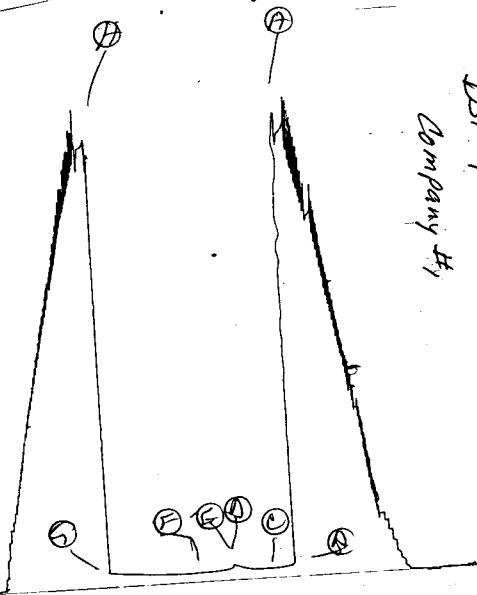


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DST #  
Company #

1562

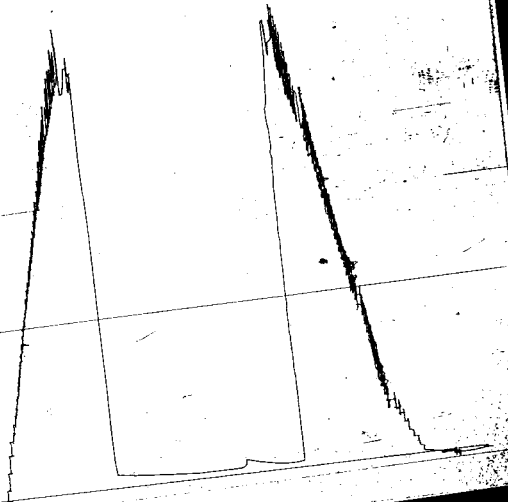
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DST #1

Company #1

JKH 19002  
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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No 19002

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

Elevation G.E. 2983 Formation Morrow Snd. Eff. Pay Ft.

District Garden City Date 3-18-93 Customer Order No.

COMPANY NAME Berexco Inc

ADDRESS 970 Fourth Financial Center, Wichita Ks, 67202

LEASE AND WELL NO. The Company COUNTY Finney STATE KS, Sec. 18 Twp. 23w. Rge. 34

Mail Invoice To See Distribution sheet No. Copies Requested Reg

Mail Charts To #1-18 Company Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4738 ft. to 4765 ft. Total Depth 4765 ft.

Packer Depth 4733 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 4738 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4756 ft. Recorder Number 1562 Cap. 3900

Bottom Recorder Depth (Outside) 4759 ft. Recorder Number 10242 Cap. 4100

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Berexco #1 Drill Collar Length 605 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 59 Weight Pipe Length I. D. in.

Weight 9.0 Water Loss 8.4 cc. Drill Pipe Length 4105 I. D. 3.8 in.

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

Jars: Make WTC Serial Number 405 Anchor Length 27 ft. Size 5 1/2 od in.

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

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

Blow: Weak, 1/4" Blow 15 min, I.F.P.

No Blow on F.F.P.

Recovered 5 ft. of Drilg mud.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks: (Total Fluid 5')

MAR 22 1993

Time On Location 7:30 A.M. Time Pick Up Tool 9:30 P.M. Time Off Location A.M.

Time Set Packer(s) 11:14 P.M. Time Started Off Bottom 1:29 P.M. Maximum Temperature 110° P

Initial Hydrostatic Pressure (A) 2310 P.S.I.

Initial Flow Period Minutes 15 (B) 60 P.S.I. to (C) 60 P.S.I.

Initial Closed In Period Minutes 30 (D) 80 P.S.I.

Final Flow Period Minutes 30 (E) 60 P.S.I. to (F) 60 P.S.I.

Final Closed In Period Minutes 60 (G) 80 P.S.I.

