

ORIGINAL

CONFIDENTIAL

DRILL STEM TESTS

HILBIG #1-27

SEC 27-33S-35W

STEVENS COUNTY, KANSAS

APT #15-189-21595

RECEIVED

KANSAS CORPORATION COMMISSION

MAR 2 9 1994

CONSERVATION DIVISION
WICHITA, KS

DST #1 (6034'-6050') LOWER MORROW
15(30)90(120)
BLOW: Strong blow off bottom of bucket in 1 minute.
BLOW: Strong blow off bottom of bucket immediately.
IH: 3129
IFP: 44/46
ISIP: 128
FFP: 46/46
FSIP: 676
FH: 3124
T: 136
REC: 1500' gas in pipe + 20' gas cut mud.

RELEASED

APR 2 2 1996

FROM CONFIDENTIAL

DST #2 (6057'-6075') LOWER MORROW SAND
15(30)90(120)
BLOW: Strong blow off bottom of bucket in 10 minutes.
BLOW: Strong blow off bottom of bucket in 11 minutes.
IH: 3131
IFP: 44/46
ISIP: 224
FFP: 46/46
FSIP: 1542
FH: 3129
T: 136
REC: 600' gas in pipe + 20' gas cut mud.

KCC

MAR 2 8

CONFIDENTIAL

DST #3 (6308'-6320') LOWER CHESTER
15(30)60(120)
BLOW: Weak surface blow.
BLOW: Weak surface blow died 32 minutes into FFP.
IH: 3140
IFP: 46/46
ISIP: 70
FFP: 46/46
FSIP: 128
FH:
T: 140
REC: 15' drilling mud with scum of oil.

CONFIDENTIAL



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 19978

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

Elevation 2920 Formation Lower Morrow sand Eff. Pay _____ Ft.

District Hugoton Date 12-10-93 Customer Order No. _____

COMPANY NAME Berexco Inc.

ADDRESS 100 N. Broadway Suite 970 Wichita KS. 67202-2209

LEASE AND WELL NO. Hilbig 1-27 COUNTY Stevens STATE KS Sec 27 Twp. 33 Rge. 35W

Mail Invoice To SAME SAME No. Copies Requested Reg 10

Co. Name _____ Address _____
Mail Charts To see Distribution sheet HILBIG #1-27 No. Copies Requested Reg 10
Address _____

Formation Test No. 1 Interval Tested From 6034 ft. to 6050 ft. Total Depth 6050 ft.

Packer Depth 6029 ft. Size 65/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 6034 ft. Size 65/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 6045 ft. Recorder Number 10242 Cap. 4100

Bottom Recorder Depth (Outside) 6048 ft. Recorder Number 13266 Cap. 4000

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

Drilling Contractor Beraco #7 Drill Collar Length 606 I. D. 2 1/4 in.

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

Weight 9.0 Water Loss 8.0 cc. Drill Pipe Length 5396 I. D. 3.8 in.

Chlorides 1500 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/4 in.

Jars: Make WTC Serial Number 415 Anchor Length 16 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 1 1/2 in.

Blow: STRONG B.O.B 1 m. in IF

STRONG B.O.B Immediately

Recovered 1500 ft. of G.F.P.

Recovered 20 ft. of Mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: Total f1 Rec. 20'

Time On Location 6:00 AM Time Pick Up Tool 12:15 AM Time Off Location _____ AM

Time Set Packer(s) 3:13 AM Time Started Off Bottom 7:30 AM Maximum Temperature 136

Initial Hydrostatic Pressure _____ (A) 3129 P.S.I.

Initial Flow Period _____ Minutes 15 (B) 44 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 128 P.S.I.

Final Flow Period _____ Minutes 40 (E) 46 P.S.I. to (F) 46 P.S.I.

Final Closed In Period _____ Minutes 120 (G) 676 P.S.I.

Final Hydrostatic Pressure _____ (H) 3124 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 12-10-93 Test Ticket No. 19978
 Recorder No. 10242 Capacity _____ Location _____ P.C. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 3053 P.S.I. Open Tool _____ M _____
 B First Initial Flow Pressure _____ P.S.I. First Flow Pressure 15 Mins. 15 Mins.
 C First Final Flow Pressure _____ P.S.I. Initial Closed-in Pressure 30 Mins. 33 Mins.
 D Initial Closed-in Pressure _____ P.S.I. Second Flow Pressure 90 Mins. 90 Mins.
 E Second Initial Flow Pressure _____ P.S.I. Final Closed-in Pressure 120 Mins. 120 Mins.
 F Second Final Flow Pressure _____ P.S.I.
 G Final Closed-in Pressure _____ P.S.I.
 H Final Hydrostatic Mud 3007 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 0	41	0	41	0	41	0	47
P 2 5	1	3	41	5	1	3	68
P 3 10	1	6	47	10	1	6	91
P 4 15	41	9	55	15	41	9	127
P 5 20		12	61	20	1	12	161
P 6 25		15	66	25	1	15	187
P 7 30		18	72	30	41	18	211
P 8 35		21	82	35	1	21	236
P 9 40		24	91	40	1	24	257
P 10 45		27	98	45	42	27	281
P 11 50		30	108	50	42	30	302
P 12 55		33	122	55	42	33	322
P 13 60		36		60	43	36	343
P 14 65		39		65	1	39	362
P 15 70		42		70	1	42	383
P 16 75		45		75	43	45	397
P 17 80		48		80	44	48	414
P 18 85		51		85	45	51	429
P 19 90		54		90	47	54	446
P 20 95		57		95		57	458
WTC 100		60		100		60	477

WESTERN TESTING CO., INC.

Pressure Data

Date 12-10-93

Test Ticket No. 19978

Recorder No. 10242 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.		

