



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 19942

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

Elevation 2976 KB Formation Topeka Eff. Pay _____ Ft.

District Hugoton Date 11-10-93 Customer Order No. _____

COMPANY NAME McCoy Pet. Corp

ADDRESS 110 S. Main Suite 500 Wichita KS 67202

LEASE AND WELL NO. Ferretas A 3-15 COUNTY Scott STATE KS Sec. 15 Twp. 19 Rge. 33W

Mail Invoice To McCoy Pet Corp SAME No. Copies Requested Reg
Co. Name Address

Mail Charts To H-15 Ferretas Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 3598 ft. to 3612 ft. Total Depth 3612 ft.

Packer Depth 3593 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3598 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3603 ft. Recorder Number 10242 Cap. 4100

Bottom Recorder Depth (Outside) 3606 ft. Recorder Number 13266 Cap. 4000

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

Drilling Contractor Sweetman Drill Collar Length 272 I. D. 2 1/4 in.

Mud Type Premix Viscosity 38 Weight Pipe Length _____ I. D. _____ in.

Weight 9.0 Water Loss 8.8 cc. Drill Pipe Length 3293 I. D. 3.8 in.

Chlorides 10,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.

Jars: Make WTS Serial Number 415 Anchor Length 14 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: WEAK - slowly built to 4 1/2" in bucket IF.
WEAK surface blow

Recovered 110 ft. of mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of Total F/P Rec 110

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

Plugging IFP & FFP

Time On Location 5:30 A.M. Time Pick Up Tool 8:00 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 10:10 A.M. Time Started Off Bottom 2:10 A.M. Maximum Temperature 110°F

Initial Hydrostatic Pressure _____ (A) 1790 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 70-133 P.S.I. to (C) 133 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 1079 P.S.I.

Final Flow Period _____ Minutes 60 (E) 128 P.S.I. to (F) 130 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 1067 P.S.I.

Final Hydrostatic Pressure _____ (H) 1788 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 John Harty
Signature of Customer of his authorized representative

Western Representative Victor Byls

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 11-10-93

Test Ticket No. 19942

Recorder No. 10242 Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1784</u>	P.S.I.	_____ M	_____
B First Initial Flow Pressure <u>68</u>	P.S.I.	<u>30</u> Mins	<u>35</u> Min
C First Final Flow Pressure <u>154</u>	P.S.I.	<u>60</u> Mins	<u>60</u> Min
D Initial Closed-in Pressure <u>1077</u>	P.S.I.	<u>60</u> Mins	<u>60</u> Min
E Second Initial Flow Pressure <u>115</u>	P.S.I.	<u>90</u> Mins	<u>93</u> Min
F Second Final Flow Pressure <u>145</u>	P.S.I.		
G Final Closed-in Pressure <u>1063</u>	P.S.I.		
H Final Hydrostatic Mud <u>1745</u>	P.S.I.		

Plugging IFP & FFP

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.
B P 1 0	<u>68</u>	C 0	<u>154</u>	E 0	<u>115</u>	F 0	<u>145</u>
P 2 5	<u>122</u>	3	<u>765</u>	5	<u>314</u>	3	<u>724</u>
P 3 10	<u>136</u>	6	<u>877</u>	10	<u>323</u>	6	<u>826</u>
P 4 15	<u>285</u>	9	<u>916</u>	15	<u>463</u>	9	<u>889</u>
P 5 20	<u>141</u>	12	<u>949</u>	20	<u>180</u>	12	<u>920</u>
P 6 25	<u>148</u>	15	<u>974</u>	25	<u>215</u>	15	<u>947</u>
P 7 30	<u>276</u>	18	<u>995</u>	30	<u>533</u>	18	<u>962</u>
C P 8 35	<u>154</u>	21	<u>1009</u>	35	<u>125</u>	21	<u>970</u>
P 9 40		24	<u>1020</u>	40	<u>154</u>	24	<u>983</u>
P10 45		27	<u>1028</u>	45	<u>129</u>	27	<u>992</u>
P11 50		30	<u>1039</u>	50	<u>236</u>	30	<u>1001</u>
P12 55		33	<u>1045</u>	55	<u>222</u>	33	<u>1005</u>
P13 60		36	<u>1050</u>	F 60	<u>145</u>	36	<u>1012</u>
P14 65		39	<u>1056</u>	65		39	<u>1015</u>
P15 70		42	<u>1063</u>	70		42	<u>1021</u>
P16 75		45	<u>1064</u>	75		45	<u>1024</u>
P17 80		48	<u>1066</u>	80		48	<u>1030</u>
P18 85		51	<u>1070</u>	85		51	<u>1032</u>
P19 90		54	<u>1073</u>	90		54	<u>1034</u>
P20 95		57	<u>1074</u>	95		57	<u>1037</u>
100		D 60	<u>1077</u>	100		G 60	<u>1039</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 11-10-92

Test Ticket No. 19942

Recorder No. 10242 Capacity _____ Location _____ Ft.

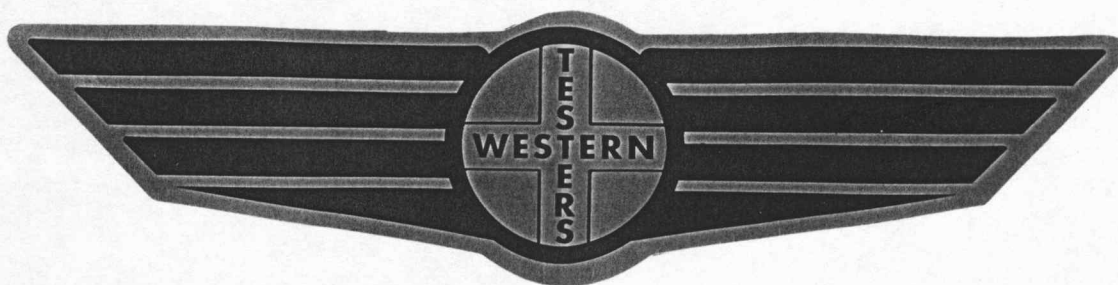
Clock No. _____ Elevation _____ Well Temperature _____ °F

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	1041
P 2 110		66		110		66	1042
P 3 115		69		115		69	1045
P 4 120		72		120		72	1047
P 5 125		75		125		75	1049
P 6 130		78		130		78	1051
P 7 135		81		135		81	1052
P 8 140		84		140		84	1055
P 9 145		87		145		87	1057
P10 150		90		150		90	1060
P11 155		93		155		93	1063
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY McCOY PETROLEUM CORP. LEASE & WELL NO. FEIERTAG A #3-15 SEC. 15 TWP. 19S RGE. 33W TEST NO. 1 DATE 11-10-93

DST REPORT

GENERAL INFORMATION

DATE	: 11-10-93	TICKET	: 19942
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST: 1	GEOLOGIST: JOHN HASTINGS
ELEVATION	: 2976 K.B.	FORMATION	: TOPEKA
SECTION	: 15	TOWNSHIP	: 19S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 10242	RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	3598.00 ft	TO:	3612.00 ft	TVD:	3612.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3603.0 ft		3606.0 ft		
TEMPERATURE:	110.0				
DRILL COLLAR LENGTH:	277.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3293.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	14.0 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:	3593.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3598.0 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. :	SWEETMAN DRLG.	VISCOSITY :	38.00 cp
MUD TYPE :	PREMIX	WATER LOSS:	8.800 cc
WEIGHT :	9.000 ppg		
CHLORIDES :	10000 ppm	SERIAL NUMBER:	415
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

WEAK SLOWLY BUILDING TO 4.5" IN BUCKET ON INITIAL
FLOW PERIOD. WEAK SURFACE BLOW ON FINAL FLOW
PERIOD. PLUGGING ON INITIAL AND FINAL FLOW

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

PERIODS.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
110.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.5409	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.5409	STB		
			TOTAL FLOW TIME:	95.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1790.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	70.00	133.00
INITIAL SHUT-IN	60.00		1079.00
FINAL FLOW	60.00	128.00	130.00
FINAL SHUT-IN	90.00		1067.00

FINAL HYDROSTATIC PRESSURE: 1788.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1784.00

Description	Duration	p1	p End
INITIAL FLOW	35.00	68.00	154.00
INITIAL SHUT-IN	60.00		1077.00
FINAL FLOW	60.00	115.00	145.00
FINAL SHUT-IN	93.00		1063.00