Final Hydrostatic Pressure (H) 2290 P.S.I. 1562

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 Brad Boy Thank you

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**

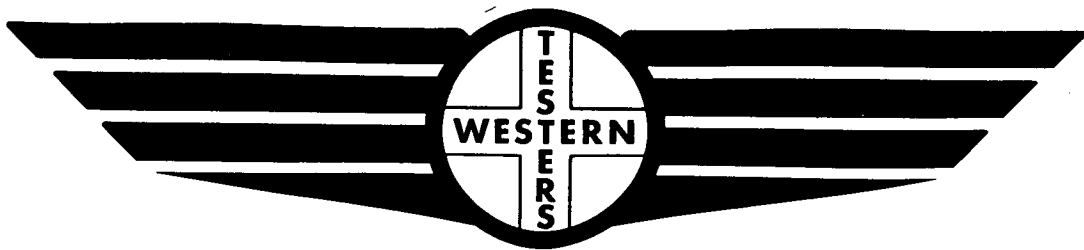
Date P-18-92 Test Ticket No. 19002  
 Recorder No. 1562 Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft.  
 Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2241</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>56</u> P.S.I.	First Flow Pressure	Mins. <u>15</u>	Mins.
C First Final Flow Pressure	<u>56</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>40</u>	Mins.
D Initial Closed-in Pressure	<u>84</u> P.S.I.	Second Flow Pressure	Mins. <u>40</u>	Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	Final Closed-in Pressure	Mins. <u>40</u>	Mins.
F Second Final Flow Pressure	<u>56</u> P.S.I.			
G Final Closed-in Pressure	<u>80</u> P.S.I.			
H Final Hydrostatic Mud	<u>2274</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>56</u>	0	<u>56</u>	0	<u>56</u>	0	<u>56</u>
P 2 5	<u>56</u>	3	<u>56</u>	5	<u>56</u>	3	<u>56</u>
P 3 10	<u>56</u>	6	<u>56</u>	10	<u>56</u>	6	<u>56</u>
P 4 15	<u>56</u>	9	<u>56</u>	15	<u>56</u>	9	<u>56</u>
P 5 20	<u>56</u>	12	<u>56</u>	20	<u>56</u>	12	<u>56</u>
P 6 25	<u>56</u>	15	<u>57</u>	25	<u>56</u>	15	<u>56</u>
P 7 30	<u>56</u>	18	<u>60</u>	30	<u>56</u>	18	<u>56</u>
P 8 35	<u>56</u>	21	<u>60</u>	35	<u>56</u>	21	<u>57</u>
P 9 40	<u>56</u>	24	<u>70</u>	40	<u>56</u>	24	<u>57</u>
P10 45	<u>56</u>	27	<u>77</u>	45	<u>56</u>	27	<u>58</u>
P11 50	<u>56</u>	30	<u>84</u>	50	<u>56</u>	30	<u>58</u>
P12 55	<u>56</u>	33	<u>84</u>	55	<u>56</u>	33	<u>60</u>
P13 60	<u>56</u>	36	<u>84</u>	60	<u>56</u>	36	<u>62</u>
P14 65	<u>56</u>	39	<u>84</u>	65	<u>56</u>	39	<u>64</u>
P15 70	<u>56</u>	42	<u>84</u>	70	<u>56</u>	42	<u>66</u>
P16 75	<u>56</u>	45	<u>84</u>	75	<u>56</u>	45	<u>68</u>
P17 80	<u>56</u>	48	<u>84</u>	80	<u>56</u>	48	<u>70</u>
P18 85	<u>56</u>	51	<u>84</u>	85	<u>56</u>	51	<u>72</u>
P19 90	<u>56</u>	54	<u>84</u>	90	<u>56</u>	54	<u>74</u>
P20 95	<u>56</u>	57	<u>84</u>	95	<u>56</u>	57	<u>77</u>
100	<u>56</u>	60	<u>84</u>	100	<u>56</u>	60	<u>80</u>

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

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

COMPANY BEREXCO, INC. LEASE & WELL NO. #1-18 COMPANY SEC. 18 TWP. 23S RGE. 34W TEST NO. 1 DATE 3/18/93

DST REPORT

GENERAL INFORMATION

DATE : 3-18-93 TICKET : 19002  
CUSTOMER : BEREXCO INC. LEASE : COMPANY  
WELL : #1-18 TEST: 1 GEOLOGIST: ED GREIVES  
ELEVATION: 2983 G.E. FORMATION: MORROW SAND  
SECTION : 18 TOWNSHIP : 23W  
RANGE : 345 COUNTY: FINNEY STATE : KS  
GAUGE SN#: 1562 RANGE : 3900 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4738.00 ft TO: 4765.00 ft TVD: 4765.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4756.0 ft 4759.0 ft  
TEMPERATURE: 110.0

DRILL COLLAR LENGTH: 605.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4105.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 27.0 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: 4733.0 ft SIZE: 6.750 in  
PACKER DEPTH: 4738.0 ft SIZE: 6.750 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : BEREDCO #1  
MUD TYPE : CHEMICAL VISCOSITY : 59.00 cp  
WEIGHT : 9.000 ppg WATER LOSS: 8.400 cc  
CHLORIDES : 1400 ppm  
JARS-MAKE : WTC SERIAL NUMBER: 405  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

WEAK BLOW 1/4" BLOW 15 MINUTES INITIAL FLOW PERIOD  
NO BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	45.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.0246 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.0246 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2310.00

Description	Duration	p <sub>i</sub>	p End
INITIAL FLOW	15.00	60.00	60.00
INITIAL SHUT-IN	30.00		80.00
FINAL FLOW	30.00	60.00	60.00
FINAL SHUT-IN	60.00		80.00

FINAL HYDROSTATIC PRESSURE: 2290.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2341.00

Description	Duration	p <sub>i</sub>	p End
INITIAL FLOW	15.00	56.00	56.00
INITIAL SHUT-IN	30.00		84.00
FINAL FLOW	30.00	56.00	56.00
FINAL SHUT-IN	60.00		80.00

FINAL HYDROSTATIC PRESSURE: 2274.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 3-18-93	TICKET	: 19002
CUSTOMER	: BEREXCO INC.	LEASE	: COMPANY
WELL	: #1-18	TEST:	: 1
ELEVATION	: 2983 G.E.	GEOLOGIST	: ED GREIVES
SECTION	: 18	FORMATION	: MORROW SAND
RANGE	: 34S	COUNTY	: FINNEY
GAUGE SN#	: 1562	RANGE	: 3900
		STATE	: KS
		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	56.00	56.00
5.00	56.00	0.00
10.00	56.00	0.00
15.00	56.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	56.00	56.00	0.00
6.00	56.00	0.00	0.00
9.00	56.00	0.00	0.00
12.00	56.00	0.00	0.00
15.00	57.00	1.00	0.00
18.00	60.00	3.00	0.00
21.00	66.00	6.00	0.00
24.00	70.00	4.00	0.00
27.00	77.00	7.00	0.00
30.00	84.00	7.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	56.00	56.00
5.00	56.00	0.00
10.00	56.00	0.00
15.00	56.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
20.00	56.00	0.00
25.00	56.00	0.00
30.00	56.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	56.00	56.00	0.00
6.00	56.00	0.00	0.00
9.00	56.00	0.00	0.00
12.00	56.00	0.00	0.00
15.00	56.00	0.00	0.00
18.00	56.00	0.00	0.00
21.00	57.00	1.00	0.00
24.00	57.00	0.00	0.00
27.00	58.00	1.00	0.00
30.00	58.00	0.00	0.00
33.00	60.00	2.00	0.00
36.00	62.00	2.00	0.00
39.00	64.00	2.00	0.00
42.00	66.00	2.00	0.00
45.00	68.00	2.00	0.00
48.00	70.00	2.00	0.00
51.00	72.00	2.00	0.00
54.00	74.00	2.00	0.00
57.00	77.00	3.00	0.00
60.00	80.00	3.00	0.00