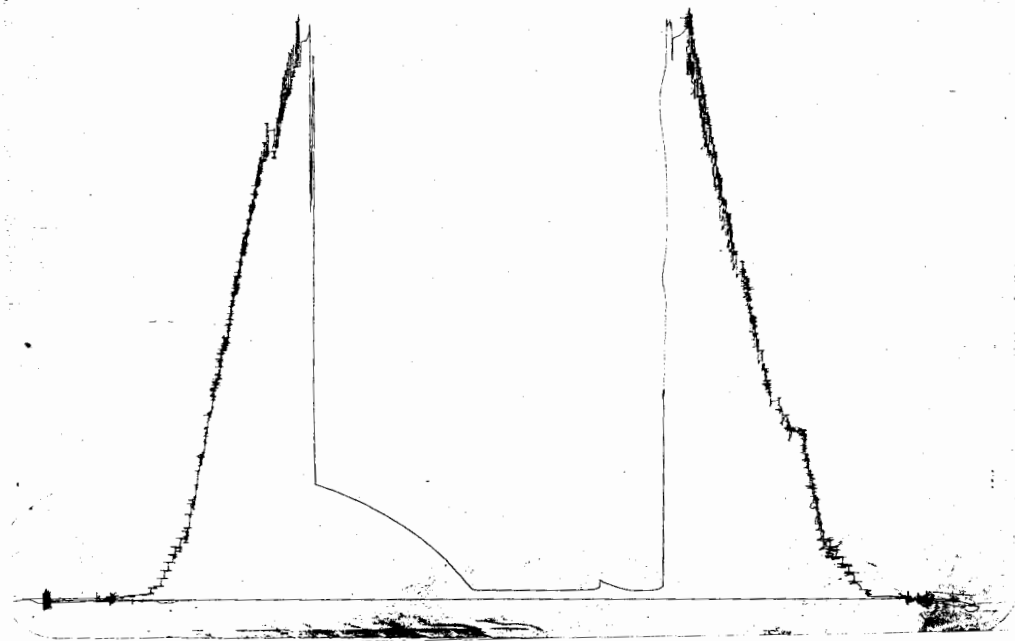
PRESSURE BREAKDOWN

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	493
P 2 110		66		110		66	502
P 3 115		69		115		69	516
P 4 120		72		120		72	528
P 5 125		75		125		75	540
P 6 130		78		130		78	547
P 7 135		81		135		81	555
P 8 140		84		140		84	566
P 9 145		87		145		87	579
P10 150		90		150		90	588
P11 155		93		155		93	602
P12 160		96		160		96	604
P13 165		99		165		99	615
P14 170		102		170		102	622
P15 175		105		175		105	633
P16 180		108		180		108	643
P17 185		111		185		111	650
P18 190		114		190		114	655
P19 195		117		195		117	661
P20 200		120		200		120	670

JK 19928

DST #1 10
13266

0



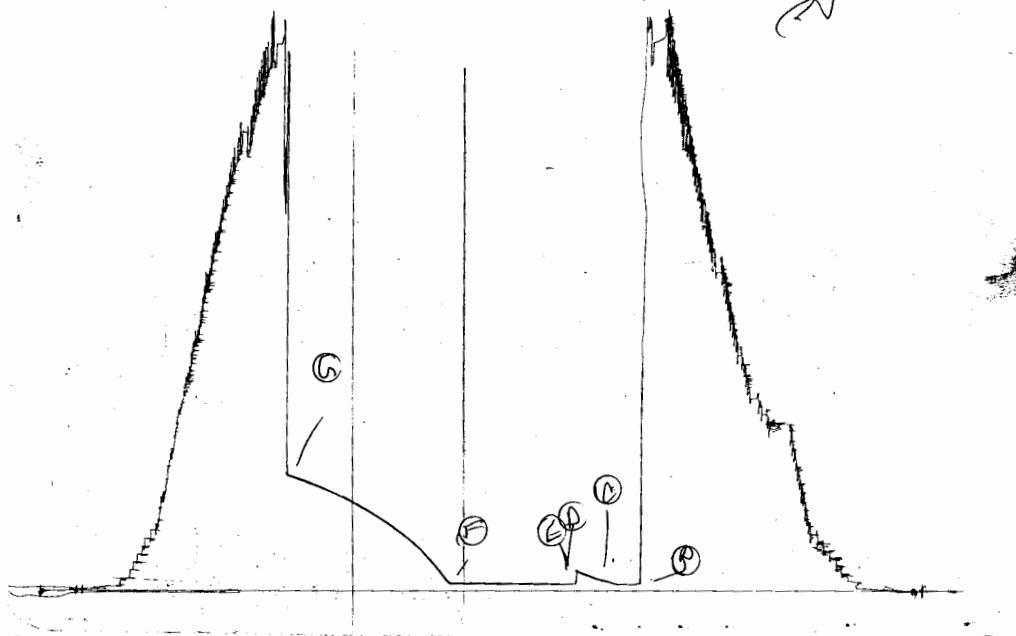
JK 19928

DST #1 10
10242
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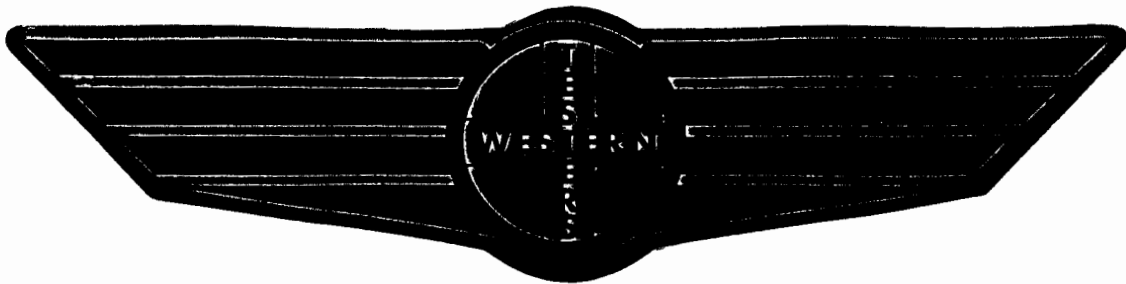
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 12-10-93	TICKET	: 19978
CUSTOMER	: BEREXCO INC.	LEASE	: HILBIG
WELL	: #1-27	TEST: 1	GEOLOGIST: E. GRIEVES
ELEVATION	: 2920 K.B.	FORMATION	: LOWER MORROW SAND
SECTION	: 27	TOWNSHIP	: 33S
RANGE	: 35W	STATE	: KS
GAUGE SN#	: 10242	RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	6034.00 ft	TO:	6050.00 ft	TVD:	6050.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	6034.0 ft		6050.0 ft		
TEMPERATURE:	136.0				
DRILL COLLAR LENGTH:	606.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	5396.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	32.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	16.0 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:	6029.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	6034.0 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 #7	VISCOSITY :	57.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	8.000 cc
WEIGHT :	9.000 ppg		
CHLORIDES :	1500 ppm	SERIAL NUMBER:	415
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

