



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 19301

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

Elevation 2016 KB Formation Viola Eff. Pay Ft.

District PRATT Date 3-4-93 Customer Order No.
COMPANY NAME Neo-Pet Inc.
ADDRESS P.O. Box 48518 Wichita Kansas 67201-8518
LEASE AND WELL NO. 1-N Alexander COUNTY Barber STATE KANSAS Sec. 11 Twp 32S Rge 15W
Mail Invoice To Sama Address H-1-N Alexander Copies Requested Reg
Co. Name Sama Address No. Copies Requested Reg
Mail Charts To Sama Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4957 ft. to 4976 ft. Total Depth 4976 ft.
Packer Depth 4952 ft. Size 6.58 in. Packer Depth 2 ft. Size 2 in.
Packer Depth 4957 ft. Size 6.58 in. Packer Depth 2 ft. Size 2 in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 4967 ft. Recorder Number 13265 Cap. 3975
Bottom Recorder Depth (Outside) 4970 ft. Recorder Number 13268 Cap. 4225
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Eagle Drilling Drill Collar Length 541 I. D. 2 1/4 in.
Mud Type Chem Viscosity 45 Weight Pipe Length 0 I. D. in.
Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 4394 I. D. 3.8 in.
Chlorides 3,500 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
Jars: Make No Serial Number Anchor Length 19 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 7/8 in. Tool Joint Size 4 1/2 X 14 in.

Blow: Strong show on initial flow - gas to surface 20 minutes on
final flow - See flow chart
Recovered 120 ft. of gas tail cut mud 10% gas - 10% oil - 80% mud
Recovered 60 ft. of gas tail cut water mud - 15% gas - 5% oil - 30% water - 50% mud
Recovered 60 ft. of gas tail cut muddy water - 25% gas - 3% oil - 20% mud 52% water
Recovered ft. of
Recovered 3260 ft. of water 74,000 P.P.M. MAR 08 1993

Chlorides P.P.M. Sample Jars used Remarks: One Chart
Neo - Kiph chart # 13268

Time On Location 2:00 AM Time Pick Up Tool 4:00 AM Time Off Location 12:30 PM
Time Set Packer(s) 5:45 AM Time Started Off Bottom 9:15 AM Maximum Temperature 140 °F
Initial Hydrostatic Pressure (A) 2396 P.S.I.
Initial Flow Period Minutes 30 (B) 503 P.S.I. to (C) 950 P.S.I.
Initial Closed In Period Minutes 60 (D) 1728 P.S.I.
Final Flow Period Minutes 60 (E) 1148 P.S.I. to (F) 1616 P.S.I.
Final Closed In Period Minutes 60 (G) 1247 P.S.I.
Final Hydrostatic Pressure (H) 2396 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 Red Witt - Thank You

FIELD INVOICE

Open Hole Test \$100
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$100

WESTERN TESTING CO., INC.

Pressure Data

Date J-4-92 Test Ticket No. 19501

Recorder No. 1265 Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2395</u> P.S.I.			M
B First Initial Flow Pressure	<u>499</u> P.S.I.	First Flow Pressure	Mins. <u>25</u>	Mins.
C First Final Flow Pressure	<u>972</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>125</u>	Mins.
D Initial Closed-in Pressure	<u>1728</u> P.S.I.	Second Flow Pressure	Mins. <u>60</u>	Mins.
E Second Initial Flow Pressure	<u>1068</u> P.S.I.	Final Closed-in Pressure	Mins. <u>60</u>	Mins.
F Second Final Flow Pressure	<u>1616</u> P.S.I.			
G Final Closed-in Pressure	<u>1728</u> P.S.I.			
H Final Hydrostatic Mud	<u>2384</u> P.S.I.			