FINAL HYDROSTATIC PRESSURE: 1745.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11-10-93	TICKET : 19942
CUSTOMER : MCCOY PETROLEUM CORP.	LEASE : FEIERTAG A
WELL : #3-15 TEST: 1	GEOLOGIST: JOHN HASTINGS
ELEVATION: 2976 K.B.	FORMATION: TOPEKA
SECTION : 15	TOWNSHIP : 19S
RANGE : 33W COUNTY: SCOTT	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	68.00	68.00
5.00	122.00	54.00
10.00	136.00	14.00
15.00	285.00	149.00
20.00	141.00	-144.00
25.00	148.00	7.00
30.00	276.00	128.00
35.00	154.00	-122.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	765.00	765.00	0.00
6.00	877.00	112.00	0.00
9.00	916.00	39.00	0.00
12.00	949.00	33.00	0.00
15.00	974.00	25.00	0.00
18.00	995.00	21.00	0.00
21.00	1009.00	14.00	0.00
24.00	1020.00	11.00	0.00
27.00	1028.00	8.00	0.00
30.00	1039.00	11.00	0.00
33.00	1045.00	6.00	0.00
36.00	1050.00	5.00	0.00
39.00	1056.00	6.00	0.00
42.00	1063.00	7.00	0.00
45.00	1064.00	1.00	0.00
48.00	1066.00	2.00	0.00
51.00	1070.00	4.00	0.00
54.00	1073.00	3.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
57.00	1075.00	2.00	0.00
60.00	1077.00	2.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	115.00	115.00
5.00	314.00	199.00
10.00	323.00	9.00
15.00	463.00	140.00
20.00	180.00	-283.00
25.00	215.00	35.00
30.00	533.00	318.00
35.00	125.00	-408.00
40.00	154.00	29.00
45.00	129.00	-25.00
50.00	236.00	107.00
55.00	222.00	-14.00
60.00	145.00	-77.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	724.00	724.00	0.00
6.00	826.00	102.00	0.00
9.00	889.00	63.00	0.00
12.00	920.00	31.00	0.00
15.00	947.00	27.00	0.00
18.00	962.00	15.00	0.00
21.00	970.00	8.00	0.00
24.00	983.00	13.00	0.00
27.00	992.00	9.00	0.00
30.00	1001.00	9.00	0.00
33.00	1005.00	4.00	0.00
36.00	1012.00	7.00	0.00
39.00	1015.00	3.00	0.00
42.00	1021.00	6.00	0.00
45.00	1024.00	3.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

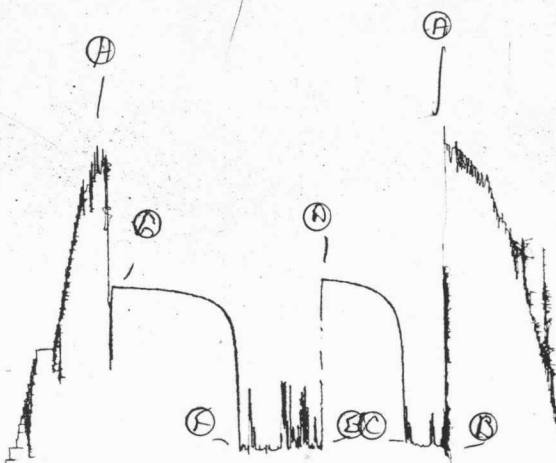
<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
48.00	1030.00	6.00	0.00
51.00	1032.00	2.00	0.00
54.00	1034.00	2.00	0.00
57.00	1037.00	3.00	0.00
60.00	1039.00	2.00	0.00
63.00	1041.00	2.00	0.00
66.00	1043.00	2.00	0.00
69.00	1045.00	2.00	0.00
72.00	1047.00	2.00	0.00
75.00	1049.00	2.00	0.00
78.00	1051.00	2.00	0.00
81.00	1053.00	2.00	0.00
84.00	1055.00	2.00	0.00
87.00	1057.00	2.00	0.00
90.00	1060.00	3.00	0.00
93.00	1063.00	3.00	0.00

KT 1994L

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DST #1

10242

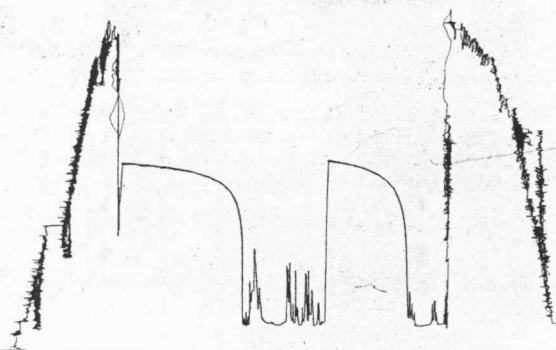


KT 1994L

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DST #1

13266





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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 19943

Elevation 2976 KB Formation Toronto Eff. Pay _____ Ft.

District Hugoton Date 11-11-93 Customer Order No. _____
COMPANY NAME McClay Pet. Corp
ADDRESS 1105 Main Suite 500 Wichita KS. 67202
LEASE AND WELL NO. Feiertag A-3-15 COUNTY Scott STATE KS Sec 15 Twp. 19 Rge. 33w
Mail Invoice To SAME Co. Name " Address " No. Copies Requested Reg
Mail Charts To _____ Address _____ No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 3832 ft. to 3849 ft. Total Depth 3849 ft.
Packer Depth 3827 ft. Size 698 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3832 ft. Size 698 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3841 ft. Recorder Number 10242 Cap. 4100
Bottom Recorder Depth (Outside) 3844 ft. Recorder Number 13266 Cap. 4000
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Sweetman Drill Collar Length 277 I. D. 2 1/4 in.
Mud Type Chem. Viscosity 42 Weight Pipe Length _____ I. D. _____ in.
Weight 8.9 Water Loss 11.2 cc. Drill Pipe Length 3527 I. D. 3.8 in.
Chlorides 2000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number 415 Anchor Length 17 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 2 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: FAIR - B.O.B. 2 min IF.
FAIR - B.O.B. 3 min F.F.
Recovered 550 ft. of Hugoton
Recovered 30 ft. of oil
Recovered 550 ft. of Hugoton cut SALT WTR 27% oil 53% WTR 9% mud 11% gas
Recovered 1010 ft. of Salt WTR
Recovered _____ ft. of _____
Chlorides 38,000 P.P.M. Sample Jars used _____ Remarks: Gravity - 10 AT 60°

Time On Location <u>11:15</u> <u>A.M.</u>	Time Pick Up Tool <u>12:15</u> <u>P.M.</u>	Time Off Location _____ <u>A.M.</u>
Time Set Packer(s) <u>2:05</u> <u>P.M.</u>	Time Started Off Bottom <u>5:05</u> <u>P.M.</u>	Maximum Temperature <u>118° F</u>
Initial Hydrostatic Pressure _____ (A) <u>2005</u> P.S.I.	Initial Flow Period _____ Minutes <u>30</u> (B) <u>144</u> P.S.I. to (C) <u>551</u> P.S.I.	Initial Closed In Period _____ Minutes <u>60</u> (D) <u>1092</u> P.S.I.
Final Flow Period _____ Minutes <u>30</u> (E) <u>603</u> P.S.I. to (F) <u>775</u> P.S.I.	Final Closed In Period _____ Minutes <u>60</u> (G) <u>1096</u> P.S.I.	Final Hydrostatic Pressure _____ (H) <u>2003</u> 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]
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		\$	

Read outside recorder # 13266

Read Outside

WESTERN TESTING CO., INC.