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 : MARCH 22, 1993

WELL NAME & NUMBER: #1-18 COMPANY

TEST NUMBERS: 1 & 2

LOCATION: FINNEY 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 + 2 COPY)

UNION PACIFIC RESOURCES  
PO BOX 7  
FORT WORTH, TEXAS 76101-0007  
ATTN: JERRY DRAKE  
(2 COPIES)

DISTRIBUTION SHEET

WELL The Company #1-18  
 LOCATION Sec. 18-23S-34W, Finney Co., KS

TELECOPY (ORDER)	TYPED GEOLOGIC REPORTS	MUD LOG PRINTS	DST	ELECTRIC LOG (INC. SAMPLE LOG) PRINTS	COMPANY
Yes (1)	3	3	2	5	BEREXCO INC. 5101 N. Classen Suite 205 Oklahoma City, OK 73118 (405) 848-1165 Fax (405) 842-6539
Yes (3)	2	2	2	3	BEREXCO INC. 970 Fourth Financial Center Wichita, KS 67202 316-265-3311 Fax (316) 265-2994
Yes (4)	2	2	2	2	Union Pacific Resources P. O. Box 7 Fort Worth, TX 76101-0007 Attn: Jerry Drake Phone: 817-877-6747 Fax: 817-877-7309
Yes (2)	2	2	2	6	McCoy Petroleum Corporation 110 South Main, Suite 500 Wichita, KS 67202 Attn: Kevin McCoy Fax (316) 265-8530

JK4 19002

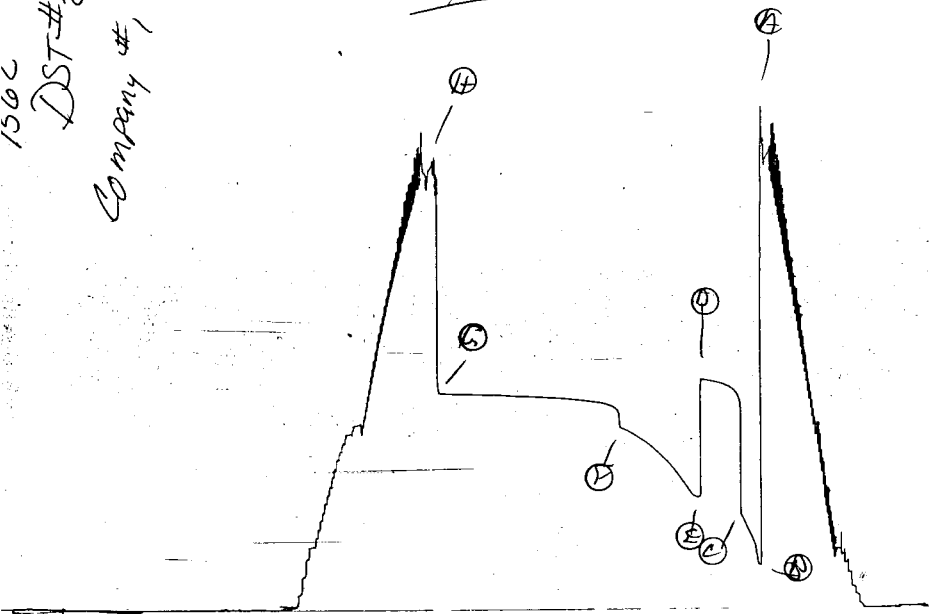
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DST #2

Company #1

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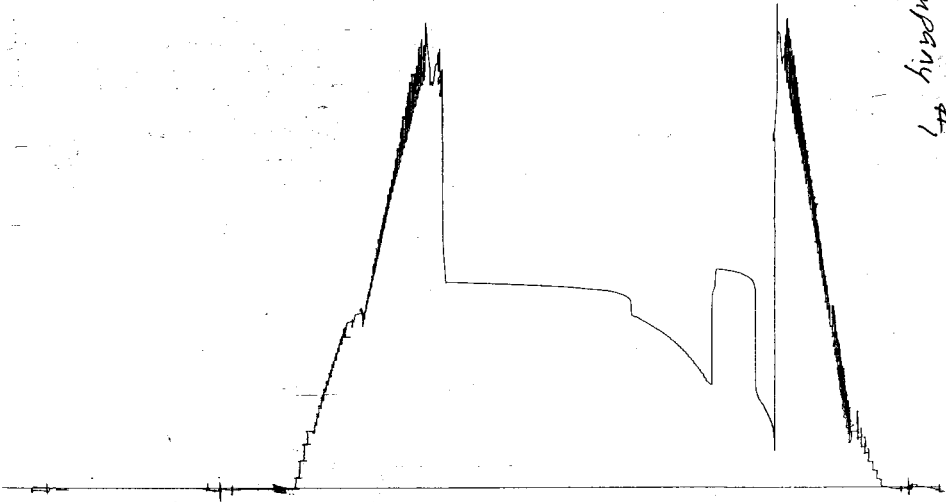
JK 19003

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DST # 2  
Company # 1

10242





WESTERN TESTING CO., INC.  
FORMATION TESTING

1st Test?

No 19003

TICKET

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

Elevation G.E. 2983 Formation Morrow Eff. Pay 5 Ft.

District Garden City Date 3-19-93 Customer Order No. \_\_\_\_\_

COMPANY NAME Berexco Inc

ADDRESS 970 Fourth Financial Center, Wichita KS, 67202

LEASE AND WELL NO. The Company COUNTY Finney STATE KS Sec. 18 Twp. 23N Rge. 34E

Mail Invoice To See Distribution Sheet #1-18 Company No. Copies Requested Reg  
Co. Name " " Address " " " "

Mail Charts To \_\_\_\_\_ No. Copies Requested \_\_\_\_\_  
Address \_\_\_\_\_

Formation Test No. 7 Interval Tested From 4802 1/2 ft. to 4830 ft. Total Depth 4830 ft.

