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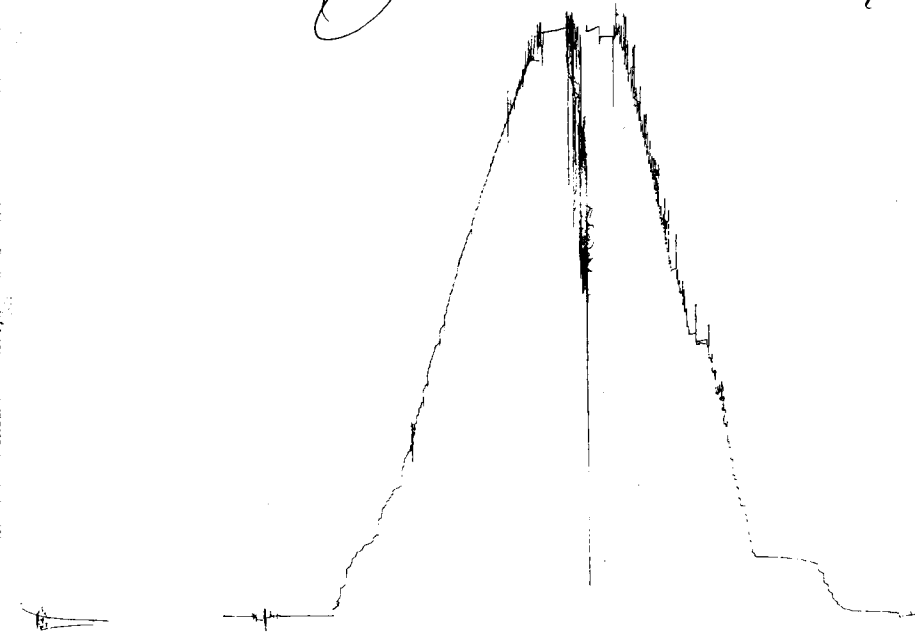


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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO 19764

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

WICHITA, KANSAS 67201

Elevation 3067 GL est. Formation Lower Morrow Eff. Pay Ft.

District Augusta Date 11-13-93 Customer Order No.

COMPANY NAME Benexco INC
ADDRESS 100 N. Broadway Suite 970 Wichita KS 67202
LEASE AND WELL NO. Rolisa 1-4 COUNTY Stevens STATE KS Sec. 4 Twp 35 Rge. 36W
Mail Invoice To #1-4 ROLISA Same No. Copies Requested
Co. Name Address
Mail Charts To Same No. Copies Requested
Address

Formation Test No. 1 Interval Tested From 6308 ft. to 6340 ft. Total Depth 6340 ft.
Packer Depth 6303 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 6308 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 6311 ft. Recorder Number 13521 Cap. 4300
Bottom Recorder Depth (Outside) 6340 ft. Recorder Number 13548 Cap. 4075
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Benexco #2 Drill Collar Length 613 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 65 Weight Pipe Length I. D. in.
Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 4685 5/6 3.8 in.
Chlorides 900 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number Anchor Length 32 ft. Size 5 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x 14 in.

Blow:

Recovered 1000 ft. of mud
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Chlorides P.P.M. Sample Jars used Remarks: Tool Slid 10'. Packer Failure

Time On Location 7:30 A.M. Time Pick Up Tool 10:30 A.M. Time Off Location A.M.
Time Set Packer(s) 2:00 P.M. Time Started Off Bottom 2:45 P.M. Maximum Temperature
Initial Hydrostatic Pressure (A) 3102 Ps. 177. 55
Initial Flow Period Minutes (B) 88 P.S.I. to (C) 55 P.S.I.
Initial Closed In Period Minutes (D) P.S.I.
Final Flow Period Minutes (E) P.S.I. to (F) P.S.I.
Final Closed In Period Minutes (G) P.S.I.
Final Hydrostatic Pressure (H) 3102 Ps. 177. 55

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

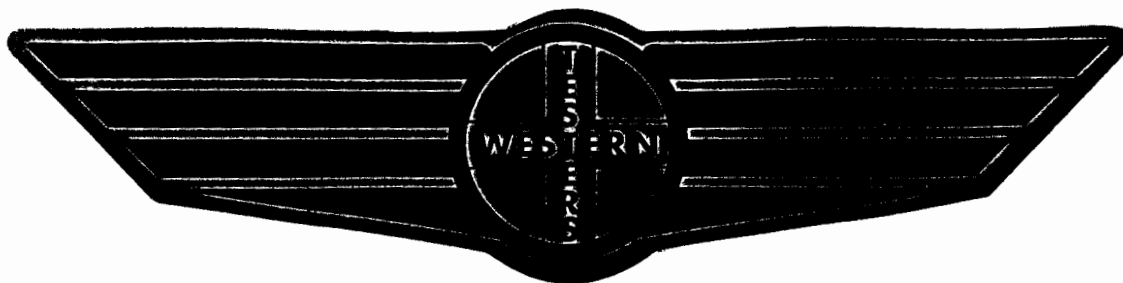
Western Representative: Stuart Store

Thanks!