Pressure Data

Date 11-11-93

Test Ticket No. 19943

Recorder No. ~~10072~~ 13266 Capacity _____ Location _____ Ft

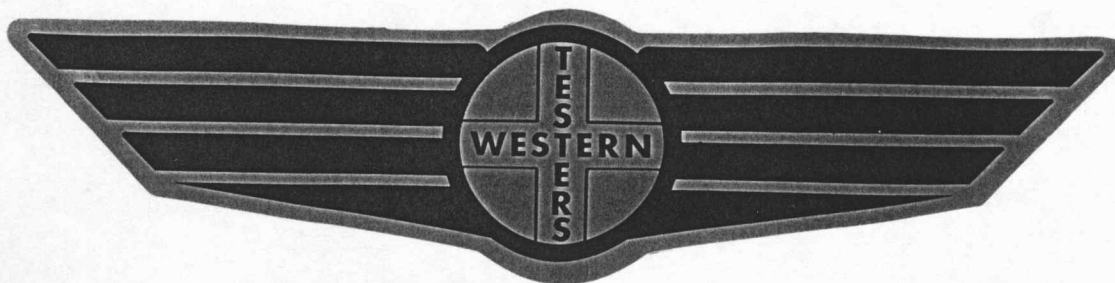
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1849</u>	P.S.I.		M
B First Initial Flow Pressure <u>163</u>	P.S.I.	<u>30</u> Mins.	
C First Final Flow Pressure <u>492</u>	P.S.I.	<u>60</u> Mins.	
D Initial Closed-in Pressure <u>1038</u>	P.S.I.	<u>30</u> Mins.	
E Second Initial Flow Pressure <u>580</u>	P.S.I.	<u>60</u> Mins.	
F Second Final Flow Pressure <u>722</u>	P.S.I.		
G Final Closed-in Pressure <u>1038</u>	P.S.I.		
H Final Hydrostatic Mud <u>1845</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.
B P 1 0	<u>163</u>	C 0	<u>492</u>	E 0	<u>580</u>	F 0	<u>722</u>
P 2 5	<u>203</u>	3	<u>826</u>	5	<u>582</u>	3	<u>930</u>
P 3 10	<u>274</u>	6	<u>922</u>	10	<u>602</u>	6	<u>964</u>
P 4 15	<u>335</u>	9	<u>952</u>	15	<u>638</u>	9	<u>980</u>
P 5 20	<u>396</u>	12	<u>966</u>	20	<u>672</u>	12	<u>992</u>
P 6 25	<u>443</u>	15	<u>982</u>	25	<u>700</u>	15	<u>1000</u>
C P 7 30	<u>492</u>	18	<u>990</u>	F 30	<u>722</u>	18	<u>1006</u>
P 8 35		21	<u>998</u>	35		21	<u>1012</u>
P 9 40		24	<u>1004</u>	40		24	<u>1018</u>
P10 45		27	<u>1010</u>	45		27	<u>1022</u>
P11 50		30	<u>1014</u>	50		30	<u>1024</u>
P12 55		33	<u>1020</u>	55		33	<u>1028</u>
P13 60		36	<u>1024</u>	60		36	<u>1030</u>
P14 65		39	<u>1028</u>	65		39	<u>1032</u>
P15 70		42	<u>1030</u>	70		42	<u>1032</u>
P16 75		45	<u>1032</u>	75		45	<u>1033</u>
P17 80		48	<u>1034</u>	80		48	<u>1034</u>
P18 85		51	<u>1035</u>	85		51	<u>1035</u>
P19 90		54	<u>1036</u>	90		54	<u>1036</u>
P20 95		57	<u>1038</u>	95		57	<u>1037</u>
100		D 60	<u>1038</u>	100		G 60	<u>1038</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY MCCOY PETROLEUM CORP.

LEASE & WELL NO.

FEIERTAG "A" #3-15 SEC.

15 TWP. 19S

RGE. 33W TEST NO. 2

DATE

11-11-93

DST REPORT

GENERAL INFORMATION

DATE	: 11-11-93	TICKET	: 19943
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST: 2	GEOLOGIST: JOHN HASTINGS
ELEVATION	: 2976 K.B.	FORMATION	: TORONTO
SECTION	: 15	TOWNSHIP	: 19S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 13266	RANGE	: 4000
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	3832.00 ft	TO:	3849.00 ft	TVD:	3849.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3841.0 ft		3844.0 ft		
TEMPERATURE:	118.0				
DRILL COLLAR LENGTH:	277.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH:	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH:	3527.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH:	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH:	17.0 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:	3827.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3832.0 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. :	SWEETMAN DRLG.	VISCOSITY :	42.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	11.200 cc
WEIGHT :	8.900 ppg		
CHLORIDES :	2000 ppm	SERIAL NUMBER:	415
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

FAIR BLOW OFF BOTTOM OF BUCKET IN 2 MINUTES ON
INITIAL FLOW PERIOD. FAIR BLOW OFF BOTTOM OF
BUCKET IN 3 MINUTES ON FINAL FLOW PERIOD. READ

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

OUTSIDE RECORDER #13266.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	100.0	0.0	0.0	0.0	OIL
550.0	27.0	11.0	53.0	9.0	HVY OIL & GAS C/SALT WTR.
1010.0	0.0	0.0	100.0	0.0	SALT WATER
0.0	0.0	0.0	0.0	0.0	GRAVITY 10 AT 60 DEG. F.
0.0	0.0	0.0	0.0	0.0	CHLORIDES 380000 PPP

RATE INFORMATION

OIL VOLUME:	2.5037	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	4.7649	SCF	AVERAGE OIL RATE:	65.7128	STB/D
MUD VOLUME:	0.6943	STB	AVERAGE WATER RATE:	388.6109	STB/D
WATER VOLUME:	15.7321	STB			
TOTAL FLUID :	18.9302	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2005.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	144.00	551.00
INITIAL SHUT-IN	60.00		1092.00
FINAL FLOW	30.00	603.00	775.00
FINAL SHUT-IN	60.00		1096.00

FINAL HYDROSTATIC PRESSURE: 2003.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1849.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	163.00	492.00
INITIAL SHUT-IN	60.00		1038.00
FINAL FLOW	30.00	580.00	722.00
FINAL SHUT-IN	60.00		1038.00

FINAL HYDROSTATIC PRESSURE: 1845.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11-11-93	TICKET : 19943
CUSTOMER : MCCOY PETROLEUM CORP.	LEASE : FEIERTAG A
WELL : #3-15 TEST: 2	GEOLOGIST: JOHN HASTINGS
ELEVATION: 2976 K.B.	FORMATION: TORONTO
SECTION : 15	TOWNSHIP : 19S
RANGE : 33W COUNTY: SCOTT	STATE : KS
GAUGE SN#: 13266 RANGE : 4000	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	163.00	163.00
5.00	203.00	40.00
10.00	274.00	71.00
15.00	335.00	61.00
20.00	396.00	61.00
25.00	443.00	47.00
30.00	492.00	49.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	826.00	826.00	0.00
6.00	922.00	96.00	0.00
9.00	952.00	30.00	0.00
12.00	966.00	14.00	0.00
15.00	982.00	16.00	0.00
18.00	990.00	8.00	0.00
21.00	998.00	8.00	0.00
24.00	1004.00	6.00	0.00
27.00	1010.00	6.00	0.00
30.00	1014.00	4.00	0.00
33.00	1020.00	6.00	0.00
36.00	1024.00	4.00	0.00
39.00	1028.00	4.00	0.00
42.00	1030.00	2.00	0.00
45.00	1032.00	2.00	0.00
48.00	1034.00	2.00	0.00
51.00	1035.00	1.00	0.00
54.00	1036.00	1.00	0.00
57.00	1037.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1038.00	1.00	0.00

FINAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	580.00	580.00
5.00	582.00	2.00
10.00	602.00	20.00
15.00	638.00	36.00
20.00	672.00	34.00
25.00	700.00	28.00
30.00	722.00	22.00

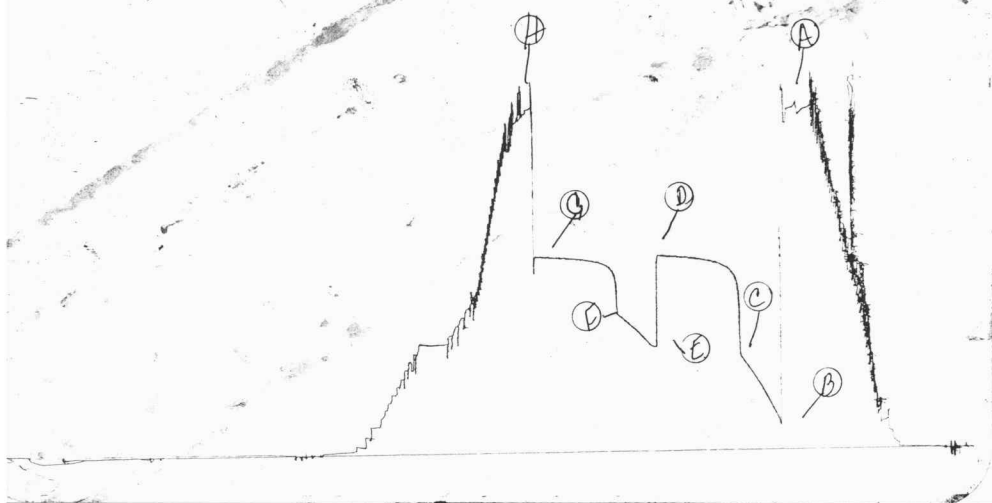
FINAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	930.00	930.00	0.00
6.00	964.00	34.00	0.00
9.00	980.00	16.00	0.00
12.00	992.00	12.00	0.00
15.00	1000.00	8.00	0.00
18.00	1006.00	6.00	0.00
21.00	1012.00	6.00	0.00
24.00	1018.00	6.00	0.00
27.00	1022.00	4.00	0.00
30.00	1024.00	2.00	0.00
33.00	1028.00	4.00	0.00
36.00	1030.00	2.00	0.00
39.00	1031.00	1.00	0.00
42.00	1032.00	1.00	0.00
45.00	1033.00	1.00	0.00
48.00	1034.00	1.00	0.00
51.00	1035.00	1.00	0.00
54.00	1036.00	1.00	0.00
57.00	1037.00	1.00	0.00
60.00	1038.00	1.00	0.00