STRONG BLOW OFF BOTTOM OF BUCKET IN ONE MINUTE
ON INITIAL FLOW PERIOD. STRONG BLOW OFF BOTTOM
OF BUCKET IMMEDIATELY ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	0.0	0.0	0.0	100.0	MUD
0.0	0.0	0.0	0.0	0.0	1500 FT. GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	105.0000 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: 3129.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	44.00	46.00
INITIAL SHUT-IN	30.00		128.00
FINAL FLOW	90.00	46.00	46.00
FINAL SHUT-IN	120.00		676.00

FINAL HYDROSTATIC PRESSURE: 3124.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3053.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	41.00	41.00
INITIAL SHUT-IN	33.00		122.00
FINAL FLOW	90.00	41.00	47.00
FINAL SHUT-IN	120.00		670.00

FINAL HYDROSTATIC PRESSURE: 3009.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12-10-93	TICKET : 19978
CUSTOMER : BEREXCO INC.	LEASE : HILBIG
WELL : #1-27 TEST: 1	GEOLOGIST: E. GRIEVES
ELEVATION: 2920 K.B.	FORMATION: LOWER MORROW SAND
SECTION : 27	TOWNSHIP : 33S
RANGE : 35W COUNTY: STEVENS	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	41.00	41.00
5.00	41.00	0.00
10.00	41.00	0.00
15.00	41.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	41.00	41.00	0.00
6.00	47.00	6.00	0.00
9.00	55.00	8.00	0.00
12.00	61.00	6.00	0.00
15.00	66.00	5.00	0.00
18.00	72.00	6.00	0.00
21.00	82.00	10.00	0.00
24.00	91.00	9.00	0.00
27.00	98.00	7.00	0.00
30.00	108.00	10.00	0.00
33.00	122.00	14.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	41.00	41.00
5.00	41.00	0.00
10.00	41.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
15.00	41.00	0.00
20.00	41.00	0.00
25.00	41.00	0.00
30.00	42.00	1.00
35.00	42.00	0.00
40.00	43.00	1.00
45.00	43.00	0.00
50.00	43.00	0.00
55.00	44.00	1.00
60.00	44.00	0.00
65.00	45.00	1.00
70.00	45.00	0.00
75.00	46.00	1.00
80.00	46.00	0.00
85.00	47.00	1.00
90.00	47.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	68.00	68.00	0.00
6.00	91.00	23.00	0.00
9.00	127.00	36.00	0.00
12.00	161.00	34.00	0.00
15.00	187.00	26.00	0.00
18.00	211.00	24.00	0.00
21.00	236.00	25.00	0.00
24.00	257.00	21.00	0.00
27.00	281.00	24.00	0.00
30.00	302.00	21.00	0.00
33.00	322.00	20.00	0.00
36.00	343.00	21.00	0.00
39.00	362.00	19.00	0.00
42.00	383.00	21.00	0.00
45.00	397.00	14.00	0.00
48.00	414.00	17.00	0.00
51.00	429.00	15.00	0.00
54.00	446.00	17.00	0.00
57.00	458.00	12.00	0.00
60.00	477.00	19.00	0.00
63.00	493.00	16.00	0.00
66.00	502.00	9.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
69.00	516.00	14.00	0.00
72.00	528.00	12.00	0.00
75.00	540.00	12.00	0.00
78.00	547.00	7.00	0.00
81.00	555.00	8.00	0.00
84.00	566.00	11.00	0.00
87.00	579.00	13.00	0.00
90.00	588.00	9.00	0.00
93.00	602.00	14.00	0.00
96.00	607.00	5.00	0.00
99.00	615.00	8.00	0.00
102.00	622.00	7.00	0.00
105.00	633.00	11.00	0.00
108.00	643.00	10.00	0.00
111.00	650.00	7.00	0.00
114.00	655.00	5.00	0.00
117.00	661.00	6.00	0.00
120.00	670.00	9.00	0.00



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 19979

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

Elevation 2920 Formation Lower Morrow Eff. Pay Ft.

District Hugoton Date 12-11-93 Customer Order No.

COMPANY NAME Berec 10 INC

ADDRESS 100 N. Broadway Suite 970 Wichita KS 67202-2209

LEASE AND WELL NO. Hildig 1-27 COUNTY Stevens STATE KS Sec. 27 Twp. 33 Rge. 35W

Mail Invoice To SAME Co. Name SAME Address SAME No. Copies Requested 10

Mail Charts To See Distribution Address Street No. Copies Requested 10

Formation Test No. 2 Interval Tested From 6057 ft. to 6075 ft. Total Depth 6075 ft.

Packer Depth 6052 ft. Size 65/8 in. Packer Depth ft. Size in.

Packer Depth 6057 ft. Size 65/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 6070 ft. Recorder Number 10242 Cap. 4100

Bottom Recorder Depth (Outside) 6073 ft. Recorder Number 13266 Cap. 4000

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Budco #7 Drill Collar Length 606 I. D. 2 1/4 in.

Mud Type Chem. Viscosity 55 Weight Pipe Length I. D. in.

Weight 9.1 Water Loss 7.6 cc. Drill Pipe Length 5419 I. D. 3.8 in.

Chlorides 1600 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 415 Anchor Length 18 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 7/8 in. Bottom Choke Size 7/8 in.

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

Blow: FAIR B.O.B IN 10 min I.F.