Packer Depth 4798 ft. Size 6 5/8 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4803 ft. Size 6 5/8 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4820 ft. Recorder Number 1562 Cap. 3900

Bottom Recorder Depth (Outside) 4823 ft. Recorder Number 10242 Cap. 4100

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor Beredco #1 Drill Collar Length 605 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 54 Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Weight 8.9 Water Loss 8.2 cc. Drill Pipe Length 4169 1/2 I. D. 3.8 in.

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

Jars: Make LTC Serial Number 405 Anchor Length 27 1/2 ft. Size 5 1/2 od in.

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

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

Blow: Bottom Bucket In 1 1/2 min Strong Blow, F.F.P.

Bottom Bucket In 3 min Strong Blow, F.F.P.

Recovered 100 ft. of Muddy salt water 20% mud 80% water

Recovered 1900 ft. of salt water

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Chlorides 100,000 P.P.M. Sample Jars used \_\_\_\_\_ Remarks (Total Fluid 2,000')

MAR 22 1993

Time On Location 8:00 A.M. Time Pick Up Tool 10:00 P.M. Time Off Location \_\_\_\_\_ A.M.

Time Set Packer(s) 11:28 A.M. Time Started Off Bottom 3:13 P.M. Maximum Temperature 112°F

Initial Hydrostatic Pressure (A) 2339 P.S.I.

Initial Flow Period Minutes 15 (B) 230 P.S.I. to (C) 480 P.S.I.

Initial Closed In Period Minutes 30 (D) 1183 P.S.I.

Final Flow Period Minutes 60 (E) 579 P.S.I. to (F) 936 P.S.I.

Final Closed In Period Minutes 120 (G) 1114 P.S.I.

Final Hydrostatic Pressure (H) 2320 P.S.I. 1562

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 Glenn H. Meyer  
Signature of Customer or his authorized representative

Western Representative Brad Boy Thank you.

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 P-19-93

Test Ticket No. 19002

Recorder No. 1568

Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft.

Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2340</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>220</u> P.S.I.	First Flow Pressure	Mins. <u>15</u>	Mins.
C First Final Flow Pressure	<u>482</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>20</u>	Mins.
D Initial Closed-in Pressure	<u>1176</u> P.S.I.	Second Flow Pressure	Mins. <u>40</u>	Mins.
E Second Initial Flow Pressure	<u>575</u> P.S.I.	Final Closed-in Pressure	Mins. <u>35</u>	Mins.
F Second Final Flow Pressure	<u>929</u> P.S.I.			
G Final Closed-in Pressure	<u>1115</u> P.S.I.			
H Final Hydrostatic Mud	<u>2283</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>220</u>	0	<u>482</u>	0	<u>575</u>	0	<u>929</u>
P 2 5	<u>220</u>	3	<u>1088</u>	5	<u>575</u>	3	<u>1022</u>
P 3 10	<u>412</u>	6	<u>1120</u>	10	<u>621</u>	6	<u>1028</u>
P 4 15	<u>482</u>	9	<u>1125</u>	15	<u>670</u>	9	<u>1047</u>
P 5 20		12	<u>1147</u>	20	<u>717</u>	12	<u>1055</u>
P 6 25		15	<u>1154</u>	25	<u>755</u>	15	<u>1059</u>
P 7 30		18	<u>1161</u>	30	<u>790</u>	18	<u>1062</u>
P 8 35		21	<u>1164</u>	35	<u>820</u>	21	<u>1067</u>
P 9 40		24	<u>1170</u>	40	<u>850</u>	24	<u>1069</u>
P10 45		27	<u>1173</u>	45	<u>870</u>	27	<u>1072</u>
P11 50		30	<u>1176</u>	50	<u>894</u>	30	<u>1075</u>
P12 55		33		55	<u>914</u>	33	<u>1077</u>
P13 60		36		60	<u>929</u>	36	<u>1079</u>
P14 65		39		65		39	<u>1081</u>
P15 70		42		70		42	<u>1082</u>
P16 75		45		75		45	<u>1085</u>
P17 80		48		80		48	<u>1087</u>
P18 85		51		85		51	<u>1089</u>
P19 90		54		90		54	<u>1091</u>
P20 95		57		95		57	<u>1092</u>
100		60		100		60	<u>1092</u>

WESTERN TESTING CO., INC.

Pressure Data

Date \_\_\_\_\_

Test Ticket No. 1900

Recorder No. \_\_\_\_\_ Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft. \_\_\_\_\_

Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

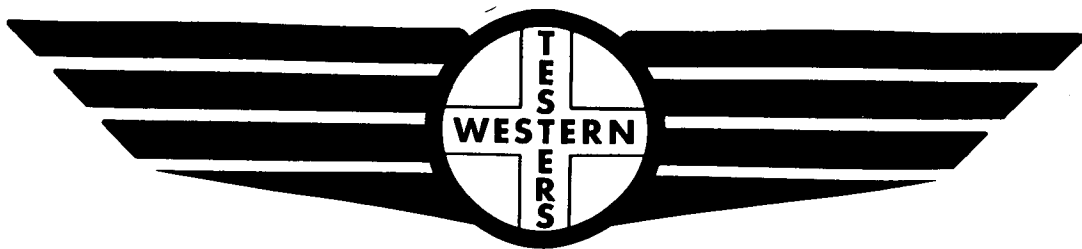
Point	Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud _____ P.S.I.	Open Tool	_____ M	_____ M
B	First Initial Flow Pressure _____ P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C	First Final Flow Pressure _____ P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D	Initial Closed-in 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	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.						
P 1	105	63		105		63	1094
P 2	110	66		110		66	1095
P 3	115	69		115		69	1096
P 4	120	72		120		72	5
P 5	125	75		125		75	1096
P 6	130	78		130		78	1097
P 7	135	81		135		81	1098
P 8	140	84		140		84	1100
P 9	145	87		145		87	1102
P10	150	90		150		90	1104
P11	155	93		155		93	1105
P12	160	96		160		96	1106
P13	165	99		165		99	1107
P14	170	102		170		102	1108
P15	175	105		175		105	1109
P16	180	108		180		108	1109
P17	185	111		185		111	1110
P18	190	114		190		114	5
P19	195	117		195		117	5
P20	200	120		200		120	1110