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 \$

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-637-021

COMPANY BEREXCO, INC.

LEASE & WELL NO. #1-4 ROLISA

SEC. 4

TWP. 35S RGE. 36W

TEST NO. 1

DATE 11/13/93

DST REPORT

GENERAL INFORMATION

DATE	: 11/13/93	TICKET	: 19764
CUSTOMER	: BEREXCO, INC.	LEASE	: ROLISA
WELL	: #1-4	TEST: 1	GEOLOGIST: GRIEVES
ELEVATION:	3067 GL EST	FORMATION:	LOWER MORROW
SECTION	: 4	TOWNSHIP	: 35S
RANGE	: 36W	STATE	: KS
GAUGE SN#:	13521	RANGE	: 4300
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	6308.00 ft	TO:	6340.00 ft	TVD:	6340.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	6311.0 ft		6340.0 ft		
TEMPERATURE:	0.0				
DRILL COLLAR LENGTH:	613.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	5667.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	32.0 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:	6303.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	6308.0 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 RIG #2	VISCOSITY :	65.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.000 cc
WEIGHT :	9.100 ppg		
CHLORIDES :	900 ppm	SERIAL NUMBER:	412
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

MISRUN.
TOOL SLID 10 FEET.
PACKER FAILURE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
1000.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	8.4426	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	8.4426	STB		
			TOTAL FLOW TIME:	No Events Created
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 0.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

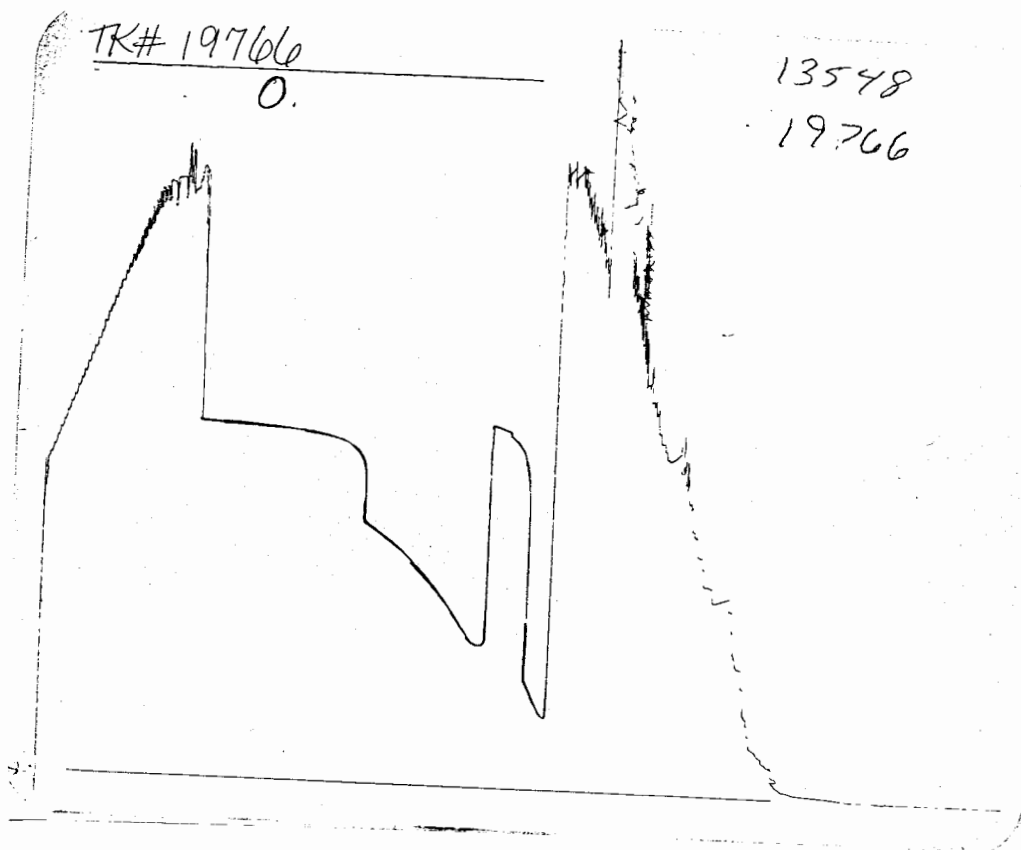
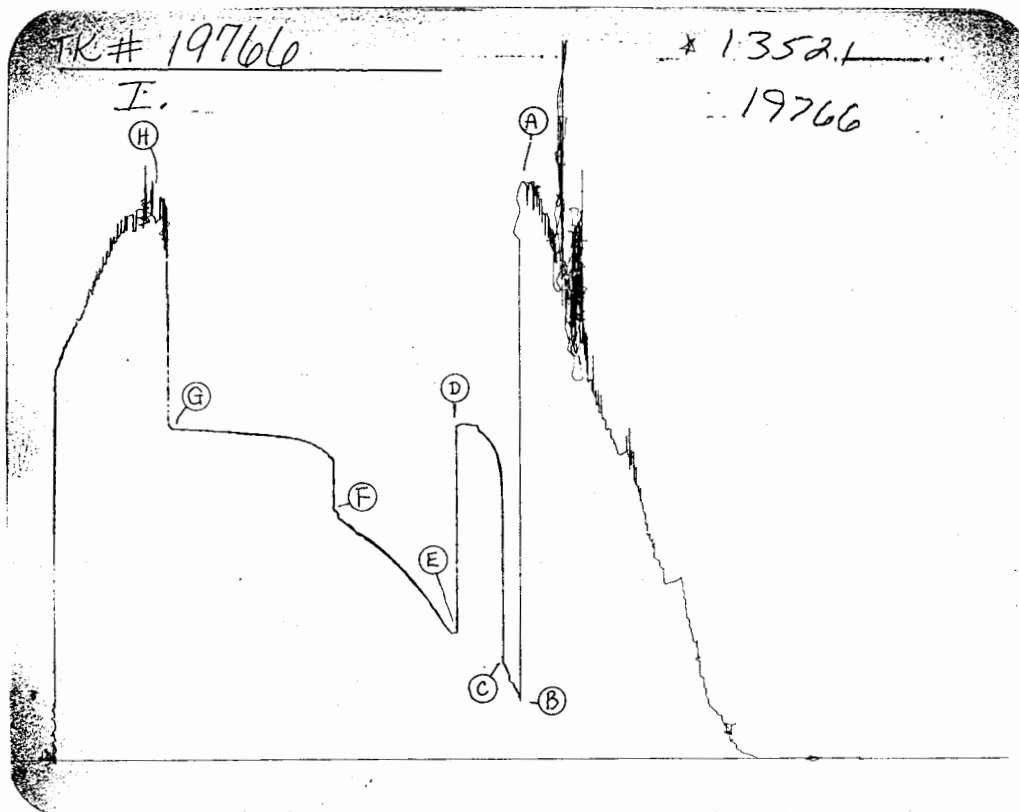
FINAL HYDROSTATIC PRESSURE: 0.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3179.00

Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	0.00
INITIAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 3135.00





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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N° 19765

Elevation 3067 GL EST Formation Lower Morron Eff. Pay _____ Ft.

District Augusta Date 11-13-93 Customer Order No. _____

COMPANY NAME Berexco INC.

ADDRESS 100 N. Broadway Suite 970 Wichita, Ks. 67202

LEASE AND WELL NO Rosila 1-4 COUNTY STEVENS STATE KS Sec. 4 Twp. 35 Rge. 36W

Mail Invoice To #1-4 ROSILA Co. Name Same Address _____ No. Copies Requested _____

Mail Charts To _____ Address Same No. Copies Requested _____

Formation Test No. 2 Interval Tested From 6310 ft. to 6340 ft. Total Depth 6340 ft.

Packer Depth 6305 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 6310 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 6313 ft. Recorder Number 13521 Cap. 4300

Bottom Recorder Depth (Outside) 6340 ft. Recorder Number 13548 Cap. 4025

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

Drilling Contractor Berexco #2 Drill Collar Length 613 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 65 Weight Pipe Length _____ I. D. _____ in.

Weight 91 Water Loss 7.0 cc. 7 Drill Pipe Length 4687.5 ft. 3.8 in.

Chlorides 980 P.P.M. Test Tool Length 2028 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number _____ Anchor Length 2830 ft. Size 5 1/2 in.

Did Well Flow? _____ Reversed Out _____ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: Weak Surface Blow Thru-out Initial Flow
NO Blow on 2ND Flow

Recovered 20 ft. of Daly mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

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

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

Time Set Packer(s) 6:15 A.M. P.M. Time Started Off Bottom 10:00 A.M. P.M. Maximum Temperature _____

Initial Hydrostatic Pressure _____ (A) 3102 P.S.I.

Initial Flow Period _____ Minutes 15 (B) 88 P.S.I. to (C) 55 P.S.I.

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

Final Flow Period _____ Minutes 60 (E) 55 P.S.I. to (F) 55 P.S.I.

Final Closed In Period _____ Minutes 120 (G) 55 P.S.I.

Final Hydrostatic Pressure _____ (H) 3102 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 Edwin H. Moore
Signature of Customer or his authorized representative

Western Representative Stuart Storer

Thanks!