FAIR B.O.B IN 11 min F.F.

Recovered 600 ft. of GIP

Recovered 20 ft. of MUD

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks: T.A. Rec 20

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

Time Set Packer(s) 5:43 A.M. Time Started Off Bottom 10:00 A.M. Maximum Temperature 136

Initial Hydrostatic Pressure (A) 3131 P.S.I.

Initial Flow Period 15 Minutes (B) 44 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period 30 Minutes (D) 224 P.S.I.

Final Flow Period 90 Minutes (E) 46 P.S.I. to (F) 46 P.S.I.

Final Closed In Period 120 Minutes (G) 1542 P.S.I.

Final Hydrostatic Pressure (H) 3129 P.S.I.

COMPANY TERMS

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

Test Approved By

Signature of Customer or his authorized representative

Western Representative

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 12-11-93

Test Ticket No. 19979

Recorder No. 10242 Capacity _____ Location _____ P

Clock No. _____ Elevation _____ Well Temperature _____

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>3040</u> P.S.I.		M
B First Initial Flow Pressure	_____ P.S.I.	<u>15</u> Mins.	<u>15</u> Min
C First Final Flow Pressure	_____ P.S.I.	<u>30</u> Mins.	<u>33</u> Min
D Initial Closed-in Pressure	_____ P.S.I.	<u>90</u> Mins.	<u>90</u> Min
E Second Initial Flow Pressure	_____ P.S.I.	<u>120</u> Mins.	<u>120</u> Min
F Second Final Flow Pressure	_____ P.S.I.		
G Final Closed-in Pressure	_____ P.S.I.		
H Final Hydrostatic Mud	<u>3017</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 _____ 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 0	51	0	51	0	50	0	50
P 2 5		3	51	5		3	103
P 3 10		6	59	10		6	171
P 4 15	51	9	79	15		9	230
P 5 20		12	104	20		12	290
P 6 25		15	120	25		15	350
P 7 30		18	139	30		18	412
P 8 35		21	154	35		21	479
P 9 40		24	174	40		24	533
P 10 45		27	195	45		27	571
P 11 50		30	215	50		30	617
P 12 55		33	237	55		33	673
P 13 60		36		60		36	715
P 14 65		39		65		39	760
P 15 70		42		70		42	808
P 16 75		45		75		45	848
P 17 80		48		80		48	897
P 18 85		51		85		51	931
P 19 90		54		90	50	54	975
P 20 95		57		95		57	1014
wt. 100		60		100		60	1049

WESTERN TESTING CO., INC.

Pressure Data

Date 12-11-93

Test Ticket No. 19979

Recorder No. 10242 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	1084
P 2 110		66		110		66	1115
P 3 115		69		115		69	1150
P 4 120		72		120		72	1179
P 5 125		75		125		75	1219
P 6 130		78		130		78	1247
P 7 135		81		135		81	1272
P 8 140		84		140		84	1308
P 9 145		87		145		87	1329
P10 150		90		150		90	1362
P11 155		93		155		93	1381
P12 160		96		160		96	1407
P13 165		99		165		99	1426
P14 170		102		170		102	1451
P15 175		105		175		105	1472
P16 180		108		180		108	1481
P17 185		111		185		111	1509
P18 190		114		190		114	1527
P19 195		117		195		117	1546
P20 200		120		200		120	1560