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY BEREXCO, INC. LEASE & WELL NO. #1-18 COMPANY SEC. 18 TWP. 23S RGE 34W TEST NO. 2 DATE 3/19/93

DST REPORT

GENERAL INFORMATION

DATE : 3-19-93 TICKET : 19003  
CUSTOMER : BEREXCO INC. LEASE : COMPANY  
WELL : #1-18 TEST: 2 GEOLOGIST: ED GREIVES  
ELEVATION: 2983 G.E. FORMATION: MORROW SAND  
SECTION : 18 TOWNSHIP : 23W  
RANGE : 34S COUNTY: FINNEY STATE : KS  
GAUGE SN#: 1562 RANGE : 3900 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4802.50 ft TO: 4830.00 ft TVD: 4830.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4820.0 ft 4823.0 ft  
TEMPERATURE: 112.0

DRILL COLLAR LENGTH: 605.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4169.5 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 27.5 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: 4798.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4803.0 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 #1  
MUD TYPE : CHEMICAL VISCOSITY : 54.00 cp  
WEIGHT : 8.900 ppg WATER LOSS: 8.200 cc  
CHLORIDES : 1400 ppm  
JARS-MAKE : WTC SERIAL NUMBER: 405  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

BOTTOM OF BUCKET IN 1.5 MINUTES -STRONG BLOW  
INITIAL FLOW PERIOD. BOTTOM BUCKET IN 3 MINUTES  
STRONG BLOW FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
100.0	0.0	0.0	80.0	20.0	MUDDY SALT WATER
1900.0	0.0	0.0	100.0	0.0	SALT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 100000 FPM

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:	0.2805 STB	AVERAGE WATER RATE:	432.8034 STB/D
WATER VOLUME:	22.2613 STB		
TOTAL FLUID :	22.5418 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2339.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	230.00	480.00
INITIAL SHUT-IN	30.00		1183.00
FINAL FLOW	60.00	579.00	936.00
FINAL SHUT-IN	120.00		1114.00

FINAL HYDROSTATIC PRESSURE: 2320.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2340.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	220.00	483.00
INITIAL SHUT-IN	30.00		1176.00
FINAL FLOW	60.00	575.00	929.00
FINAL SHUT-IN	135.00		1115.00

FINAL HYDROSTATIC PRESSURE: 2283.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 3-19-93	TICKET	: 19003
CUSTOMER	: BEREXCO INC.	LEASE	: COMPANY
WELL	: #1-18	TEST:	2
ELEVATION:	2983 G.E.	GEOLOGIST:	ED GREIVES
SECTION	: 18	FORMATION:	MORROW SAND
RANGE	: 34S	COUNTY:	FINNEY
GAUGE SN#:	1562	STATE	: KS
		RANGE	: 3900
		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	220.00	220.00
5.00	333.00	113.00
10.00	412.00	79.00
15.00	483.00	71.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1088.00	1088.00	0.00
6.00	1120.00	32.00	0.00
9.00	1135.00	15.00	0.00
12.00	1147.00	12.00	0.00
15.00	1156.00	9.00	0.00
18.00	1161.00	5.00	0.00
21.00	1164.00	3.00	0.00
24.00	1170.00	6.00	0.00
27.00	1173.00	3.00	0.00
30.00	1176.00	3.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	575.00	575.00
5.00	575.00	0.00
10.00	621.00	46.00
15.00	670.00	49.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
20.00	717.00	47.00
25.00	755.00	38.00
30.00	790.00	35.00
35.00	820.00	30.00
40.00	850.00	30.00
45.00	870.00	20.00
50.00	896.00	26.00
55.00	916.00	20.00
60.00	929.00	13.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1023.00	1023.00	0.00
6.00	1038.00	15.00	0.00
9.00	1047.00	9.00	0.00
12.00	1055.00	8.00	0.00
15.00	1059.00	4.00	0.00
18.00	1062.00	3.00	0.00
21.00	1067.00	5.00	0.00
24.00	1069.00	2.00	0.00
27.00	1072.00	3.00	0.00
30.00	1075.00	3.00	0.00
33.00	1077.00	2.00	0.00
36.00	1079.00	2.00	0.00
39.00	1081.00	2.00	0.00
42.00	1083.00	2.00	0.00
45.00	1085.00	2.00	0.00
48.00	1087.00	2.00	0.00
51.00	1089.00	2.00	0.00
54.00	1091.00	2.00	0.00
57.00	1092.00	1.00	0.00
60.00	1093.00	1.00	0.00
63.00	1094.00	1.00	0.00
66.00	1095.00	1.00	0.00
69.00	1096.00	1.00	0.00
72.00	1096.00	0.00	0.00
75.00	1096.00	0.00	0.00
78.00	1097.00	1.00	0.00
81.00	1098.00	1.00	0.00
84.00	1100.00	2.00	0.00
87.00	1102.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