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 11-12-92

Test Ticket No. 19765

Recorder No. 1554

Capacity _____ Location _____

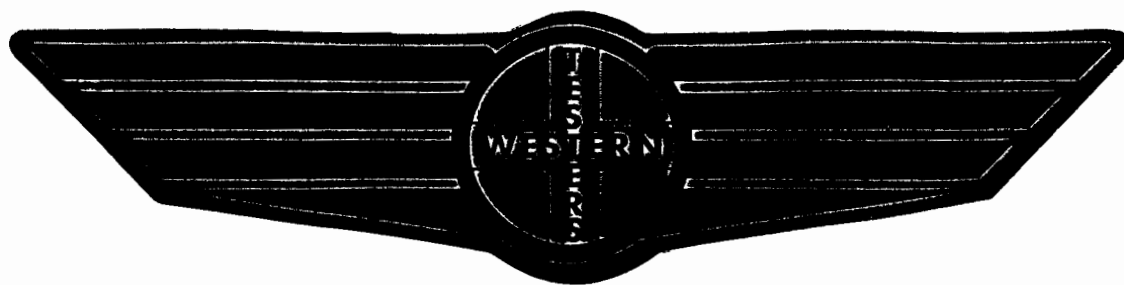
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud <u>5127</u>	P.S.I.			M
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	_____ Mins	_____ Mins
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	_____ Mins	_____ Mins
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure	_____ Mins	_____ Mins
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure	_____ Mins	_____ Mins
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud <u>2051</u>	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 0	<u>55</u>	0	<u>55</u>	0	<u>55</u>	0	<u>55</u>
P 2 5	<u>55</u>	3	<u>55</u>	5	<u>55</u>	3	<u>55</u>
P 3 10	<u>55</u>	6	<u>55</u>	10	<u>55</u>	6	<u>55</u>
P 4 15	<u>55</u>	9	<u>55</u>	15	<u>55</u>	9	<u>55</u>
P 5 20	<u>55</u>	12	<u>55</u>	20	<u>55</u>	12	<u>55</u>
P 6 25	<u>55</u>	15	<u>55</u>	25	<u>55</u>	15	<u>55</u>
P 7 30	<u>55</u>	18	<u>55</u>	30	<u>55</u>	18	<u>55</u>
P 8 35	<u>55</u>	21	<u>55</u>	35	<u>55</u>	21	<u>55</u>
P 9 40	<u>55</u>	24	<u>55</u>	40	<u>55</u>	24	<u>55</u>
P10 45	<u>55</u>	27	<u>55</u>	45	<u>55</u>	27	<u>55</u>
P11 50	<u>55</u>	30	<u>55</u>	50	<u>55</u>	30	<u>55</u>
P12 55	<u>55</u>	33	<u>55</u>	55	<u>55</u>	33	<u>55</u>
P13 60	<u>55</u>	36	<u>55</u>	60	<u>55</u>	36	<u>55</u>
P14 65	<u>55</u>	39	<u>55</u>	65	<u>55</u>	39	<u>55</u>
P15 70	<u>55</u>	42	<u>55</u>	70	<u>55</u>	42	<u>55</u>
P16 75	<u>55</u>	45	<u>55</u>	75	<u>55</u>	45	<u>55</u>
P17 80	<u>55</u>	48	<u>55</u>	80	<u>55</u>	48	<u>55</u>
P18 85	<u>55</u>	51	<u>55</u>	85	<u>55</u>	51	<u>55</u>
P19 90	<u>55</u>	54	<u>55</u>	90	<u>55</u>	54	<u>55</u>
P20 95	<u>55</u>	57	<u>55</u>	95	<u>55</u>	57	<u>55</u>
100	<u>55</u>	60	<u>55</u>	100	<u>55</u>	60	<u>55</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-687-021

DST REPORT

GENERAL INFORMATION

DATE	: 11/13/93	TICKET	: 19765
CUSTOMER	: BEREXCO, INC.	LEASE	: ROLISA
WELL	: #1-4	TEST: 2	GEOLOGIST: GRIEVES
ELEVATION	: 3067 GL EST	FORMATION	: LOWER MORROW
SECTION	: 4	TOWNSHIP	: 35S
RANGE	: 36W	COUNTY: STEVENS	STATE : KS
GAUGE SN#	: 13521	RANGE : 4300	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	6310.00 ft	TO:	6340.00 ft	TVD:	6340.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	6313.0 ft		6340.0 ft		
TEMPERATURE:	0.0				
DRILL COLLAR LENGTH:	613.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	5669.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	30.0 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:	6305.0 ft	SIZE:		6.750 in	
PACKER DEPTH:	6310.0 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 RIG #2	VISCOSITY :	65.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	7.000 cc
WEIGHT :	9.100 ppg		
CHLORIDES :	980 ppm	SERIAL NUMBER:	412
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK SURFACE BLOW THROUGHOUT
FINAL FLOW PERIOD NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

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

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0983	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0983	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3102.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	88.00	55.00
INITIAL SHUT-IN	30.00		55.00
FINAL FLOW	60.00	55.00	55.00
FINAL SHUT-IN	120.00		55.00

FINAL HYDROSTATIC PRESSURE: 3102.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3137.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	55.00	55.00
INITIAL SHUT-IN	30.00		55.00
FINAL FLOW	60.00	53.00	53.00
FINAL SHUT-IN	120.00		53.00