DST #2
10242
★

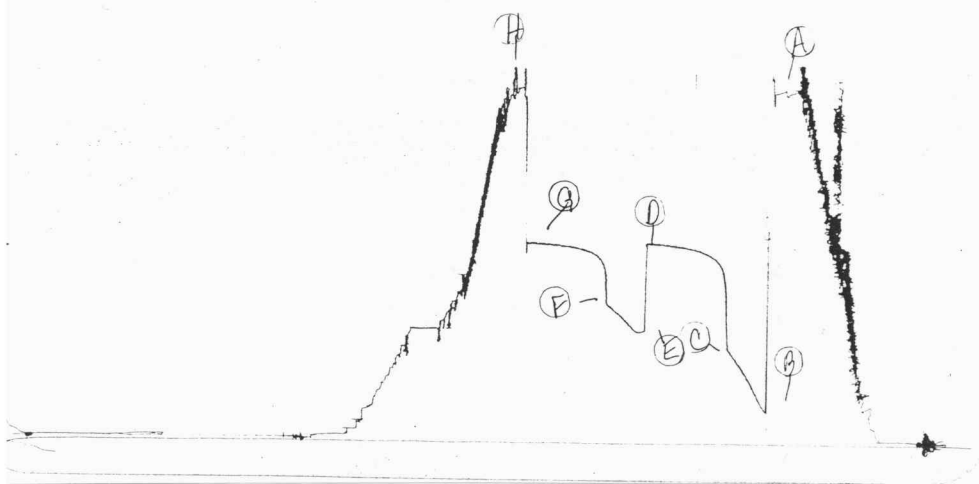
TKT # 19943

F



read ★
DST #2
13266

TKT # 19943
O.





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 19944

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

Elevation 2976 KB Formation LANSING "A" Eff. Pay _____ Ft.

District Auguston Date 11-12-93 Customer Order No. _____

COMPANY NAME McCoy Pet. Corp

ADDRESS 110 S. Main Suite 500 Wichita KS 67202

LEASE AND WELL NO. Feiertag "A" 3-15 COUNTY Scott STATE KS Sec. 15 Twp 19S Rge. 33W

Mail Invoice To SAME Address SAME No. Copies Requested Req

Co. Name _____ Address _____ No. Copies Requested Req

Mail Charts To _____ Address _____

Formation Test No. 3 Interval Tested From 3879 ft. to 3892 ft. Total Depth 3892 ft.

Packer Depth 3874 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 3879 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3883 ft. Recorder Number 10242 Cap. 4100

Bottom Recorder Depth (Outside) 3886 ft. Recorder Number 13266 Cap. 4000

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

Drilling Contractor Sweetman Drill Collar Length 277 I. D. 2 1/4 in.

Mud Type Chern Viscosity 46 Weight Pipe Length _____ I. D. _____ in.

Weight 8.8+ Water Loss 10 cc. Drill Pipe Length 3574 I. D. 5.8 in.

Chlorides 2000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.

Jars: Make WTC Serial Number 415 Anchor Length 13 ft. Size 5 1/2 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 7 1/8 in. Bottom Choke Size 7/4 in.

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

Blow: WEAR - slowly built to 1" decreased to 3/4" in bucket IF.
NO Blow

Recovered 40 ft. of mud w/ spots of oil

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: 70 ft Rec 40'

Time On Location 3:00 A.M. Time Pick Up Tool 5:00 A.M. Time Off Location _____ A.M.

Time Set Packer(s) 7:40 A.M. Time Started Off Bottom 10:40 A.M. Maximum Temperature 118°

Initial Hydrostatic Pressure _____ (A) 2003 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 46 P.S.I. to (C) 51 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 1081 P.S.I.

Final Flow Period _____ Minutes 30 (E) 51 P.S.I. to (F) 51 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 1016 P.S.I.

Final Hydrostatic Pressure _____ (H) 1988 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 John P. Hart
Signature of Customer or his authorized representative

Western Representative John P. Hart

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 11-12-93

Test Ticket No. 19944

Recorder No. 10242 Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

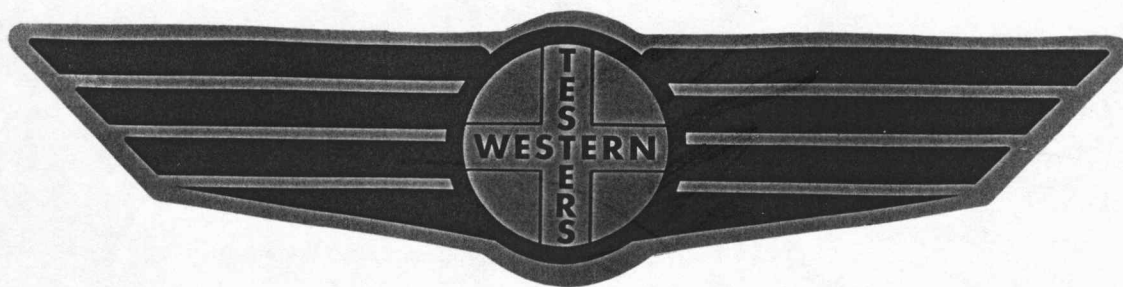
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1995</u> P.S.I.		
B First Initial Flow Pressure	<u>48</u> P.S.I.	<u>30</u> Mins	<u>35</u> Mins
C First Final Flow Pressure	<u>58</u> P.S.I.	<u>60</u> Mins	<u>57</u> Mins
D Initial Closed-in Pressure	<u>1090</u> P.S.I.	<u>30</u> Mins	<u>30</u> Mins
E Second Initial Flow Pressure	<u>55</u> P.S.I.	<u>60</u> Mins	<u>66</u> Mins
F Second Final Flow Pressure	<u>49</u> P.S.I.		
G Final Closed-in Pressure	<u>1024</u> P.S.I.		
H Final Hydrostatic Mud	<u>1914</u> P.S.I.		

Slight Plugging

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.
B P 1 0	<u>48</u>	C 0	<u>58</u>	E 0	<u>55</u>	F 0	<u>49</u>
P 2 5	<u>1</u>	3	<u>313</u>	5	<u>75</u>	3	<u>51</u>
P 3 10	<u>48</u>	6	<u>559</u>	10	<u>52</u>	6	<u>64</u>
P 4 15	<u>55</u>	9	<u>665</u>	15	<u>54</u>	9	<u>96</u>
P 5 20	<u>71</u>	12	<u>866</u>	20	<u>49</u>	12	<u>129</u>
P 6 25	<u>58</u>	15	<u>916</u>	25	<u>1</u>	15	<u>239</u>
P 7 30	<u>87</u>	18	<u>956</u>	F 30	<u>49</u>	18	<u>362</u>
C P 8 35	<u>58</u>	21	<u>979</u>	35		21	<u>547</u>
P 9 40		24	<u>999</u>	40		24	<u>661</u>
P10 45		27	<u>1015</u>	45		27	<u>758</u>
P11 50		30	<u>1028</u>	50		30	<u>830</u>
P12 55		33	<u>1039</u>	55		33	<u>871</u>
P13 60		36	<u>1052</u>	60		36	<u>897</u>
P14 65		39	<u>1059</u>	65		39	<u>925</u>
P15 70		42	<u>1067</u>	70		42	<u>947</u>
P16 75		45	<u>1070</u>	75		45	<u>963</u>
P17 80		48	<u>1077</u>	80		48	<u>975</u>
P18 85		51	<u>1081</u>	85		51	<u>988</u>
P19 90		54	<u>1086</u>	90		54	<u>996</u>
P20 95		D 57	<u>1090</u>	95		57	<u>1006</u>
100		D 60		100		G 60	<u>1014</u>
						<u>63</u>	<u>1018</u>
						<u>66</u>	<u>1024</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 11-12-93	TICKET	: 19944
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST: 3	GEOLOGIST: JOHN HASTINGS
ELEVATION	: 2976 K.B.	FORMATION	: LANSING A
SECTION	: 15	TOWNSHIP	: 19S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 10242	CLOCK	: 12
COUNTY	: SCOTT		
RANGE	: 4100		

WELL INFORMATION

PERFORATION INTERVAL FROM:	3879.00 ft	TO:	3892.00 ft	TVD:	3892.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3883.0 ft		3886.0 ft		
TEMPERATURE:	1118.0				
DRILL COLLAR LENGTH:	277.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3574.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	13.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	3874.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3879.0 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. :	SWEETMAN DRLG.	VISCOSITY :	46.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.000 cc
WEIGHT :	8.800 ppg		
CHLORIDES :	2000 ppm	SERIAL NUMBER:	415
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

WEAK BLOW SLOWLY BUILDING TO 1" DECREASED TO 3/4"
IN BUCKET ON INITIAL FLOW PERIOD. NO BLOW ON
FINAL FLOW PERIOD. SLIGHT PLUGGING ON INITIAL AND

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

FINAL FLOW PERIODS.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
40.0	0.0	0.0	0.0	100.0	MUD W/SPOTS OF OIL

