _____	Mins. _____
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure _____	Mins. _____	Mins. _____
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure _____	Mins. _____	Mins. _____
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud _____	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	68
P 2 110		66		110		66	69
P 3 115		69		115		69	70
P 4 120		72		120		72	71
P 5 125		75		125		75	72
P 6 130		78		130		78	73
P 7 135		81		135		81	74
P 8 140		84		140		84	75
P 9 145		87		145		87	76
P10 150		90		150		90	77
P11 155		93		155		93	78
P12 160		96		160		96	79
P13 165		99		165		99	80
P14 170		102		170		102	81
P15 175		105		175		105	81
P16 180		108		180		108	82
P17 185		111		185		111	82
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY BEREXCO, INC.

LEASE & WELL NO. #3-2 DENNIS

SEC. 2 TWP. 29S RGE. 33W TEST NO. 3 DATE 4/23/93

DST REPORT

GENERAL INFORMATION

DATE	: 4/23/93	TICKET	: 18995
CUSTOMER	: BEREXCO, INC.	LEASE	: DENNIS
WELL	: #3-2	TEST:	3
ELEVATION:	2968 KB	GEOLOGIST:	GRIEVES
SECTION	: 2	FORMATION:	MORROW SDST
RANGE	: 33W	TOWNSHIP	: 29S
GAUGE SN#:	3849	STATE	: KS
		CLOCK	: 12
	COUNTY: HASKELL		
	RANGE : 4200		

WELL INFORMATION

PERFORATION INTERVAL FROM:	5397.00 ft	TO:	5416.00 ft	TVD:	5416.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5404.0 ft		5407.0 ft		
TEMPERATURE:	132.0				
DRILL COLLAR LENGTH:	612.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4757.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	19.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	5392.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5397.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	BEREDCO RIG 2	VISCOSITY :	61.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.800 cc
WEIGHT :	8.700 ppg		
CHLORIDES :	1150 ppm	SERIAL NUMBER:	402
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK 1/2 INCH BLOW IN
BUCKET THROUGHOUT. FINAL FLOW PERIOD SURFACE
BLOW-DIED IN 8 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.1475	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1475	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2529.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	14.00	19.00
INITIAL SHUT-IN	30.00		55.00
FINAL FLOW	60.00	31.00	31.00
FINAL SHUT-IN	120.00		65.00

FINAL HYDROSTATIC PRESSURE: 2444.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2550.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	35.00	35.00
INITIAL SHUT-IN	30.00		63.00
FINAL FLOW	60.00	49.00	49.00
FINAL SHUT-IN	111.00		82.00

FINAL HYDROSTATIC PRESSURE: 2436.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 4/23/93	TICKET : 18995
CUSTOMER : BEREXCO, INC.	LEASE : DENNIS
WELL : #3-2 TEST: 3	GEOLOGIST: GRIEVES
ELEVATION: 2968 KB	FORMATION: MORROW SDST
SECTION : 2	TOWNSHIP : 29S
RANGE : 33W COUNTY: HASKELL	STATE : KS
GAUGE SN#: 3849 RANGE : 4200	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	35.00	35.00
5.00	35.00	0.00
10.00	35.00	0.00
15.00	35.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	36.00	36.00	0.00
6.00	39.00	3.00	0.00
9.00	45.00	6.00	0.00
12.00	48.00	3.00	0.00
15.00	50.00	2.00	0.00
18.00	52.00	2.00	0.00
21.00	54.00	2.00	0.00
24.00	57.00	3.00	0.00
27.00	60.00	3.00	0.00
30.00	63.00	3.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	49.00	49.00
5.00	49.00	0.00
10.00	49.00	0.00
15.00	49.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
20.00	49.00	0.00
25.00	49.00	0.00
30.00	49.00	0.00
35.00	49.00	0.00
40.00	49.00	0.00
45.00	49.00	0.00
50.00	49.00	0.00
55.00	49.00	0.00
60.00	49.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	50.00	50.00	0.00
6.00	51.00	1.00	0.00
9.00	52.00	1.00	0.00
12.00	53.00	1.00	0.00
15.00	54.00	1.00	0.00
18.00	55.00	1.00	0.00
21.00	56.00	1.00	0.00
24.00	57.00	1.00	0.00
27.00	58.00	1.00	0.00
30.00	59.00	1.00	0.00
33.00	60.00	1.00	0.00
36.00	60.00	0.00	0.00
39.00	61.00	1.00	0.00
42.00	61.00	0.00	0.00
45.00	62.00	1.00	0.00
48.00	63.00	1.00	0.00
51.00	64.00	1.00	0.00
54.00	65.00	1.00	0.00
57.00	66.00	1.00	0.00
60.00	67.00	1.00	0.00
63.00	68.00	1.00	0.00
66.00	69.00	1.00	0.00
69.00	70.00	1.00	0.00
72.00	71.00	1.00	0.00
75.00	72.00	1.00	0.00
78.00	73.00	1.00	0.00
81.00	74.00	1.00	0.00
84.00	75.00	1.00	0.00
87.00	76.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
90.00	77.00	1.00	0.00
93.00	78.00	1.00	0.00
96.00	79.00	1.00	0.00
99.00	80.00	1.00	0.00
102.00	81.00	1.00	0.00
105.00	81.00	0.00	0.00
108.00	82.00	1.00	0.00
111.00	82.00	0.00	0.00