FINAL HYDROSTATIC PRESSURE: 3051.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11/13/93	TICKET : 19765
CUSTOMER : BEREXCO, INC.	LEASE : ROLISA
WELL : #1-4 TEST: 2	GEOLOGIST: GRIEVES
ELEVATION: 3067 GL EST	FORMATION: LOWER MORROW
SECTION : 4	TOWNSHIP : 35S
RANGE : 36W COUNTY: STEVENS	STATE : KS
GAUGE SN#: 13521 RANGE : 4300	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	55.00	55.00
5.00	55.00	0.00
10.00	55.00	0.00
15.00	55.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	55.00	55.00	0.00
6.00	55.00	0.00	0.00
9.00	55.00	0.00	0.00
12.00	55.00	0.00	0.00
15.00	55.00	0.00	0.00
18.00	55.00	0.00	0.00
21.00	55.00	0.00	0.00
24.00	55.00	0.00	0.00
27.00	55.00	0.00	0.00
30.00	55.00	0.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	53.00	53.00
5.00	53.00	0.00
10.00	53.00	0.00
15.00	53.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
20.00	53.00	0.00
25.00	53.00	0.00
30.00	53.00	0.00
35.00	53.00	0.00
40.00	53.00	0.00
45.00	53.00	0.00
50.00	53.00	0.00
55.00	53.00	0.00
60.00	53.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	53.00	53.00	0.00
6.00	53.00	0.00	0.00
9.00	53.00	0.00	0.00
12.00	53.00	0.00	0.00
15.00	53.00	0.00	0.00
18.00	53.00	0.00	0.00
21.00	53.00	0.00	0.00
24.00	53.00	0.00	0.00
27.00	53.00	0.00	0.00
30.00	53.00	0.00	0.00
33.00	53.00	0.00	0.00
36.00	53.00	0.00	0.00
39.00	53.00	0.00	0.00
42.00	53.00	0.00	0.00
45.00	53.00	0.00	0.00
48.00	53.00	0.00	0.00
51.00	53.00	0.00	0.00
54.00	53.00	0.00	0.00
57.00	53.00	0.00	0.00
60.00	53.00	0.00	0.00
63.00	53.00	0.00	0.00
66.00	53.00	0.00	0.00
69.00	53.00	0.00	0.00
72.00	53.00	0.00	0.00
75.00	53.00	0.00	0.00
78.00	53.00	0.00	0.00
81.00	53.00	0.00	0.00
84.00	53.00	0.00	0.00
87.00	53.00	0.00	0.00

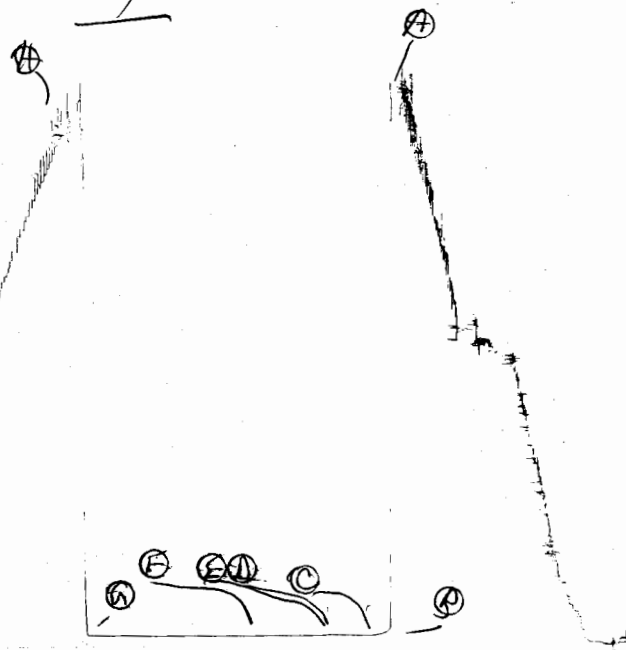
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
90.00	53.00	0.00	0.00
93.00	53.00	0.00	0.00
96.00	53.00	0.00	0.00
99.00	53.00	0.00	0.00
102.00	53.00	0.00	0.00
105.00	53.00	0.00	0.00
108.00	53.00	0.00	0.00
111.00	53.00	0.00	0.00
114.00	53.00	0.00	0.00
117.00	53.00	0.00	0.00
120.00	53.00	0.00	0.00

JKT 19765 13521

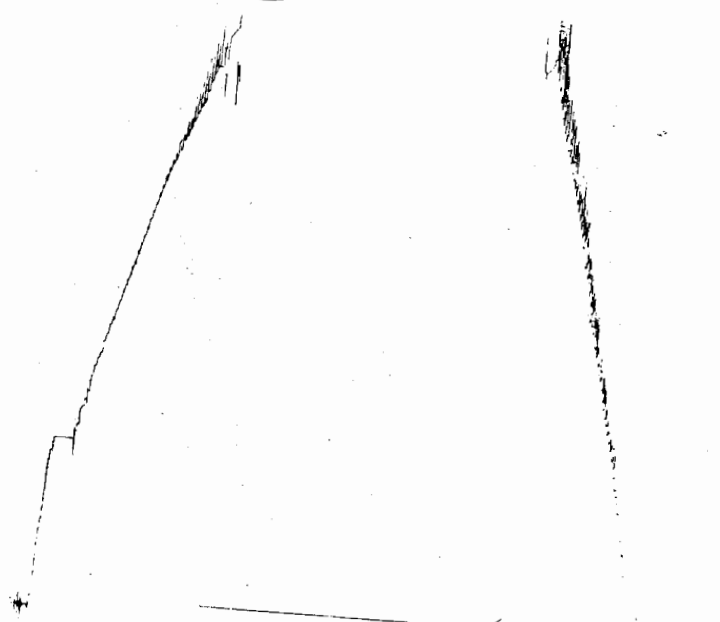
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JKT 19765

13548

O





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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N° 19766

Elevation 30676 ft Formation Chester Eff. Pay _____ Ft.