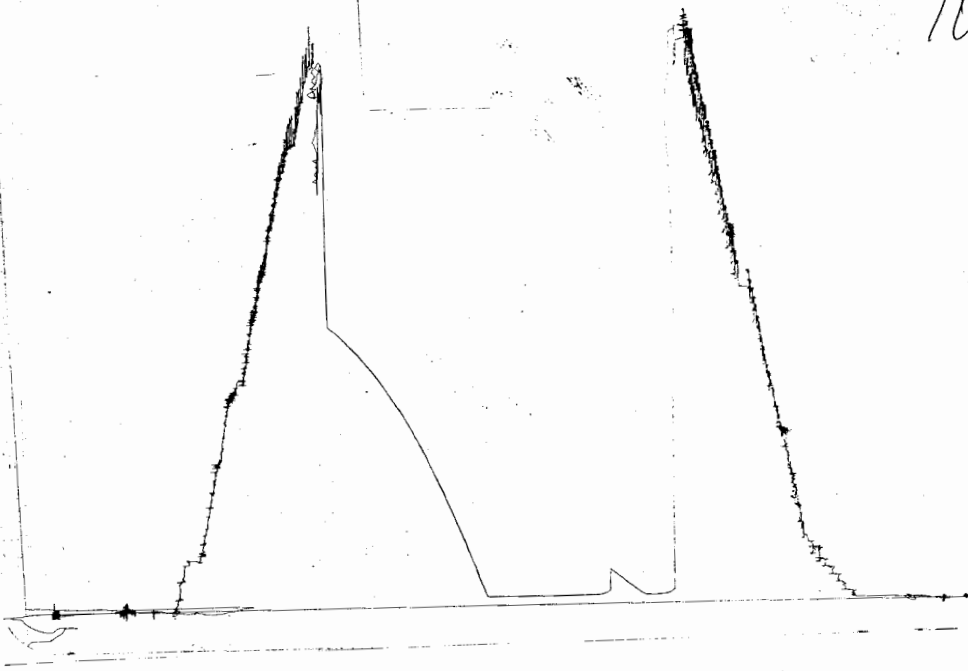
JK+ 19979

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DST#2

13266

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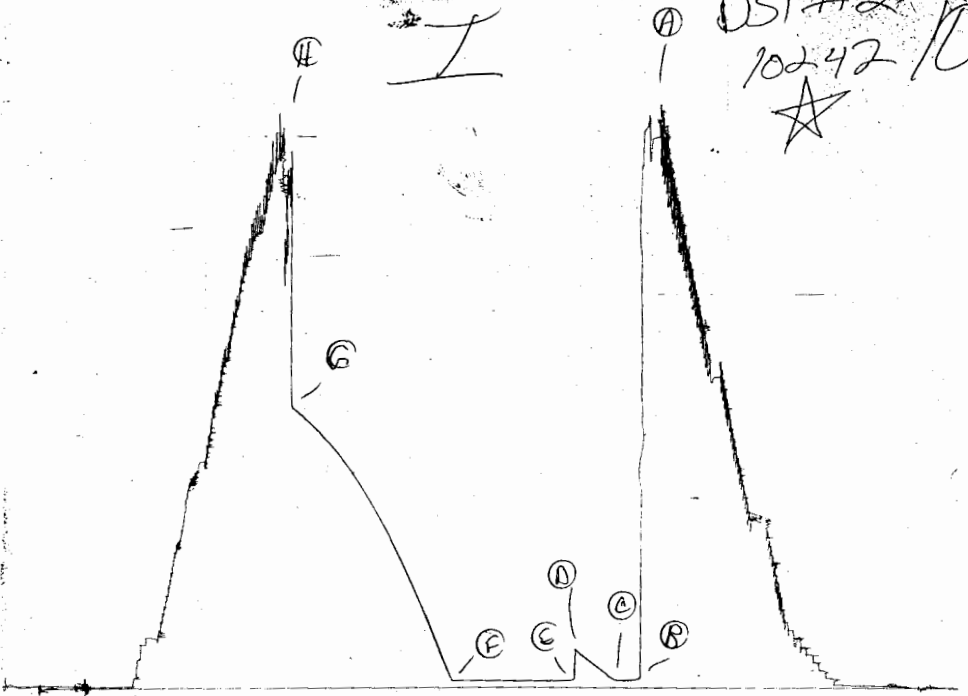
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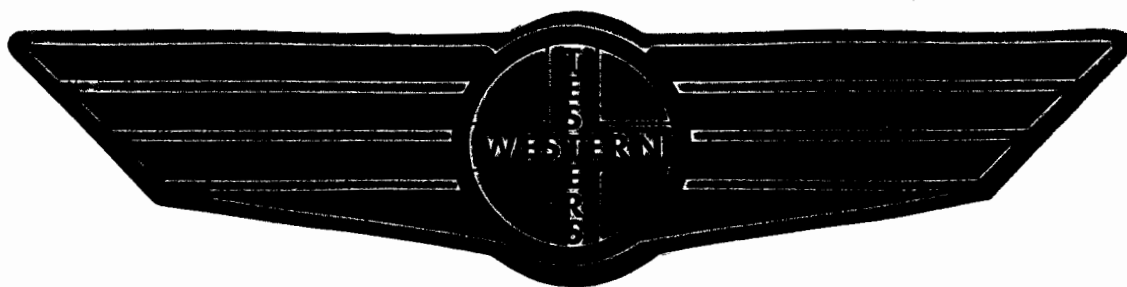
DST#2

10242

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 12-11-93	TICKET	: 19979
CUSTOMER	: BEREXCO INC.	LEASE	: HILBIG
WELL	: #1-27	TEST: 2	GEOLOGIST: E. GRIEVES
ELEVATION	: 2920 K.B.	FORMATION	: LOWER MORROW SAND
SECTION	: 27	TOWNSHIP	: 33S
RANGE	: 35W	STATE	: KS
GAUGE SN#	: 10242	RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	6057.00 ft	TO:	6075.00 ft	TVD:	6075.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	6070.0 ft		6073.0 ft		
TEMPERATURE:	136.0				
DRILL COLLAR LENGTH:	606.0 ft	I.D.:	2.250 in		
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH :	5419.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	32.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	18.0 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:	6052.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	6057.0 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 #7	VISCOSITY :	55.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	7.600 cc
WEIGHT :	9.100 ppg		
CHLORIDES :	1600 ppm	SERIAL NUMBER:	415
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

FAIR BLOW OFF BOTTOM OF BUCKET IN 10 MINUTES ON
INITIAL FLOW PERIOD. FAIR BLOW OFF BOTTOM OF
BUCKET IN 11 MINUTES ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	0.0	0.0	0.0	100.0	MUD
0.0	0.0	0.0	0.0	0.0	600 FT. GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0983	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.0983	STB		
			TOTAL FLOW TIME:	105.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3131.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	44.00	46.00
INITIAL SHUT-IN	30.00		224.00
FINAL FLOW	90.00	46.00	46.00
FINAL SHUT-IN	120.00		1542.00

FINAL HYDROSTATIC PRESSURE: 3129.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3040.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	51.00	51.00
INITIAL SHUT-IN	33.00		237.00
FINAL FLOW	90.00	50.00	50.00
FINAL SHUT-IN	120.00		1560.00

FINAL HYDROSTATIC PRESSURE: 3017.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12-11-93	TICKET : 19979
CUSTOMER : BEREXCO INC.	LEASE : HILBIG
WELL : #1-27	GEOLOGIST: E. GRIEVES
ELEVATION: 2920 K.B.	FORMATION: LOWER MORROW SAND
SECTION : 27	TOWNSHIP : 33S
RANGE : 35W	STATE : KS
GAUGE SN#: 10242	CLOCK : 12
TEST: 2	
COUNTY: STEVENS	
RANGE : 4100	