PRESSURE BREAKDOWN

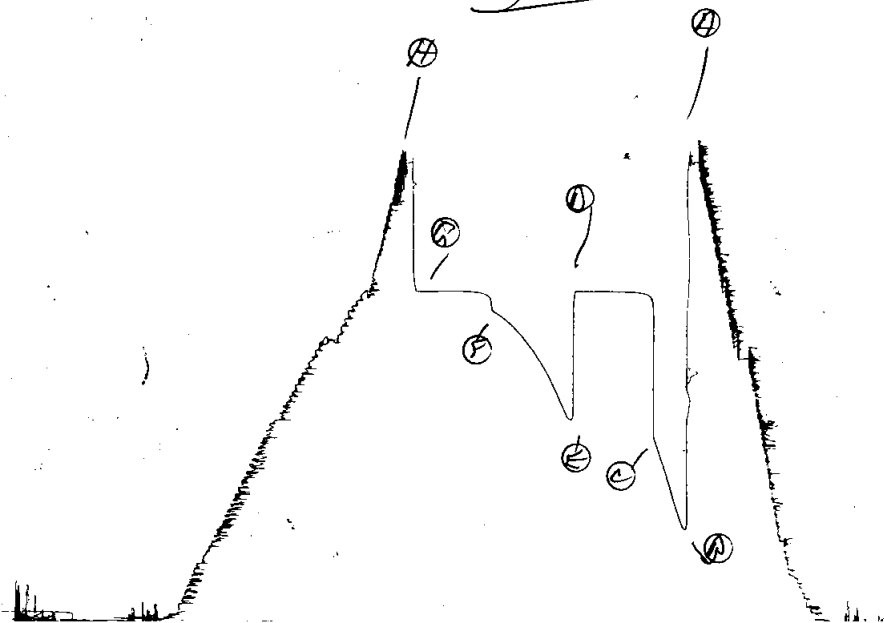
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final 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>499</u>	0	<u>972</u>	0	<u>1068</u>	0	<u>1616</u>
P 2 5	<u>548</u>	3	<u>1647</u>	5	<u>1097</u>	3	<u>1624</u>
P 3 10	<u>605</u>	6	<u>1702</u>	10	<u>1167</u>	6	<u>1708</u>
P 4 15	<u>777</u>	9	<u>1714</u>	15	<u>1225</u>	9	<u>1716</u>
P 5 20	<u>881</u>	12	<u>1718</u>	20	<u>1302</u>	12	<u>1719</u>
P 6 25	<u>972</u>	15	<u>1722</u>	25	<u>1356</u>	15	<u>1721</u>
P 7 30		18	<u>1725</u>	30	<u>1407</u>	18	<u>1722</u>
P 8 35		21	<u>1725</u>	35	<u>1452</u>	21	<u>1722</u>
P 9 40		24	<u>1726</u>	40	<u>1496</u>	24	
P10 45		27	<u>5</u>	45	<u>1529</u>	27	<u>1722</u>
P11 50		30	<u>1726</u>	50	<u>1564</u>	30	<u>1722</u>
P12 55		33	<u>1727</u>	55	<u>1591</u>	33	
P13 60		36	<u>1727</u>	60	<u>1616</u>	36	
P14 65		39	<u>1728</u>	65		39	
P15 70		42	<u>5</u>	70		42	
P16 75		45	<u>1728</u>	75		45	
P17 80		48		80		48	
P18 85		51		85		51	
P19 90		54		90		54	
P20 95		57		95		57	
100		60		100		60	<u>1722</u>
		102	<u>1728</u>				

13240-431#1

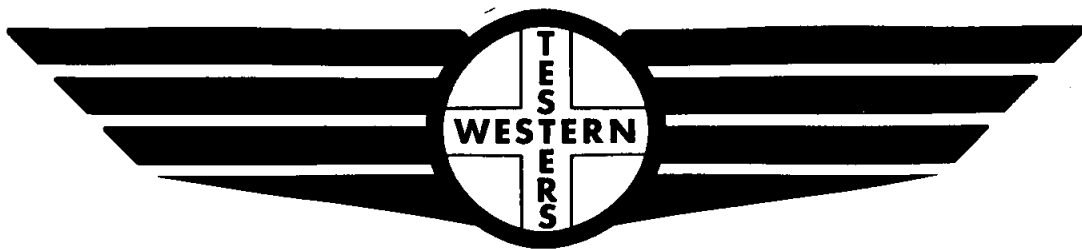


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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY NEO-PET, INC.