District Augusta Date 11-16-93 Customer Order No. _____

COMPANY NAME Berexco, Inc
ADDRESS 100 N. Broadway Suite #970 Wichita KS 67202-2209
LEASE AND WELL NO. ROLISA 1-4 COUNTY Stevens STATE KS Sec. 8 Twp. 35 Rge. 36W
Mail Invoice To #1-4 ROLISA Address _____ No. Copies Requested _____
Co. Name Same Address _____ No. Copies Requested _____
Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. 3 Interval Tested From 6573 ft. to 6630 ft. Total Depth 6630 ft.
Packer Depth 6568 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 6573 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 6576 ft. Recorder Number 13521 Cap. 4300
Bottom Recorder Depth (Outside) 6630 ft. Recorder Number 13548 Cap. 4075
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Berexco Rig #2 Drill Collar Length 583 I. D. 2 1/4 in.
Mud Type Chemical Viscosity 65 Weight Pipe Length _____ I. D. _____ in.
Weight 9.2 Water Loss 6.4 cc. Drill Pipe Length 5962 I. D. 3.8 in.
Chlorides 800 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
Jars: Make UTC Serial Number _____ Anchor Length 57 ft. Size 5 1/2 in.
Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x 1 1/2 in.

Blow: off Btm of Bucket in 3 minutes
2ND Flow - off Btm of Bucket in 5 minutes
Recovered 2740 ft. of Salt water
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Chlorides 112,000 P.P.M. Sample Jars used 3 Remarks: _____
Resistivity 1052 @ 65°

Time On Location 8:30 A.M. Time Pick Up Tool 10:30 A.M. Time Off Location _____ A.M.
Time Set Packer(s) 2:20 P.M. Time Started Off Bottom 6:40 P.M. Maximum Temperature 138°
Initial Hydrostatic Pressure _____ (A) 3288 P.S.I.
Initial Flow Period _____ Minutes 15 (B) 320 P.S.I. to (C) 553 P.S.I.
Initial Closed In Period _____ Minutes 30 (D) 1903 P.S.I.
Final Flow Period _____ Minutes 90 (E) 719 P.S.I. to (F) 1412 P.S.I.
Final Closed In Period _____ Minutes 120 (G) 1882 P.S.I.
Final Hydrostatic Pressure _____ (H) 3179 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 Stuart Storen
Signature of Customer or his authorized representative

Western Representative Stuart Storen

Thanks!

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 _____

Test Ticket No. 19766

Recorder No. 13521 Capacity _____ Location _____ Ft. _____

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>3282</u>	P.S.I.		M
B First Initial Flow Pressure	<u>308</u>	P.S.I.	<u>15</u> Mins	<u>15</u> Mins.
C First Final Flow Pressure	<u>552</u>	P.S.I.	<u>30</u> Mins	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1913</u>	P.S.I.	<u>90</u> Mins	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>717</u>	P.S.I.	<u>120</u> Mins	<u>120</u> Mins.
F Second Final Flow Pressure	<u>1419</u>	P.S.I.		
G Final Closed-in Pressure	<u>1868</u>	P.S.I.		
H Final Hydrostatic Mud	<u>3178</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: _____ Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In

Breakdown: _____ Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure

Breakdown: _____ Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In

Breakdown: _____ Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
B P 1 0	<u>308</u>	C 0	<u>551</u>	E 0	<u>717</u>	F 0	<u>1419</u>
P 2 5	<u>441</u>	3	<u>1672</u>	5	<u>721</u>	3	<u>1432</u>
P 3 10	<u>540</u>	6	<u>1742</u>	10	<u>772</u>	6	<u>1723</u>
C P 4 15	<u>552</u>	9	<u>1793</u>	15	<u>845</u>	9	<u>1750</u>
P 5 20		12	<u>1825</u>	20	<u>898</u>	12	<u>1766</u>
P 6 25		15	<u>1845</u>	25	<u>947</u>	15	<u>1781</u>
P 7 30		18	<u>1869</u>	30	<u>993</u>	18	<u>1803</u>
P 8 35		21	<u>1902</u>	35	<u>1040</u>	21	<u>1808</u>
P 9 40		24	<u>1906</u>	40	<u>1083</u>	24	<u>1815</u>
P10 45		27	<u>1910</u>	45	<u>1121</u>	27	<u>1823</u>
P11 50		D 30	<u>1913</u>	50	<u>1164</u>	30	<u>1825</u>
P12 55		33		55	<u>1189</u>	33	<u>1836</u>
P13 60		36		60	<u>1227</u>	36	<u>1837</u>
P14 65		39		65	<u>1257</u>	39	<u>1839</u>
P15 70		42		70	<u>1287</u>	42	<u>1846</u>
P16 75		45		75	<u>1301</u>	45	<u>1847</u>
P17 80		48		80	<u>1338</u>	48	<u>1849</u>
P18 85		51		85	<u>1369</u>	51	<u>1851</u>
P19 90		54		F 90	<u>1419</u>	54	<u>1858</u>
P20 95		57		95		57	<u>1858</u>
100		60		100		60	<u>1862</u>

- continued -

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 19766

Recorder No. _____ Capacity _____ Location _____ Ft.