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	51.00	51.00
5.00	51.00	0.00
10.00	51.00	0.00
15.00	51.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	51.00	51.00	0.00
6.00	59.00	8.00	0.00
9.00	79.00	20.00	0.00
12.00	104.00	25.00	0.00
15.00	120.00	16.00	0.00
18.00	139.00	19.00	0.00
21.00	154.00	15.00	0.00
24.00	174.00	20.00	0.00
27.00	195.00	21.00	0.00
30.00	215.00	20.00	0.00
33.00	237.00	22.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	50.00	50.00
5.00	50.00	0.00
10.00	50.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
15.00	50.00	0.00
20.00	50.00	0.00
25.00	50.00	0.00
30.00	50.00	0.00
35.00	50.00	0.00
40.00	50.00	0.00
45.00	50.00	0.00
50.00	50.00	0.00
55.00	50.00	0.00
60.00	50.00	0.00
65.00	50.00	0.00
70.00	50.00	0.00
75.00	50.00	0.00
80.00	50.00	0.00
85.00	50.00	0.00
90.00	50.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	103.00	103.00	0.00
6.00	171.00	68.00	0.00
9.00	230.00	59.00	0.00
12.00	290.00	60.00	0.00
15.00	350.00	60.00	0.00
18.00	412.00	62.00	0.00
21.00	479.00	67.00	0.00
24.00	533.00	54.00	0.00
27.00	571.00	38.00	0.00
30.00	617.00	46.00	0.00
33.00	673.00	56.00	0.00
36.00	715.00	42.00	0.00
39.00	760.00	45.00	0.00
42.00	808.00	48.00	0.00
45.00	848.00	40.00	0.00
48.00	897.00	49.00	0.00
51.00	931.00	34.00	0.00
54.00	975.00	44.00	0.00
57.00	1014.00	39.00	0.00
60.00	1049.00	35.00	0.00
63.00	1084.00	35.00	0.00
66.00	1115.00	31.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
69.00	1150.00	35.00	0.00
72.00	1179.00	29.00	0.00
75.00	1219.00	40.00	0.00
78.00	1247.00	28.00	0.00
81.00	1272.00	25.00	0.00
84.00	1308.00	36.00	0.00
87.00	1329.00	21.00	0.00
90.00	1362.00	33.00	0.00
93.00	1381.00	19.00	0.00
96.00	1407.00	26.00	0.00
99.00	1426.00	19.00	0.00
102.00	1451.00	25.00	0.00
105.00	1472.00	21.00	0.00
108.00	1481.00	9.00	0.00
111.00	1509.00	28.00	0.00
114.00	1527.00	18.00	0.00
117.00	1546.00	19.00	0.00
120.00	1560.00	14.00	0.00



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 19980

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

Elevation 2920 Formation Chester Eff. Pay _____ Ft.

District Hugoton Date 12-13-93 Customer Order No. _____

COMPANY NAME Berexco Inc.

ADDRESS 100 N. Broadway Suite 970 Wichita KS 67202-2209

LEASE AND WELL NO. Hilbig 1-27 COUNTY Stevens STATE KS Sec. 27 Twp. 33 Rge. 35W

Mail Invoice To SA ME Co. Name SA ME Address SA ME No. Copies Requested Plus

Mail Charts To See Distribution Sheet No. Copies Requested 10

Formation Test No. 3 Interval Tested From 6308 ft. to 6320 ft. Total Depth 6320 ft.

Packer Depth 6303 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 6308 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 6315 ft. Recorder Number 10242 Cap. 4100

Bottom Recorder Depth (Outside) 6318 ft. Recorder Number 13266 Cap. 4000

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

Drilling Contractor Beredco #7 Drill Collar Length 606 I. D. 2 1/4 in.

Mud Type Chem. Viscosity 60 Weight Pipe Length _____ I. D. _____ in.

Weight 9.0 Water Loss 6.6 cc. Drill Pipe Length 5670 I. D. 3.8 in.

Chlorides 1500 P.P.M. Test Tool Length 32 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 415 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 X H in.

Blow: WEAR slowly built to 1/4" in bucket I.F.

WEAR surface dried in 32 min F.F.

Recovered 15 ft. of mud - scum of oil

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: TotFired 15'

Time On Location 8:30 AM Time Pick Up Tool 9:30 AM Time Off Location _____ AM

Time Set Packer(s) 11:47 AM Time Started Off Bottom 3:35 AM Maximum Temperature 1400

Initial Hydrostatic Pressure _____ (A) 3141 P.S.I.

Initial Flow Period _____ Minutes 15 (B) 46 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 70 P.S.I.

Final Flow Period _____ Minutes 60 (E) 46 P.S.I. to (F) 46 P.S.I.

Final Closed In Period _____ Minutes 120 (G) 128 P.S.I.

Final Hydrostatic Pressure _____ (H) 3141 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 \$ _____

" ATIN - Pet E Wilson "

WESTERN TESTING CO., INC.

Pressure Data

DATE

12-13-93

Test Ticket No.

19980

Recorder No. _____ Capacity _____ Location _____ P.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	3139 P.S.I.		M
B First Initial Flow Pressure	P.S.I.	15 Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.	Mins.	Mins.
G Final Closed-in Pressure	P.S.I.		
H Final Hydrostatic Mud	3062 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 0	50	0	50	0	50	0	50
P 2 5	50	3	50	5	50	3	51
P 3 10	50	6	55	10	50	6	54
P 4 15	50	9	58	15	50	9	55
P 5 20		12	60	20		12	57
P 6 25		15	62	25		15	59
P 7 30		18	64	30	50	18	60
P 8 35		21	66	35	50	21	61
P 9 40		24	68	40	50	24	62
P10 45		27	71	45	50	27	63
P11 50		30	73	50	50	30	64
P12 55		33	75	55	50	33	65
P13 60		36		60	50	36	66
P14 65		39		65		39	68
P15 70		42		70		42	70
P16 75		45		75		45	72
P17 80		48		80		48	73
P18 85		51		85		51	74
P19 90		54		90		54	75
P20 95		57		95		57	76
100		60		100		60	

WESTERN TESTING CO., INC.
Pressure Data

Date _____

Test Ticket No. 19980

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	78
P 2 110		66		110		66	79
P 3 115		69		115		69	80
P 4 120		72		120		72	81
P 5 125		75		125		75	82
P 6 130		78		130		78	83
P 7 135		81		135		81	85
P 8 140		84		140		84	87
P 9 145		87		145		87	89
P10 150		90		150		90	91
P11 155		93		155		93	92
P12 160		96		160		96	95
P13 165		99		165		99	97
P14 170		102		170		102	99
P15 175		105		175		105	100
P16 180		108		180		108	102
P17 185		111		185		111	104
P18 190		114		190		114	106
P19 195		117		195		117	108
P20 200		120		200		120	110
						122	112
						124	113