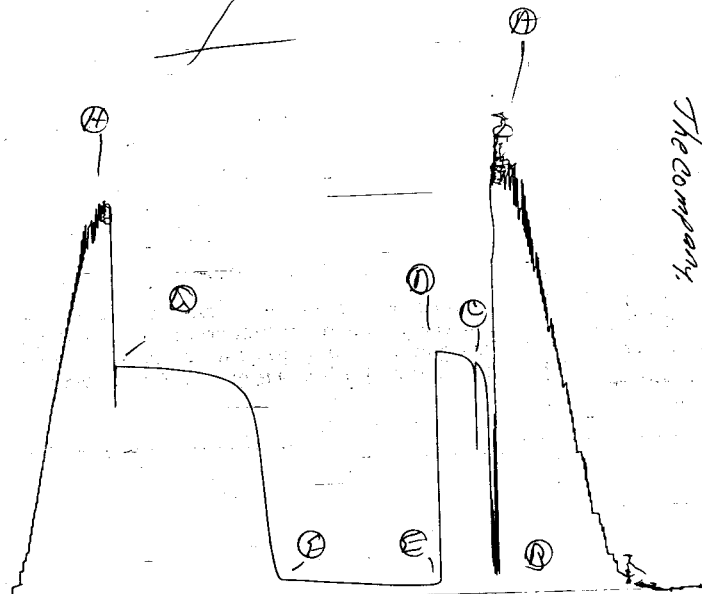
FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
90.00	1104.00	2.00	0.00
93.00	1105.00	1.00	0.00
96.00	1106.00	1.00	0.00
99.00	1107.00	1.00	0.00
102.00	1108.00	1.00	0.00
105.00	1109.00	1.00	0.00
108.00	1109.00	0.00	0.00
111.00	1110.00	1.00	0.00
114.00	1110.00	0.00	0.00
117.00	1110.00	0.00	0.00
120.00	1110.00	0.00	0.00
123.00	1111.00	1.00	0.00
126.00	1112.00	1.00	0.00
129.00	1113.00	1.00	0.00
132.00	1114.00	1.00	0.00
135.00	1115.00	1.00	0.00

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The company,

DST #3

1562

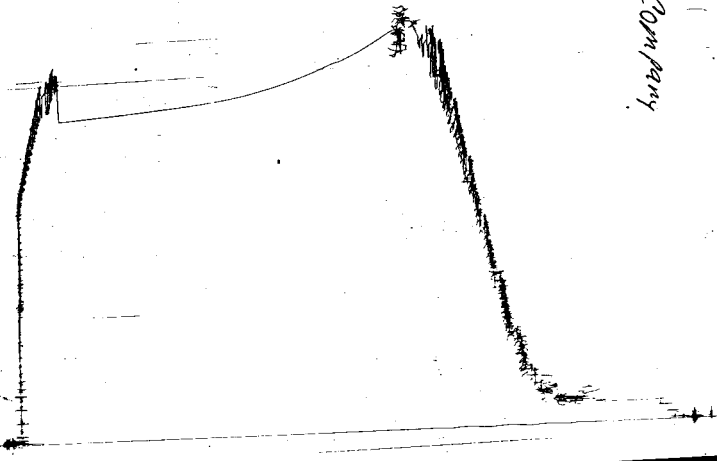
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Below Saddle

DST #  
The Company

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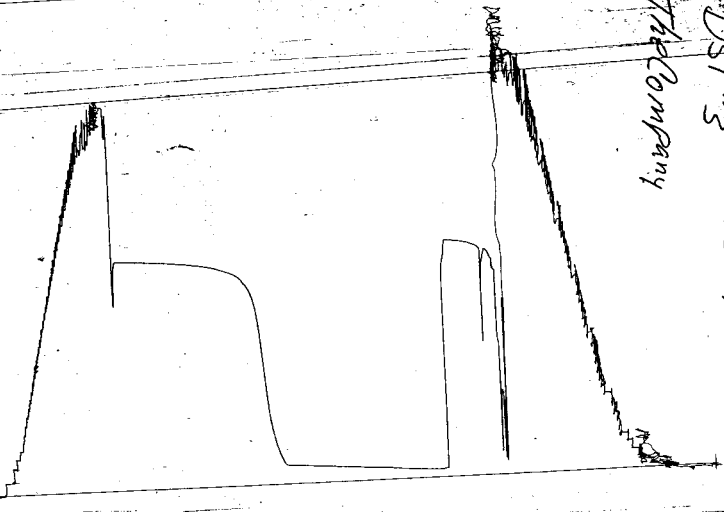
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The Company

DST #3

10242



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 : MARCH 23, 1993

WELL NAME & NUMBER: #1-18 COMPANY

TEST NUMBERS: 3

LOCATION: FINNEY 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 + 2 COPY)

UNION PACIFIC RESOURCES  
PO BOX 7  
FORT WORTH, TEXAS 76101-0007  
ATTN: JERRY DRAKE  
(2 COPIES)



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No. 19004

Permit # 11-1916

P. O. BOX 1599 WICHITA, KANSAS 67201

Elevation G.E. 2983 Formation Pawnee Eff. Pay 8 Ft.

District Garden City Date 3-21-93 Customer Order No.

COMPANY NAME Berexco Inc.

ADDRESS 970 Fourth Financial Center, Wichita KS, 67202

LEASE AND WELL NO. The Company COUNTY Finney STATE KS Sec. 18 Twp 23 Rge. 34

Mail Invoice To See Dist. Sheet #11-18 No. Copies Requested Reg

Mail Charts To Co. Name " COMPANY No. Copies Requested "

Formation Test No. 3 Interval Tested From 4390 ft. to 4412 ft. Total Depth 5000 ft.

Packer Depth 4387 ft. Size 6 5/8 in. Packer Depth 4412 ft. Size 6 5/8 in.

Packer Depth 4390 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set 4658

Top Recorder Depth (Inside) 4397 ft. Recorder Number 1562 Cap. 3900

Bottom Recorder Depth (Outside) 4400 ft. Recorder Number 10242 Cap. 4100

Below Straddle Recorder Depth 4655 ft. Recorder Number 13630 Cap. 4625

Drilling Contractor Beredan #1 Drill Collar Length 376 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 60 Weight Pipe Length 3986 I. D. 3.8 in.

Weight 9.0 Water Loss 6.4 cc. Drill Pipe Length 3986 I. D. 3.8 in.

Chlorides 1800 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 od in.

Jars: Make WTC Serial Number 405 Anchor Length 22 ft. Size 5 1/2 od in.