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	65.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.1967	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1967	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2003.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	46.00	51.00
INITIAL SHUT-IN	60.00		1081.00
FINAL FLOW	30.00	51.00	51.00
FINAL SHUT-IN	60.00		1016.00

FINAL HYDROSTATIC PRESSURE: 1988.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1995.00

Description	Duration	p1	p End
INITIAL FLOW	35.00	48.00	58.00
INITIAL SHUT-IN	57.00		1090.00
FINAL FLOW	30.00	55.00	49.00
FINAL SHUT-IN	66.00		1024.00

FINAL HYDROSTATIC PRESSURE: 1914.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11-12-93	TICKET : 19944
CUSTOMER : MCCOY PETROLEUM CORP.	LEASE : FEIERTAG A
WELL : #3-15 TEST: 5	GEOLOGIST: JOHN HASTINGS
ELEVATION: 2976 K.B.	FORMATION: LANSING A
SECTION : 15	TOWNSHIP : 19S
RANGE : 33W COUNTY: SCOTT	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	48.00	48.00
5.00	48.00	0.00
10.00	48.00	0.00
15.00	55.00	7.00
20.00	71.00	16.00
25.00	58.00	-13.00
30.00	87.00	29.00
35.00	58.00	-29.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	313.00	313.00	0.00
6.00	559.00	246.00	0.00
9.00	665.00	106.00	0.00
12.00	866.00	201.00	0.00
15.00	916.00	50.00	0.00
18.00	956.00	40.00	0.00
21.00	979.00	23.00	0.00
24.00	999.00	20.00	0.00
27.00	1015.00	16.00	0.00
30.00	1028.00	13.00	0.00
33.00	1039.00	11.00	0.00
36.00	1052.00	13.00	0.00
39.00	1059.00	7.00	0.00
42.00	1067.00	8.00	0.00
45.00	1070.00	3.00	0.00
48.00	1077.00	7.00	0.00
51.00	1081.00	4.00	0.00
54.00	1086.00	5.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
57.00	1090.00	4.00	0.00

FINAL FLOW

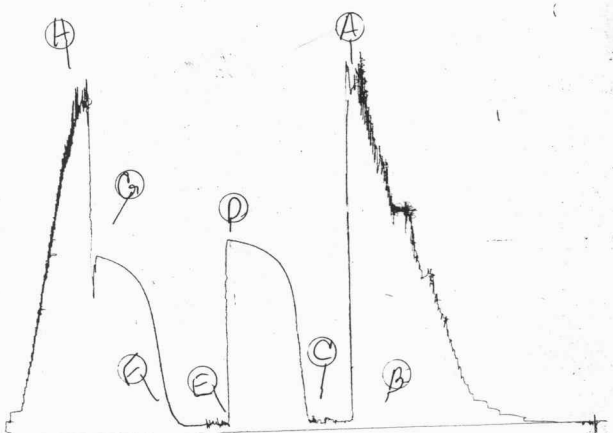
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	55.00	55.00
5.00	75.00	20.00
10.00	52.00	-23.00
15.00	54.00	2.00
20.00	49.00	-5.00
25.00	49.00	0.00
30.00	49.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	51.00	51.00	0.00
6.00	64.00	13.00	0.00
9.00	96.00	32.00	0.00
12.00	129.00	33.00	0.00
15.00	239.00	110.00	0.00
18.00	362.00	123.00	0.00
21.00	547.00	185.00	0.00
24.00	661.00	114.00	0.00
27.00	758.00	97.00	0.00
30.00	830.00	72.00	0.00
33.00	871.00	41.00	0.00
36.00	897.00	26.00	0.00
39.00	925.00	28.00	0.00
42.00	947.00	22.00	0.00
45.00	963.00	16.00	0.00
48.00	975.00	12.00	0.00
51.00	988.00	13.00	0.00
54.00	996.00	8.00	0.00
57.00	1006.00	10.00	0.00
60.00	1014.00	8.00	0.00
63.00	1018.00	4.00	0.00
66.00	1024.00	6.00	0.00

TL# 19944
I.

DST#3
10242
X



DST#3
13266

TL# 19944
O.





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N^o 19945P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201Elevation 2976 KB Formation LANING B Eff. Pay _____ Ft.

District Hugoton Date 11-12-93 Customer Order No. _____
COMPANY NAME McCoy Pet. Corp
ADDRESS 110 S. Main Suite 500 Wichita KS 67202
LEASE AND WELL NO. Feiertag A 3-15 COUNTY Scott STATE KS Sec. 15 Twp. 19S Rge. 33W
Mail Invoice To NAME Co. Name NAME Address NAME No. Copies Requested Reg
Mail Charts To _____ Address _____ No. Copies Requested Reg

Formation Test No. 4 Interval Tested From 3908 ft. to 3928 ft. Total Depth 3928 ft.
Packer Depth 3903 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3908 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3920 ft. Recorder Number 10242 Cap. 4100
Bottom Recorder Depth (Outside) 3923 ft. Recorder Number 13266 Cap. 4000
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Sweetman Drill Collar Length 277 I. D. 2 1/4 in.
Mud Type Chem Viscosity 44 Weight Pipe Length _____ I. D. _____ in.
Weight 8.9 Water Loss 10.4 cc. Drill Pipe Length 3603 I. D. 3 8 in.
Chlorides 7000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number 415 Anchor Length 20 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 1/4 in.

Blow: FAIR B.O.B 5 min IF
FAIR B.O.B 4 min FF

Recovered 580 ft. of GFP
Recovered 435 ft. of Gassy oil 20% gas 80% o.i
Recovered 155 ft. of Hvy oil cut mud 15% o.i 10% gas 75% mud
Recovered 180 ft. of slt oil cut muddy salt w TR- 3% oil 37% mud 60% wTR
Recovered _____ ft. of _____
Chlorides 36,000 P.P.M. Sample Jars used _____ Remarks: Tot Fl Rec. 770'

26 Gravity At 50°F

Time On Location 8:00 A.M. Time Pick Up Tool 8:30 A.M. Time Off Location _____ A.M.
Time Set Packer(s) 10:12 A.M. Time Started Off Bottom 2:12 A.M. Maximum Temperature 120°F
Initial Hydrostatic Pressure _____ (A) 2005 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 79 P.S.I. to (C) 200 P.S.I.
Initial Closed In Period _____ Minutes 60 (D) 1062 P.S.I.
Final Flow Period _____ Minutes 60 (E) 238 P.S.I. to (F) 362 P.S.I.
Final Closed In Period _____ Minutes 90 (G) 1065 P.S.I.
Final Hydrostatic Pressure _____ (H) 2003 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 John P. Harty
Signature of Customer or his authorized representativeWestern Representative Wichita

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 11-12-93

Test Ticket No. 19945

Recorder No. 10242

Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2013</u> P.S.I.			
B First Initial Flow Pressure	<u>206</u> 78 P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Min
C First Final Flow Pressure	<u>206</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins	<u>60</u> Min
D Initial Closed-in Pressure	<u>1078</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins	<u>60</u> Min
E Second Initial Flow Pressure	<u>252</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins	<u>99</u> Min
F Second Final Flow Pressure	<u>370</u> P.S.I.			
G Final Closed-in Pressure	<u>1079</u> P.S.I.			
H Final Hydrostatic Mud	<u>1946</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.
B P 1 0	<u>78</u>	C 0	<u>206</u>	E 0	<u>1</u>	F 0	<u>370</u>
P 2 5	<u>105</u>	3	<u>360</u>	5	<u>252</u>	3	<u>650</u>
P 3 10	<u>141</u>	6	<u>679</u>	10	<u>259</u>	6	<u>826</u>
P 4 15	<u>159</u>	9	<u>845</u>	15	<u>273</u>	9	<u>882</u>
P 5 20	<u>175</u>	12	<u>901</u>	20	<u>285</u>	12	<u>911</u>
P 6 25	<u>188</u>	15	<u>938</u>	25	<u>297</u>	15	<u>938</u>
C P 7 30	<u>206</u>	18	<u>962</u>	30	<u>309</u>	18	<u>960</u>
P 8 35		21	<u>982</u>	35	<u>322</u>	21	<u>971</u>
P 9 40		24	<u>997</u>	40	<u>334</u>	24	<u>981</u>
P10 45		27	<u>1010</u>	45	<u>346</u>	27	<u>994</u>
P11 50		30	<u>1019</u>	50	<u>356</u>	30	<u>1001</u>
P12 55		33	<u>1032</u>	55	<u>367</u>	33	<u>1012</u>
P13 60		36	<u>1039</u>	F 60	<u>370</u>	36	<u>1015</u>
P14 65		39	<u>1045</u>	65		39	<u>1022</u>
P15 70		42	<u>1050</u>	70		42	<u>1029</u>
P16 75		45	<u>1057</u>	75		45	<u>1032</u>
P17 80		48	<u>1061</u>	80		48	<u>1037</u>
P18 85		51	<u>1065</u>	85		51	<u>1041</u>
P19 90		54	<u>1067</u>	90		54	<u>1044</u>
P20 95		57	<u>1071</u>	95		57	<u>1048</u>
100		D 60	<u>1073</u>	100		60	<u>1052</u>
		63	<u>1075</u>				
		66	<u>1078</u>				

Continued

WESTERN TESTING CO., INC.