LEASE & WELL NO. #1-N ALEXANDER

SEC. 11 TWP. 32S RGE. 15W TEST NO. 1

DATE 3/4/93

DST REPORT

GENERAL INFORMATION

DATE	: 3-4-93	TICKET	: 19301
CUSTOMER	: NEO-PET. INC.	LEASE	: ALEXANDER
WELL	: 1-W TEST. 1	GEOLOGIST	: J. KENNEDY
ELEVATION	: 2016 K.B.	FORMATION	: VIOLEA
SECTION	: 11	TOWNSHIP	: 32S
RANGE	: 15W	COUNTY	: BARBER
GAUGE SN#	: 13265	RANGE	: 3975
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4957.00 ft	TO:	4970.00 ft	TVD:	4970.0 ft
DEPTH OF SELECTIVE LOG:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4967.0 ft		4970.0 ft		
TEMPERATURE:	140.0				
DRILL COLLAR LENGTH:	541.0 ft	I.D.:	2.250 in		
WEIGHT PIPE LENGTH:	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH:	4394.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH:	22.0 ft	TOOL SIZE:	3.500 in		
ANCHOR LENGTH:	19.0 ft	ANCHOR SIZE:	5.500 in		
SURFACE CHOKE SIZE:	0.750 in	BOTTOM CHOKE SIZE:	0.750 in		
MAIN HOLE SIZE:	7.875 in	COOL JOINT SIZE:	6.650 in		
PACKER DEPTH:	4952.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	4957.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in		

MUD INFORMATION

DRILLING CON.:	EAGLE DRLG.	VISCOSITY:	45.00 cp
MUD TYPE:	CHEMICAL	WATER LOSS:	8.000 cc
WEIGHT:	9.200 ppg	SERIAL NUMBER:	NOC
CHLORIDES:	3000 ppm	REVERSED OUT?:	NO
JARS-MAKE:	NO		
DID WELL FLOW?:	NO		

COMMENTS

Comment

STRONG BLOW ON INITIAL FLOW PERIOD. GAS TO SURFACE IN 25 MINUTES ON FINAL FLOW PERIOD. SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	10.0	10.0	0.0	80.0	GAS & OIL CUT MUD
60.0	5.0	15.0	30.0	50.0	GAS & OIL C/WATERY MUD
60.0	3.0	25.0	52.0	20.0	GAS & OIL C/MUDDY WATER
3260.0	0.0	0.0	100.0	0.0	WATER CHLORIDES 74000 PPM

RATE INFORMATION

OIL VOLUME: 0.2356 STB
 GAS VOLUME: 2.8353 SCF
 MUD VOLUME: 1.9356 STB
 WATER VOLUME: 41.1111 STB
 TOTAL FLUID : 43.6594 STB

TOTAL FLOW TIME: 85.0000 min.
 AVERAGE OIL RATE: 27.9773 STB/D
 AVERAGE WATER RATE: 711.6037 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2306.00

Description	Duration	p1	p End
INITIAL FLOW	25.00	503.00	950.00
INITIAL SHUT-IN	30.00		1728.00
FINAL FLOW	60.00	1148.00	1816.00
FINAL SHUT-IN	60.00		1747.00
FINAL HYDROSTATIC PRESSURE:			2396.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2398.00

Description	Duration	p1	p End
INITIAL FLOW	25.00	499.00	972.00
INITIAL SHUT-IN	63.00		1728.00
FINAL FLOW	60.00	1068.00	1516.00
FINAL SHUT-IN	60.00		1723.00