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

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

Blow: Very weak surface blow of 15 min. I.F.P.

Very weak to strong blow bottom bucket in 42 min. F.F.P.

Recovered 315 ft. of gas in pipe

Recovered 65 ft. of clean gassy oil (30 gravity @ 60 F)

Recovered 110 ft. of mud cut oil & gas 45% mud 40% oil 15% gas

Recovered 30 ft. of mud cut oil & gas cut mud 87% mud, 10% oil 3% gas.

Recovered ft. of Chlorides P.P.M. Sample Jars used 4 Remarks (Total Fluid 205')

MAR 23 1993

Time On Location 3:00 A.M. Time Pick Up Tool 4:30 P.M. Time Off Location A.M. P.M.

Time Set Packer(s) 7:00 P.M. Time Started Off Bottom 11:45 P.M. Maximum Temperature 106 F

Initial Hydrostatic Pressure (A) 2083 P.S.I.

Initial Flow Period Minutes 15 (B) 100 P.S.I. to (C) 100 P.S.I.

Initial Closed In Period Minutes 30 (D) 1252 P.S.I.

Final Flow Period Minutes 120 (E) 60 P.S.I. to (F) 100 P.S.I.

Final Closed In Period Minutes 120 (G) 1213 P.S.I.

Final Hydrostatic Pressure (H) 2023 P.S.I. 1562

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 Brad Boyt Thankyou

FIELD INVOICE

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

WESTERN TESTING CO., INC.

Pressure Data

Date 3-21-92

Test Ticket No. 19004

Recorder No. 1562

Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft.

Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2152</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>94</u> P.S.I.	First Flow Pressure	Mins. <u>15</u>	Mins.
C First Final Flow Pressure	<u>1187</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>20</u>	Mins.
D Initial Closed-in Pressure	<u>1259</u> P.S.I.	Second Flow Pressure	Mins. <u>40</u>	Mins.
E Second Initial Flow Pressure	<u>56</u> P.S.I.	Final Closed-in Pressure	Mins. <u>40</u>	Mins.
F Second Final Flow Pressure	<u>105</u> P.S.I.			
G Final Closed-in Pressure	<u>1227</u> P.S.I.			
H Final Hydrostatic Mud	<u>2043</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown: _____ Inc.	of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc.	of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc.	of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc.	of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1 0	<u>94</u>	0	<u>1187</u>	0	<u>56</u>	0	<u>105</u>	0
P 2 5	<u>134</u>	3	<u>1188</u>	3		5	<u>138</u>	3
P 3 10	<u>1187</u>	6	<u>1209</u>	6		10	<u>221</u>	6
P 4 15	<u>1187</u>	9	<u>1222</u>	9		15	<u>407</u>	9
P 5 20		12	<u>1232</u>	12		20	<u>650</u>	12
P 6 25		15	<u>1239</u>	15		25	<u>850</u>	15
P 7 30		18	<u>1245</u>	18	<u>56</u>	30	<u>959</u>	18
P 8 35		21	<u>1249</u>	21	<u>57</u>	35	<u>1017</u>	21
P 9 40		24	<u>1252</u>	24	<u>58</u>	40	<u>1057</u>	24
P10 45		27	<u>1255</u>	27	<u>60</u>	45	<u>1084</u>	27
P11 50		30	<u>1259</u>	30	<u>62</u>	50	<u>1105</u>	30
P12 55		33		33	<u>66</u>	55	<u>1121</u>	33
P13 60		36		36	<u>69</u>	60	<u>1131</u>	36
P14 65		39		39	<u>72</u>	65	<u>1142</u>	39
P15 70		42		42	<u>75</u>	70	<u>1152</u>	42
P16 75		45		45	<u>78</u>	75	<u>1159</u>	45
P17 80		48		48	<u>81</u>	80	<u>1166</u>	48
P18 85		51		51	<u>84</u>	85	<u>1171</u>	51
P19 90		54		54	<u>86</u>	90	<u>1178</u>	54
P20 95		57		57	<u>89</u>	95	<u>1184</u>	57
100		60		60	<u>92</u>	100	<u>1186</u>	60

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date \_\_\_\_\_

Test Ticket No. 1900

Recorder No. \_\_\_\_\_ Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft.

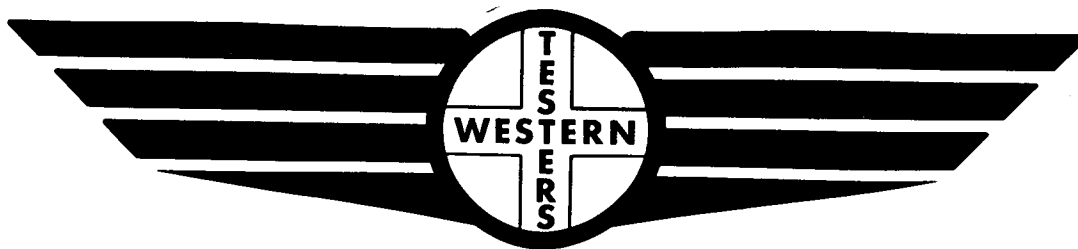
Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

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 1 105	_____	63	95	63
P 2 110	_____	66	98	66
P 3 115	_____	69	100 <del>98</del>	69
P 4 120	_____	72	101	72
P 5 125	_____	75	_____	75
P 6 130	_____	78	_____	78
P 7 135	_____	81	_____	81
P 8 140	_____	84	_____	84
P 9 145	_____	87	_____	87
P10 150	_____	90	_____	90
P11 155	_____	93	_____	93
P12 160	_____	96	_____	96
P13 165	_____	99	_____	99
P14 170	_____	102	_____	102
P15 175	_____	105	_____	105
P16 180	_____	108	_____	108
P17 185	_____	111	_____	111
P18 190	_____	114	_____	114
P19 195	_____	117	_____	117
P20 200	_____	120	_____	120