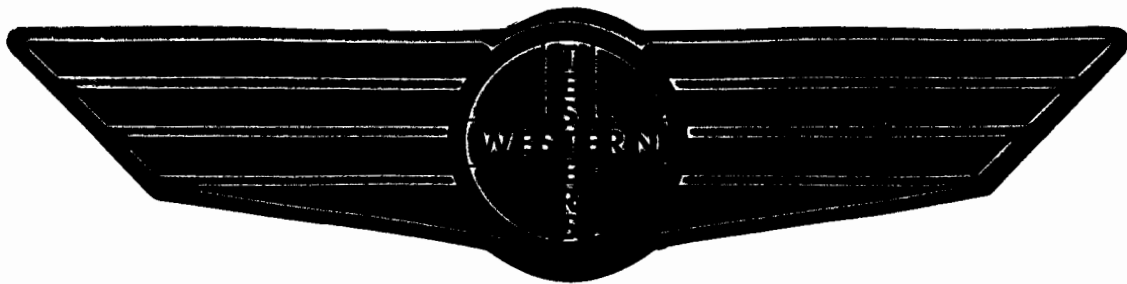
Clock No. _____ Elevation _____ Well Temperature _____ °F

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 <u>120</u> 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 <u>105</u>		<u>63</u>		<u>105</u>		<u>63</u>	<u>1862</u>
P 2 <u>110</u>		<u>66</u>		<u>110</u>		<u>66</u>	<u>1864</u>
P 3 <u>115</u>		<u>69</u>		<u>115</u>		<u>69</u>	<u>1864</u>
P 4 <u>120</u>		<u>72</u>		<u>120</u>		<u>72</u>	<u>1864</u>
P 5 <u>125</u>		<u>75</u>		<u>125</u>		<u>75</u>	<u>1865</u>
P 6 <u>130</u>		<u>78</u>		<u>130</u>		<u>78</u>	<u>1865</u>
P 7 <u>135</u>		<u>81</u>		<u>135</u>		<u>81</u>	<u>1865</u>
P 8 <u>140</u>		<u>84</u>		<u>140</u>		<u>84</u>	<u>1865</u>
P 9 <u>145</u>		<u>87</u>		<u>145</u>		<u>87</u>	<u>1865</u>
P10 <u>150</u>		<u>90</u>		<u>150</u>		<u>90</u>	<u>1866</u>
P11 <u>155</u>		<u>93</u>		<u>155</u>		<u>93</u>	<u>1866</u>
P12 <u>160</u>		<u>96</u>		<u>160</u>		<u>96</u>	<u>1866</u>
P13 <u>165</u>		<u>99</u>		<u>165</u>		<u>99</u>	<u>1866</u>
P14 <u>170</u>		<u>102</u>		<u>170</u>		<u>102</u>	<u>1867</u>
P15 <u>175</u>		<u>105</u>		<u>175</u>		<u>105</u>	<u>1867</u>
P16 <u>180</u>		<u>108</u>		<u>180</u>		<u>108</u>	<u>1867</u>
P17 <u>185</u>		<u>111</u>		<u>185</u>		<u>111</u>	<u>1868</u>
P18 <u>190</u>		<u>114</u>		<u>190</u>		<u>114</u>	<u>1868</u>
P19 <u>195</u>		<u>117</u>		<u>195</u>		<u>117</u>	<u>1868</u>
P20 <u>200</u>		<u>120</u>		<u>200</u>		<u>120</u>	<u>1868</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-637-021

COMPANY BEREXCO, INC. LEASE & WELL NO. #1-4 ROLISA
SIC. 4 TWP. 35S RGF. 36W T1S1 NO. 3 DATE 11/16/93

DST REPORT

GENERAL INFORMATION

DATE : 11/16/93
CUSTOMER : BEREXCO, INC.
WELL : #1-4 TEST: 3
ELEVATION: 3067 GL EST
SECTION : 4
RANGE : 36W COUNTY: STEVENS
GAUGE SN#: 13521 RANGE : 4300

TICKET : 19766
LEASE : ROLISA
GEOLOGIST: GRIEVES
FORMATION: CHESTER
TOWNSHIP : 35S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 6573.00 ft TO: 6630.00 ft TVD: 6630.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 6576.0 ft 6630.0 ft
TEMPERATURE: 138.0