DISTRIBUTION SHEET

WELL: Hilbig #1-27LOCATION: Sec. 27-33S-35W, Stevens Co., KS

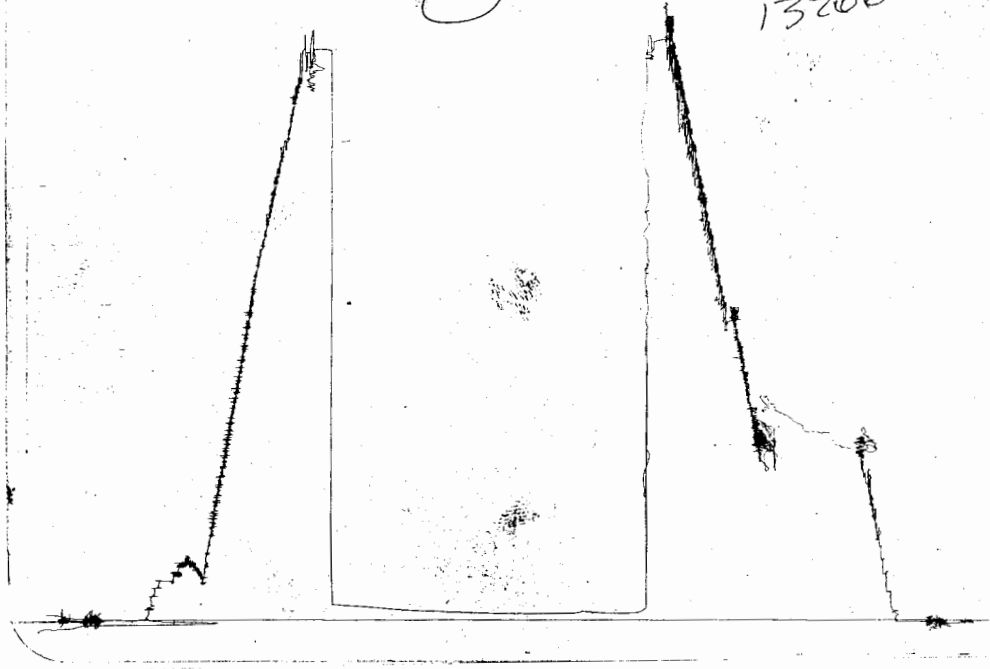
TELECOPY (ORDER)	TYPED GEOLOGIC REPORTS	MUD LOG PRINTS	DST	ELECTRIC LOG (INC. SAMPLE LOG) PRINTS	COMPANY
Yes (1)	3	2	2	6	BEREXCO INC. 5101 N. Classen, Suite 205 Oklahoma City, OK 73118 Attn: Pete Willson (405) 848-1165 Fax (405) 842-6539 Night Fax (405) 341-3138
Yes (4)	2	2	2	4	BEREXCO INC. 970 Fourth Financial Center Wichita, KS 67202 (316) 265-3311 Fax (316) 265-2994
Yes (2)	2	2	2	6	McCoy Petroleum Corporation 110 South Main, Suite 500 Wichita, KS 67202 Attn: Kevin McCoy Fax (316) 265-8530
Yes (3)	2	2	2	2	Mobil Exploration & Producing U.S. Inc. 2319 North Kansas Liberal, KS 67901 Attn: B. Roland Phone: (316) 626-1149 Fax: (316) 626-1128
No	2	2	2	2	ARCO Oil and Gas Company P. O. Box 1610 Midland, TX 79702 Attn: Sue Rosenberry Fax: (915) 688-5757

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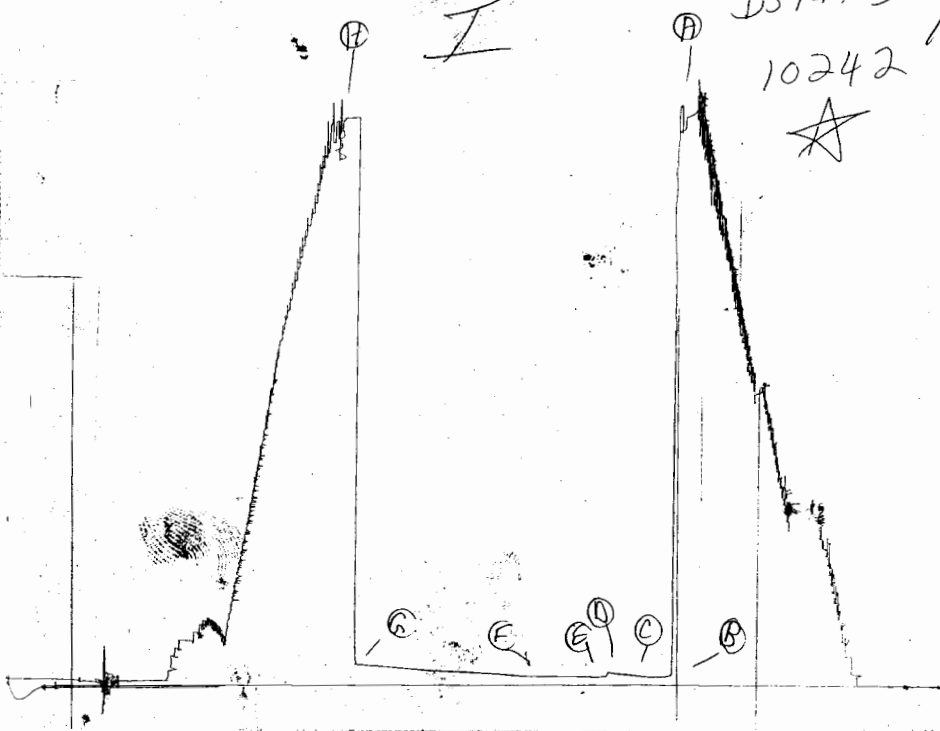
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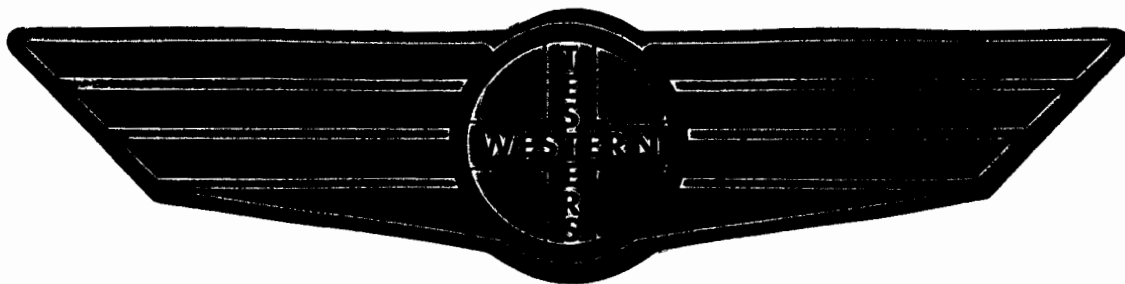
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10242
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 12-13-93	TICKET	: 19980
CUSTOMER	: BEREXCO INC.	LEASE	: HILBIG
WELL	: #1-27	TEST: 3	GEOLOGIST: E. GRIEVES
ELEVATION	: 2920 K.B.	FORMATION	: CHESTER
SECTION	: 27	TOWNSHIP	: 33S
RANGE	: 35W	STATE	: KS
GAUGE SN#	: 10242	RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	6308.00 ft	TO:	6320.00 ft	TVD:	6320.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	6315.0 ft		6318.0 ft		
TEMPERATURE:	140.0				
DRILL COLLAR LENGTH:	606.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	5670.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	32.0 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:	6303.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	6308.0 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 #7	VISCOSITY :	60.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	6.600 cc
WEIGHT :	9.000 ppg		
CHLORIDES :	1500 ppm	SERIAL NUMBER:	415
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