Pressure Data

Date 11-12-93

Test Ticket No. 19945

Recorder No. 10242 Capacity _____ Location _____ Ft.

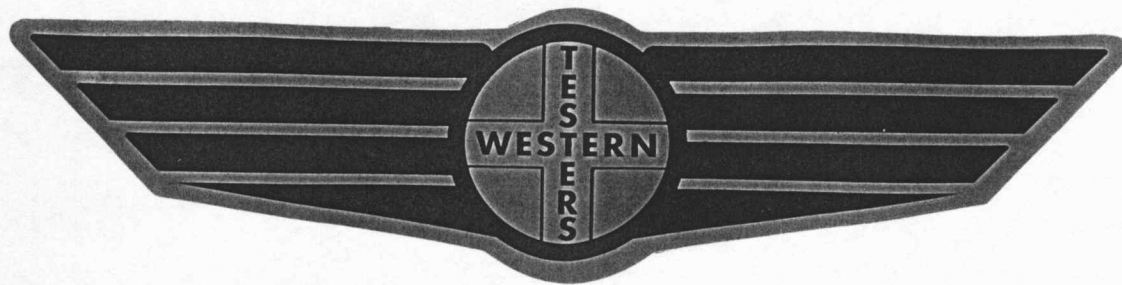
Clock No. _____ Elevation _____ Well Temperature _____ °F

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		G 63	1056
P 2 110		66		110		66	1058
P 3 115		69		115		69	1060
P 4 120		72		120		72	1062
P 5 125		75		125		75	1064
P 6 130		78		130		78	610
P 7 135		81		135		81	68
P 8 140		84		140		84	70
P 9 145		87		145		87	72
P10 150		90		150		90	1074
P11 155		93		155		93	75
P12 160		96		160		96	78
P13 165		99		165		G 99	1079
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY MCCOY PETROLEUM CORP.

LEASE & WELL NO.

FEEDTAG "A" #3-15 SEC.

15

TWP.

19S

RGE.

33W

TEST NO.

4

DATE

11-16-77

DST REPORT

GENERAL INFORMATION

DATE	: 11-12-93	TICKET	: 19945
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST: 4	GEOLOGIST: JOHN HASTINGS
ELEVATION	: 2976 K.B.	FORMATION	: LANSING B
SECTION	: 15	TOWNSHIP	: 19S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 10242	RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	3908.00 ft	TO:	3928.00 ft	TVD:	3928.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3920.0 ft		3923.0 ft		
TEMPERATURE:	120.0				
DRILL COLLAR LENGTH:	277.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3603.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	20.0 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:	3903.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3908.0 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. :	SWEETMAN DRLG.	VISCOSITY :	44.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.400 cc
WEIGHT :	8.900 ppg	SERIAL NUMBER:	415
CHLORIDES :	7000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

FAIR BLOW OFF BOTTOM OF BUCKET IN 5 MINUTES ON
INITIAL FLOW PERIOD. FAIR BLOW OFF BOTTOM OF
BUCKET IN 4 MINUTES ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
435.0	80.0	20.0	0.0	0.0	GASSY OIL
155.0	15.0	10.0	0.0	75.0	HEAVY OIL CUT MUD
180.0	3.0	0.0	60.0	37.0	SLI. OIL C/MUDDY SALT WTR
0.0	0.0	0.0	0.0	0.0	580 GAS ABOVE FLUID
0.0	0.0	0.0	0.0	0.0	26 GRAVITY AT 60 DEG. F.
0.0	0.0	0.0	0.0	0.0	CHLORIDES 36000 PPM

RATE INFORMATION

OIL VOLUME:	5.1013 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	7.5766 SCF	AVERAGE OIL RATE:	97.3567 STB/D
MUD VOLUME:	1.2954 STB	AVERAGE WATER RATE:	13.4879 STB/D
WATER VOLUME:	0.5311 STB		
TOTAL FLUID :	6.9278 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2005.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	79.00	200.00
INITIAL SHUT-IN	60.00		1062.00
FINAL FLOW	60.00	238.00	362.00
FINAL SHUT-IN	90.00		1065.00

FINAL HYDROSTATIC PRESSURE: 2003.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2013.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	78.00	206.00
INITIAL SHUT-IN	66.00		1078.00
FINAL FLOW	60.00	252.00	370.00
FINAL SHUT-IN	99.00		1079.00

FINAL HYDROSTATIC PRESSURE: 1946.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11-12-93	TICKET : 19945
CUSTOMER : MCCOY PETROLEUM CORP.	LEASE : FEIERTAG A
WELL : #3-15 TEST: 4	GEOLOGIST: JOHN HASTINGS
ELEVATION: 2976 K.B.	FORMATION: LANSING B
SECTION : 15	TOWNSHIP : 19S
RANGE : 33W COUNTY: SCOTT	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	78.00	78.00
5.00	105.00	27.00
10.00	141.00	36.00
15.00	159.00	18.00
20.00	175.00	16.00
25.00	188.00	13.00
30.00	206.00	18.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	360.00	360.00	0.00
6.00	679.00	319.00	0.00
9.00	845.00	166.00	0.00
12.00	901.00	56.00	0.00
15.00	938.00	37.00	0.00
18.00	962.00	24.00	0.00
21.00	982.00	20.00	0.00
24.00	997.00	15.00	0.00
27.00	1010.00	13.00	0.00
30.00	1019.00	9.00	0.00
33.00	1032.00	13.00	0.00
36.00	1039.00	7.00	0.00
39.00	1045.00	6.00	0.00
42.00	1050.00	5.00	0.00
45.00	1057.00	7.00	0.00
48.00	1061.00	4.00	0.00
51.00	1065.00	4.00	0.00
54.00	1067.00	2.00	0.00
57.00	1071.00	4.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	1073.00	2.00	0.00
63.00	1075.00	2.00	0.00
66.00	1078.00	3.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	252.00	252.00
5.00	256.00	4.00
10.00	259.00	3.00
15.00	273.00	14.00
20.00	285.00	12.00
25.00	297.00	12.00
30.00	309.00	12.00
35.00	322.00	13.00
40.00	334.00	12.00
45.00	346.00	12.00
50.00	356.00	10.00
55.00	367.00	11.00
60.00	370.00	3.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	650.00	650.00	0.00
6.00	826.00	176.00	0.00
9.00	882.00	56.00	0.00
12.00	911.00	29.00	0.00
15.00	938.00	27.00	0.00
18.00	960.00	22.00	0.00
21.00	971.00	11.00	0.00
24.00	981.00	10.00	0.00
27.00	994.00	13.00	0.00
30.00	1001.00	7.00	0.00
33.00	1012.00	11.00	0.00
36.00	1015.00	3.00	0.00
39.00	1022.00	7.00	0.00
42.00	1029.00	7.00	0.00

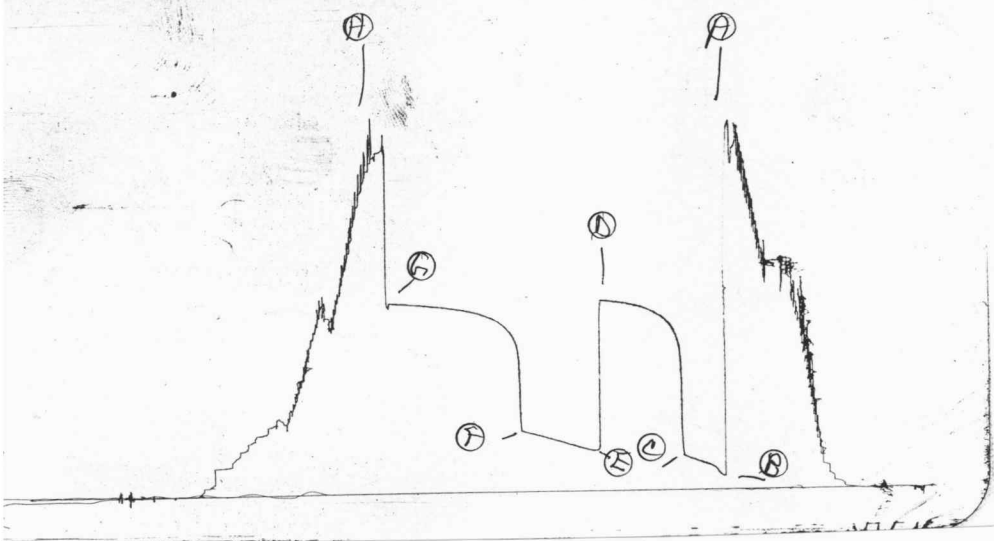
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
45.00	1032.00	3.00	0.00
48.00	1037.00	5.00	0.00
51.00	1041.00	4.00	0.00
54.00	1044.00	3.00	0.00
57.00	1048.00	4.00	0.00
60.00	1052.00	4.00	0.00
63.00	1056.00	4.00	0.00
66.00	1058.00	2.00	0.00
69.00	1060.00	2.00	0.00
72.00	1062.00	2.00	0.00
75.00	1064.00	2.00	0.00
78.00	1066.00	2.00	0.00
81.00	1068.00	2.00	0.00
84.00	1070.00	2.00	0.00
87.00	1072.00	2.00	0.00
90.00	1074.00	2.00	0.00
93.00	1076.00	2.00	0.00
96.00	1078.00	2.00	0.00
99.00	1079.00	1.00	0.00