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 3/21/93  
CUSTOMER : BEREXCO INC.  
WELL : #1-18 TEST: 3  
ELEVATION: 2983 G.E.  
SECTION : 18  
RANGE : 34S COUNTY: FINNEY  
GAUGE SN#: 1562 RANGE : 3900  
TICKET : 19004  
LEASE : COMPANY  
GEOLOGIST: ED GREIVES  
FORMATION: PAWNEE  
TOWNSHIP : 23W  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4390.00 ft TO: 4412.00 ft TVD: 5000.0 ft  
DEPTH OF SELECTIVE ZONE: 4658 TEST TYPE: OIL  
DEPTH OF RECORDERS: 4397.0 ft 4400.0 ft  
TEMPERATURE: 106.0  
DRILL COLLAR LENGTH: 376.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 3986.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 22.0 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: 4387.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4390.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4412.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : BEREDCO #1  
MUD TYPE : CHEMICAL VISCOSITY : 60.00 cp  
WEIGHT : 9.000 ppg WATER LOSS: 6.400 cc  
CHLORIDES : 1800 ppm  
JARS-MAKE : WTC SERIAL NUMBER: 405  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK SURFACE BLOW FOR 15  
MINUTES. FINAL FLOW PERIOD VERY WEAK TO STRONG  
BLOW-BOTTOM OF BUCKET IN 42 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
65.0	100.0	0.0	0.0	0.0	CLEAN GASSY OIL
0.0	0.0	0.0	0.0	0.0	30 GRAVITY @ 60 DEGREES F
110.0	40.0	15.0	0.0	45.0	MUD CUT OIL & GAS
30.0	10.0	3.0	0.0	87.0	OIL & GAS CUT MUD
0.0	0.0	0.0	0.0	0.0	315 FT GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.5508 STB	
GAS VOLUME:	0.4804 SCF	TOTAL FLOW TIME: 135.0000 min.
MUD VOLUME:	0.3718 STB	AVERAGE OIL RATE: 9.8402 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE: 0.0000 STB/D
TOTAL FLUID :	0.9225 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2083.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	100.00	100.00
INITIAL SHUT-IN	30.00		1252.00
FINAL FLOW	120.00	60.00	100.00
FINAL SHUT-IN	120.00		1213.00

FINAL HYDROSTATIC PRESSURE: 2023.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2152.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	94.00	1187.00
INITIAL SHUT-IN	30.00		1259.00
FINAL FLOW	120.00	56.00	102.00
FINAL SHUT-IN	120.00		1227.00

FINAL HYDROSTATIC PRESSURE: 2043.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 3/21/93	TICKET : 19004
CUSTOMER : BEREXCO INC.	LEASE : COMPANY
WELL : #1-18	TEST: 3
ELEVATION: 2983 G.E.	GEOLOGIST: ED GREIVES
SECTION : 18	FORMATION: PAWNEE
RANGE : 34S	TOWNSHIP : 23W
COUNTY: FINNEY	STATE : KS
RANGE : 3900	CLOCK : 12
GAUGE SN#: 1562	

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	94.00	94.00
5.00	134.00	40.00
10.00	1128.00	994.00
15.00	1187.00	59.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1188.00	1188.00	0.00
6.00	1209.00	21.00	0.00
9.00	1223.00	14.00	0.00
12.00	1233.00	10.00	0.00
15.00	1239.00	6.00	0.00
18.00	1245.00	6.00	0.00
21.00	1249.00	4.00	0.00
24.00	1252.00	3.00	0.00
27.00	1255.00	3.00	0.00
30.00	1259.00	4.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	56.00	56.00
5.00	56.00	0.00
10.00	56.00	0.00
15.00	56.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
20.00	56.00	0.00
25.00	56.00	0.00
30.00	56.00	0.00
35.00	57.00	1.00
40.00	58.00	1.00
45.00	60.00	2.00
50.00	63.00	3.00
55.00	66.00	3.00
60.00	69.00	3.00
65.00	72.00	3.00
70.00	75.00	3.00
75.00	78.00	3.00
80.00	81.00	3.00
85.00	84.00	3.00
90.00	86.00	2.00
95.00	89.00	3.00
100.00	92.00	3.00
105.00	95.00	3.00
110.00	98.00	3.00
115.00	100.00	2.00
120.00	102.00	2.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	133.00	133.00	0.00
6.00	231.00	98.00	0.00
9.00	407.00	176.00	0.00
12.00	650.00	243.00	0.00
15.00	850.00	200.00	0.00
18.00	959.00	109.00	0.00
21.00	1017.00	58.00	0.00
24.00	1057.00	40.00	0.00
27.00	1084.00	27.00	0.00
30.00	1105.00	21.00	0.00
33.00	1121.00	16.00	0.00
36.00	1131.00	10.00	0.00
39.00	1143.00	12.00	0.00
42.00	1152.00	9.00	0.00
45.00	1159.00	7.00	0.00
48.00	1166.00	7.00	0.00
51.00	1171.00	5.00	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>
54.00	1178.00	7.00	0.00
57.00	1184.00	6.00	0.00
60.00	1187.00	3.00	0.00
63.00	1190.00	3.00	0.00
66.00	1193.00	3.00	0.00
69.00	1196.00	3.00	0.00
72.00	1198.00	2.00	0.00
75.00	1200.00	2.00	0.00
78.00	1202.00	2.00	0.00
81.00	1204.00	2.00	0.00
84.00	1206.00	2.00	0.00
87.00	1208.00	2.00	0.00
90.00	1210.00	2.00	0.00
93.00	1212.00	2.00	0.00
96.00	1214.00	2.00	0.00
99.00	1216.00	2.00	0.00
102.00	1218.00	2.00	0.00
105.00	1220.00	2.00	0.00
108.00	1222.00	2.00	0.00
111.00	1224.00	2.00	0.00
114.00	1225.00	1.00	0.00
117.00	1226.00	1.00	0.00
120.00	1227.00	1.00	0.00