DRILL COLLAR LENGTH:	583.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	5962.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	57.0 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:	6568.0 ft	SIZE:	6.750 in
PACKER DEPTH:	6573.0 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 RIG #2
MUD TYPE : CHEMICAL
WEIGHT : 9.200 ppg
CHLORIDES : 800 ppm
JARS-MAKE : WTC
DID WELL FLOW?: NO

VISCOSITY : 65.00 cp
WATER LOSS: 6.400 cc

SERIAL NUMBER: 412
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD OFF BOTTOM OF BUCKET IN 3
MINUTES. FINAL FLOW PERIOD OFF BOTTOM OF BUCKET
IN 5 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
2740.0	0.0	0.0	100.0	0.0	SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 112000 PPM
0.0	0.0	0.0	0.0	0.0	RESISTIVITY .052 @ 65 DEG

RATE INFORMATION

OIL VOLUME:	0.0000	STB	
GAS VOLUME:	0.0000	SCF	
MUD VOLUME:	0.0000	STB	
WATER VOLUME:	33.1217	STB	
TOTAL FLUID :	33.1217	STB	
			TOTAL FLOW TIME: 105.0000 min.
			AVERAGE OIL RATE: 0.0000 STB/D
			AVERAGE WATER RATE: 454.2410 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3288.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	320.00	553.00
INITIAL SHUT-IN	30.00		1903.00
FINAL FLOW	90.00	719.00	1412.00
FINAL SHUT-IN	120.00		1882.00

FINAL HYDROSTATIC PRESSURE: 3179.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3282.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	308.00	552.00
INITIAL SHUT-IN	30.00		1913.00
FINAL FLOW	90.00	717.00	1419.00
FINAL SHUT-IN	120.00		1868.00

FINAL HYDROSTATIC PRESSURE: 3178.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11/16/93	TICKET : 19766
CUSTOMER : BEREXCO, INC.	LEASE : ROLISA
WELL : #1-4 TEST: 3	GEOLOGIST: GRIEVES
ELEVATION: 3067 GL EST	FORMATION: CHESTER
SECTION : 4	TOWNSHIP : 35S
RANGE : 36W COUNTY: STEVENS	STATE : KS
GAUGE SN#: 13521 RANGE : 4300	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	308.00	308.00
5.00	441.00	133.00
10.00	540.00	99.00
15.00	552.00	12.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1672.00	1672.00	0.00
6.00	1742.00	70.00	0.00
9.00	1793.00	51.00	0.00
12.00	1825.00	32.00	0.00
15.00	1845.00	20.00	0.00
18.00	1869.00	24.00	0.00
21.00	1902.00	33.00	0.00
24.00	1906.00	4.00	0.00
27.00	1910.00	4.00	0.00
30.00	1913.00	3.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	717.00	717.00
5.00	721.00	4.00
10.00	772.00	51.00
15.00	845.00	73.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
20.00	898.00	53.00
25.00	947.00	49.00
30.00	993.00	46.00
35.00	1040.00	47.00
40.00	1083.00	43.00
45.00	1121.00	38.00
50.00	1164.00	43.00
55.00	1189.00	25.00
60.00	1227.00	38.00
65.00	1257.00	30.00
70.00	1287.00	30.00
75.00	1301.00	14.00
80.00	1338.00	37.00
85.00	1369.00	31.00
90.00	1419.00	50.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1432.00	1432.00	0.00
6.00	1723.00	291.00	0.00
9.00	1750.00	27.00	0.00
12.00	1766.00	16.00	0.00
15.00	1781.00	15.00	0.00
18.00	1803.00	22.00	0.00
21.00	1808.00	5.00	0.00
24.00	1815.00	7.00	0.00
27.00	1823.00	8.00	0.00
30.00	1825.00	2.00	0.00
33.00	1836.00	11.00	0.00
36.00	1837.00	1.00	0.00
39.00	1839.00	2.00	0.00
42.00	1846.00	7.00	0.00
45.00	1847.00	1.00	0.00
48.00	1849.00	2.00	0.00
51.00	1851.00	2.00	0.00
54.00	1858.00	7.00	0.00
57.00	1858.00	0.00	0.00
60.00	1862.00	4.00	0.00
63.00	1862.00	0.00	0.00
66.00	1863.00	1.00	0.00
69.00	1863.00	0.00	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>
72.00	1864.00	1.00	0.00
75.00	1864.00	0.00	0.00
78.00	1865.00	1.00	0.00
81.00	1865.00	0.00	0.00
84.00	1865.00	0.00	0.00
87.00	1865.00	0.00	0.00
90.00	1866.00	1.00	0.00
93.00	1866.00	0.00	0.00
96.00	1866.00	0.00	0.00
99.00	1866.00	0.00	0.00
102.00	1867.00	1.00	0.00
105.00	1867.00	0.00	0.00
108.00	1867.00	0.00	0.00
111.00	1868.00	1.00	0.00
114.00	1868.00	0.00	0.00
117.00	1868.00	0.00	0.00
120.00	1868.00	0.00	0.00