KT 19945
1

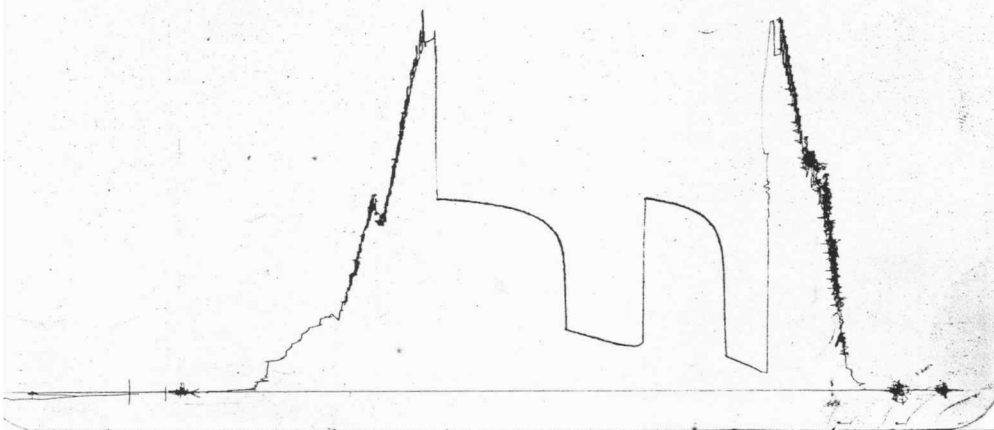
DST #4
10242
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KT 19945

DST #4
13266

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 19946

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

Elevation 2976 K13 Formation Lansing C Eff. Pay Ft.

District Auguston Date 11-13-93 Customer Order No.
COMPANY NAME McCoy Pet Corp.
ADDRESS 110 S. Main Suite 500 Wichita KS 67202
LEASE AND WELL NO. Feiertag A3-15 COUNTY Scott STATE KS Sec. 15 Twp. 19S Rge. 33W
Mail Invoice To SAME Co. Name Address No. Copies Requested Ref
Mail Charts To Address No. Copies Requested Ref

Formation Test No. 5 Interval Tested From 3938 ft. to 3951 ft. Total Depth 3951 ft.
Packer Depth 3933 ft. Size 6 5/8 in. Packer Depth ft. Size in.
Packer Depth 3938 ft. Size 6 5/8 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 3946 ft. Recorder Number 10242 Cap. 4100
Bottom Recorder Depth (Outside) 3949 ft. Recorder Number 13266 Cap. 4000
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Sweetman Drill Collar Length 215 I. D. 2 1/4 in.
Mud Type Chem. Viscosity 46 Weight Pipe Length I. D. in.
Weight 9.1 Water Loss 10.6 cc. Drill Pipe Length 3695 I. D. 3.8 in.
Chlorides 9000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number 415 Anchor Length 13 ft. Size 5 1/2 in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 X H in.

Blow: over - slowly built to 4" in bucket IF.
FHR - slowly built to B.O.B in 80 min F.F.
Recovered 83 ft. of GIP
Recovered 100 ft. of Gassy oil 5% gas 95% oil
Recovered 90 ft. of Gassy mud cut oil 30% gas 30% mud 40% oil
Recovered ft. of
Recovered ft. of
Chlorides P.P.M. Sample Jars used Remarks: Tot Fl Rec 190'
28 Gravity At 50°

Time On Location 1:00 A.M. Time Pick Up Tool 2:00 A.M. Time Off Location A.M.
P.M. P.M. P.M.
Time Set Packer(s) 3:45 A.M. Time Started Off Bottom 8:15 A.M. Maximum Temperature 121°
P.M. P.M.
Initial Hydrostatic Pressure (A) 2080 P.S.I.
Initial Flow Period Minutes 30 (B) 44 P.S.I. to (C) 46 P.S.I.
Initial Closed In Period Minutes 60 (D) 1103 P.S.I.
Final Flow Period Minutes 90 (E) 60 P.S.I. to (F) 98 P.S.I.
Final Closed In Period Minutes 90 (G) 1092 P.S.I.
Final Hydrostatic Pressure (H) 2073 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 Chris Warty
Signature of Customer or his authorized representative

Western Representative Victor G. L.

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. 19946Recorder No. 10242 Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2049</u>	P.S.I.		
B First Initial Flow Pressure	<u>61 47</u>	P.S.I.	<u>30</u> Mins	<u>30</u> Mins
C First Final Flow Pressure	<u>61</u>	P.S.I.	<u>60</u> Mins	<u>63</u> Mins
D Initial Closed-in Pressure	<u>1121</u>	P.S.I.	<u>90</u> Mins	<u>90</u> Mins
E Second Initial Flow Pressure	<u>80</u>	P.S.I.	<u>90</u> Mins	<u>96</u> Mins
F Second Final Flow Pressure	<u>114</u>	P.S.I.		
G Final Closed-in Pressure	<u>1105</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1950</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: _____ Inc.

of 5 mins. and afinal inc. of 0 Min.

Initial Shut-In

Breakdown: _____ Inc.

of 3 mins. and afinal inc. of 0 Min.

Second Flow Pressure

Breakdown: _____ Inc.

of 5 mins. and afinal inc. of 0 Min.

Final Shut-In

Breakdown: _____ Inc.

of 3 mins. and afinal inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
B P 1 0	<u>47</u>	C 0	<u>61</u>	E 0	<u>80</u>	F 0	<u>114</u>
P 2 5	<u>1</u>	3	<u>68</u>	5	<u>1</u>	3	<u>154</u>
P 3 10	<u>47</u>	6	<u>108</u>	10	<u>1</u>	6	<u>202</u>
P 4 15	<u>51</u>	9	<u>220</u>	15	<u>80</u>	9	<u>332</u>
P 5 20	<u>55</u>	12	<u>429</u>	20	<u>82</u>	12	<u>549</u>
P 6 25	<u>58</u>	15	<u>729</u>	25	<u>84</u>	15	<u>787</u>
C P 7 30	<u>61</u>	18	<u>749</u>	30	<u>86</u>	18	<u>906</u>
P 8 35		21	<u>1012</u>	35	<u>89</u>	21	<u>979</u>
P 9 40		24	<u>1050</u>	40	<u>94</u>	24	<u>1006</u>
P10 45		27	<u>1067</u>	45	<u>96</u>	27	<u>1024</u>
P11 50		30	<u>1075</u>	50	<u>98</u>	30	<u>1037</u>
P12 55		33	<u>1089</u>	55	<u>100</u>	33	<u>1048</u>
P13 60		36	<u>1094</u>	60	<u>105</u>	36	<u>1055</u>
P14 65		39	<u>1099</u>	65	<u>106</u>	39	<u>1063</u>
P15 70		42	<u>1103</u>	70	<u>110</u>	42	<u>1067</u>
P16 75		45	<u>1108</u>	75	<u>111</u>	45	<u>1069</u>
P17 80		48	<u>1112</u>	80	<u>112</u>	48	<u>1073</u>
P18 85		51	<u>1116</u>	85	<u>113</u>	51	<u>1077</u>
P19 90		54	<u>1118</u>	F 90	<u>114</u>	54	<u>1080</u>
P20 95		57	<u>1119</u>	95		57	<u>1082</u>
100		D 60	<u>1120</u>	100		60	<u>1084</u>
		63	<u>1124</u>				

Cont.

WESTERN TESTING CO., INC.

Pressure Data

Date: _____

Test Ticket No. 19946

Recorder No. _____ Capacity _____ Location _____ Ft.