WEAK BLOW SLOWLY BUILDING TO .25" IN BUCKET ON
INITIAL FLOW PERIOD. WEAK SURFACE DIED IN 32 MIN.
ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
15.0	0.5	0.0	0.0	99.5	MUD - SCUM OF OIL

RATE INFORMATION

OIL VOLUME:	0.0004	STB	TOTAL FLOW TIME:	75.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	1.4162	STB/D
MUD VOLUME:	0.0734	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0738	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3141.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	46.00	46.00
INITIAL SHUT-IN	30.00		70.00
FINAL FLOW	60.00	46.00	46.00
FINAL SHUT-IN	120.00		128.00

FINAL HYDROSTATIC PRESSURE: 3141.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 3139.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	53.00	53.00
INITIAL SHUT-IN	33.00		75.00
FINAL FLOW	60.00	50.00	50.00
FINAL SHUT-IN	126.00		113.00

FINAL HYDROSTATIC PRESSURE: 3062.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 12-13-93	TICKET : 19980
CUSTOMER : BEREXCO INC.	LEASE : HILBIG
WELL : #1-27 TEST: 3	GEOLOGIST: E. GRIEVES
ELEVATION: 2920 K.B.	FORMATION: CHESTER
SECTION : 27	TOWNSHIP : 33S
RANGE : 35W COUNTY: STEVENS	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL 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

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	53.00	53.00	6.00
6.00	55.00	2.00	3.50
9.00	58.00	3.00	2.67
12.00	60.00	2.00	2.25
15.00	62.00	2.00	2.00
18.00	64.00	2.00	1.83
21.00	66.00	2.00	1.71
24.00	68.00	2.00	1.63
27.00	71.00	3.00	1.56
30.00	74.00	3.00	1.50
33.00	75.00	1.00	1.45

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	50.00	50.00
5.00	50.00	0.00
10.00	50.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
15.00	50.00	0.00
20.00	50.00	0.00
25.00	50.00	0.00
30.00	50.00	0.00
35.00	50.00	0.00
40.00	50.00	0.00
45.00	50.00	0.00
50.00	50.00	0.00
55.00	50.00	0.00
60.00	50.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	51.00	51.00	21.00
6.00	53.00	2.00	11.00
9.00	55.00	2.00	7.67
12.00	57.00	2.00	6.00
15.00	59.00	2.00	5.00
18.00	60.00	1.00	4.33
21.00	62.00	2.00	3.86
24.00	64.00	2.00	3.50
27.00	66.00	2.00	3.22
30.00	68.00	2.00	3.00
33.00	70.00	2.00	2.82
36.00	72.00	2.00	2.67
39.00	74.00	2.00	2.54
42.00	76.00	2.00	2.43
45.00	78.00	2.00	2.33
48.00	80.00	2.00	2.25
51.00	82.00	2.00	2.18
54.00	84.00	2.00	2.11
57.00	86.00	2.00	2.05
60.00	88.00	2.00	2.00
63.00	90.00	2.00	1.95
66.00	92.00	2.00	1.91
69.00	94.00	2.00	1.87
72.00	95.00	1.00	1.83
75.00	96.00	1.00	1.80
78.00	97.00	1.00	1.77
81.00	98.00	1.00	1.74
84.00	99.00	1.00	1.71

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
87.00	100.00	1.00	1.69
90.00	101.00	1.00	1.67
93.00	102.00	1.00	1.65
96.00	103.00	1.00	1.63
99.00	104.00	1.00	1.61
102.00	105.00	1.00	1.59
105.00	106.00	1.00	1.57
108.00	107.00	1.00	1.56
111.00	108.00	1.00	1.54
114.00	109.00	1.00	1.53
117.00	110.00	1.00	1.51
120.00	111.00	1.00	1.50
123.00	112.00	1.00	1.49
126.00	113.00	1.00	1.48

TO: BEREXCO, INC.
5101 N CLASSEN BLVD SUITE 205
OKLAHOMA CITY, OKLAHOMA 73118
ATTN: PETE WILSON

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

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

DATE : DECEMBER 20, 1993

WELL NAME & NUMBER: #1-27 HILBIG

TEST NUMBERS: 1,2 & 3

LOCATION: STEVENS CO., KS.

COPIES MAILED TO:

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

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WICHITA, KANSAS 67202
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