FINAL HYDROSTATIC PRESSURE: 2384.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 3-4-93	TICKET : 19301
CUSTOMER : NEO-PET. INC.	LEASE : ALEXANDER
WELL : 1-N TEST: 1	GEOLOGIST: K. KENNEDY
ELEVATION: 2016 K.B.	FORMATION: VIOLEA
SECTION : 11	TOWNSHIP : 32S
RANGE : 15W	STATE : KS
GAUGE SN#: 13265	CLOCK : 12
COUNTY: BAPPEE	
RANGE : 3975	

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
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SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
20 MIN.		0.000	GAS TO SURF.	0 SCF/D
30 MIN.	MERLA	0.250	1"OF WTR.	1680 SCF/D
40 MIN.	MERLA	0.250	1"OF WTR.	1680 SCF/D
50 MIN.	MERLA	0.250	1"OF WTR.	1680 SCF/D
60 MIN.	MERLA	0.250	1"OF WTR.	1680 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 3-4-93	TICKET	: 19301
CUSTOMER	: NEO-PET. INC.	LEASE	: ALEXANDER
WELL	: 1-N	GEOLOGIST	: K. KENNEDY
ELEVATION	: 2016 K.F.	FORMATION	: VICLA
SECTION	: 11	TOWNSHIP	: 32S
RANGE	: 15W	STATE	: KS
GAUGE SN#	: 18265	CLOCK	: 12
TEST	: 1	COUNTY	: BARBER
		RANGE	: 3675

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	699.00	19.00
5.00	648.00	48.00
10.00	665.00	117.00
15.00	777.00	211.00
20.00	881.00	104.00
25.00	972.00	91.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	672.00	672.00	2.67
6.00	1647.00	675.00	1.83
9.00	1702.00	35.00	1.56
12.00	1714.00	12.00	1.42
15.00	1718.00	4.00	1.33
18.00	1723.00	5.00	1.28
21.00	1725.00	2.00	1.24
24.00	1725.00	1.00	1.21
27.00	1726.00	0.00	1.19
30.00	1727.00	1.00	1.17
33.00	1727.00	0.00	1.15
36.00	1727.00	0.00	1.14
39.00	1728.00	1.00	1.13
42.00	1728.00	0.00	1.12
45.00	1728.00	0.00	1.11
48.00	1728.00	0.00	1.10
51.00	1728.00	0.00	1.09
54.00	1728.00	0.00	1.09
57.00	1728.00	0.00	1.09
60.00	1728.00	0.00	1.08

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
63.00	1728.00	0.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	1068.00	1068.00
5.00	1097.00	29.00
10.00	1164.00	57.00
15.00	1235.00	71.00
20.00	1302.00	67.00
25.00	1356.00	84.00
30.00	1407.00	81.00
35.00	1452.00	48.00
40.00	1496.00	44.00
45.00	1543.00	30.00
50.00	1584.00	35.00
55.00	1591.00	27.00
60.00	1616.00	25.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1616.00	1616.00	22.67
6.00	1696.00	80.00	11.83
9.00	1708.00	12.00	8.22
12.00	1716.00	8.00	6.42
15.00	1719.00	3.00	5.33
18.00	1721.00	2.00	4.51
21.00	1722.00	1.00	4.10
24.00	1722.00	0.00	3.91
27.00	1722.00	0.00	3.41
30.00	1723.00	1.00	3.17
33.00	1723.00	0.00	2.97
36.00	1723.00	0.00	2.81
39.00	1723.00	0.00	2.67
42.00	1723.00	0.00	2.55
45.00	1723.00	0.00	2.44
48.00	1725.00	0.00	2.30

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHOT IN (CONTINUED)

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	1723.00	0.00	2.27
54.00	1723.00	0.00	2.20
57.00	1723.00	0.00	2.14
60.00	1723.00	0.00	2.08