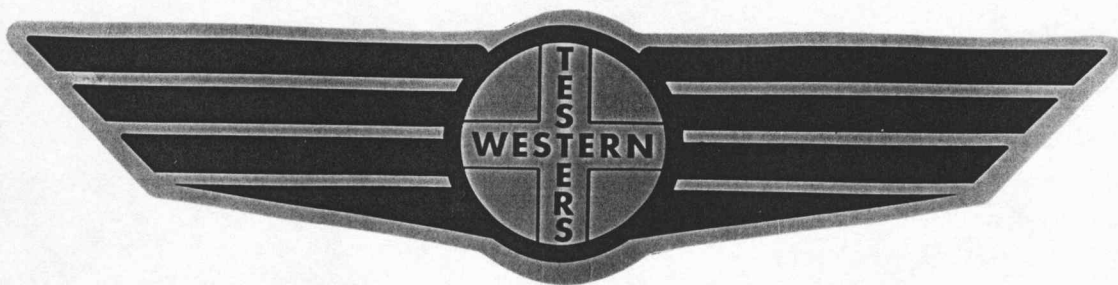
Clock No. _____ Elevation _____ Well Temperature _____ °F

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	1084
P 2 110		66		110		66	1088
P 3 115		69		115		69	1091
P 4 120		72		120		72	1093
P 5 125		75		125		75	1095
P 6 130		78		130		78	1097
P 7 135		81		135		81	1099
P 8 140		84		140		84	1101
P 9 145		87		145		87 1102	1103
P10 150		90		150		90	1103
P11 155		93		155		93	1104
P12 160		96		160		96	1105
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY McCOY PETROLEUM CORP. LEASE & WELL NO. FEIERTAG "A" #3-15 SEC. 15 TWP. 19S RGE. 33W TEST NO. 5 DATE 11-13-93

DST REPORT

GENERAL INFORMATION

DATE	: 11-13-93	TICKET	: 19946
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST: 5	GEOLOGIST: JOHN HASTINGS
ELEVATION	: 2976 K.B.	FORMATION	: LANSING C
SECTION	: 15	TOWNSHIP	: 19S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 10242	RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	3938.00 ft	TO:	3951.00 ft	TVD:	3951.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3946.0 ft		3949.0 ft		
TEMPERATURE:	121.0				
DRILL COLLAR LENGTH:	215.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3695.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	13.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	3933.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3938.0 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. :	SWEETMAN DRLG.	VISCOSITY :	46.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.600 cc
WEIGHT :	9.100 ppg	SERIAL NUMBER:	415
CHLORIDES :	9000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

WEAK BLOW SLOWLY BUILDING TO 4" IN BUCKET ON
INITIAL FLOW PERIOD. FAIR BLOW SLOWLY BUILDING
TO BOTTOM OF BUCKET IN 80 MINUTES ON FINAL FLOW

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

PERIOD.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
100.0	95.0	5.0	0.0	0.0	GASSY OIL
90.0	40.0	30.0	0.0	30.0	GASSY MUD CUT OIL
0.0	0.0	0.0	0.0	0.0	28 GRAVITY AT 50 DEG. F.

RATE INFORMATION

OIL VOLUME:	0.6442 STB	
GAS VOLUME:	0.8836 SCF	
MUD VOLUME:	0.1328 STB	
WATER VOLUME:	0.0000 STB	
TOTAL FLUID :	0.7770 STB	
		TOTAL FLOW TIME: 120.0000 min.
		AVERAGE OIL RATE: 9.3235 STB/D
		AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2080.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	44.00	46.00
INITIAL SHUT-IN	60.00		1103.00
FINAL FLOW	90.00	60.00	98.00
FINAL SHUT-IN	90.00		1092.00

FINAL HYDROSTATIC PRESSURE: 2073.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2049.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	47.00	61.00
INITIAL SHUT-IN	63.00		1121.00
FINAL FLOW	90.00	80.00	114.00
FINAL SHUT-IN	96.00		1105.00

FINAL HYDROSTATIC PRESSURE: 1950.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 11-13-93	TICKET	: 19946
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST: 5	GEOLOGIST: JOHN HASTINGS
ELEVATION	: 2976 K.B.	FORMATION	: LANSING C
SECTION	: 15	TOWNSHIP	: 19S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 10242	RANGE	: 4100
		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	47.00	47.00
5.00	47.00	0.00
10.00	47.00	0.00
15.00	51.00	4.00
20.00	55.00	4.00
25.00	58.00	3.00
30.00	61.00	3.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	68.00	68.00	0.00
6.00	108.00	40.00	0.00
9.00	220.00	112.00	0.00
12.00	429.00	209.00	0.00
15.00	729.00	300.00	0.00
18.00	749.00	20.00	0.00
21.00	1012.00	263.00	0.00
24.00	1050.00	38.00	0.00
27.00	1067.00	17.00	0.00
30.00	1075.00	8.00	0.00
33.00	1089.00	14.00	0.00
36.00	1094.00	5.00	0.00
39.00	1099.00	5.00	0.00
42.00	1103.00	4.00	0.00
45.00	1108.00	5.00	0.00
48.00	1112.00	4.00	0.00
51.00	1116.00	4.00	0.00
54.00	1118.00	2.00	0.00
57.00	1119.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1120.00	1.00	0.00
63.00	1121.00	1.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	80.00	80.00
5.00	80.00	0.00
10.00	80.00	0.00
15.00	80.00	0.00
20.00	82.00	2.00
25.00	84.00	2.00
30.00	86.00	2.00
35.00	89.00	3.00
40.00	94.00	5.00
45.00	96.00	2.00
50.00	98.00	2.00
55.00	100.00	2.00
60.00	105.00	5.00
65.00	106.00	1.00
70.00	110.00	4.00
75.00	111.00	1.00
80.00	112.00	1.00
85.00	113.00	1.00
90.00	114.00	1.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	154.00	154.00	0.00
6.00	202.00	48.00	0.00
9.00	332.00	130.00	0.00
12.00	549.00	217.00	0.00
15.00	787.00	238.00	0.00
18.00	906.00	119.00	0.00
21.00	979.00	73.00	0.00
24.00	1006.00	27.00	0.00
27.00	1024.00	18.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

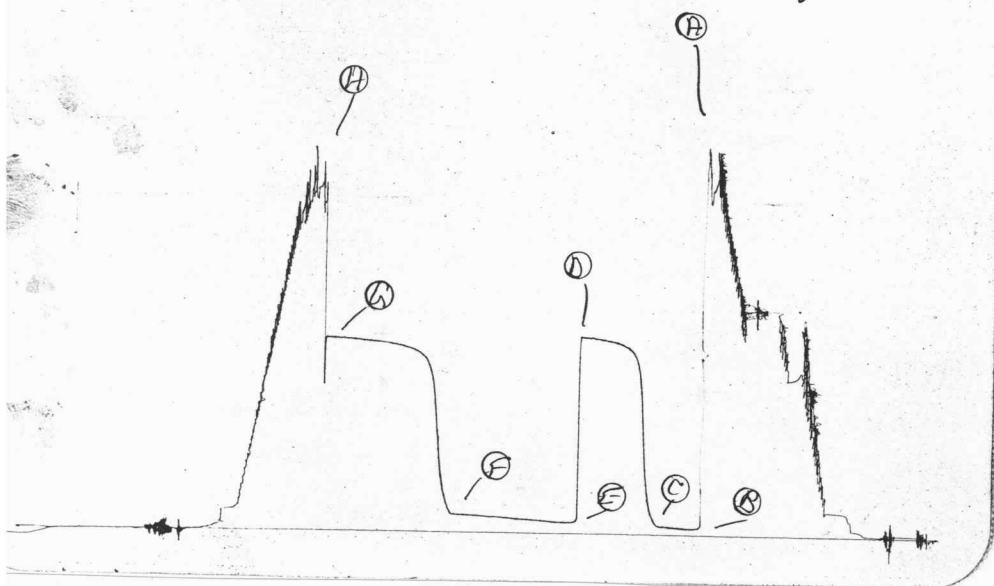
FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
30.00	1037.00	13.00	0.00
33.00	1048.00	11.00	0.00
36.00	1055.00	7.00	0.00
39.00	1063.00	8.00	0.00
42.00	1067.00	4.00	0.00
45.00	1069.00	2.00	0.00
48.00	1073.00	4.00	0.00
51.00	1077.00	4.00	0.00
54.00	1080.00	3.00	0.00
57.00	1082.00	2.00	0.00
60.00	1084.00	2.00	0.00
63.00	1086.00	2.00	0.00
66.00	1088.00	2.00	0.00
69.00	1091.00	3.00	0.00
72.00	1093.00	2.00	0.00
75.00	1095.00	2.00	0.00
78.00	1097.00	2.00	0.00
81.00	1099.00	2.00	0.00
84.00	1101.00	2.00	0.00
87.00	1102.00	1.00	0.00
90.00	1103.00	1.00	0.00
93.00	1104.00	1.00	0.00
96.00	1105.00	1.00	0.00

K4 19946

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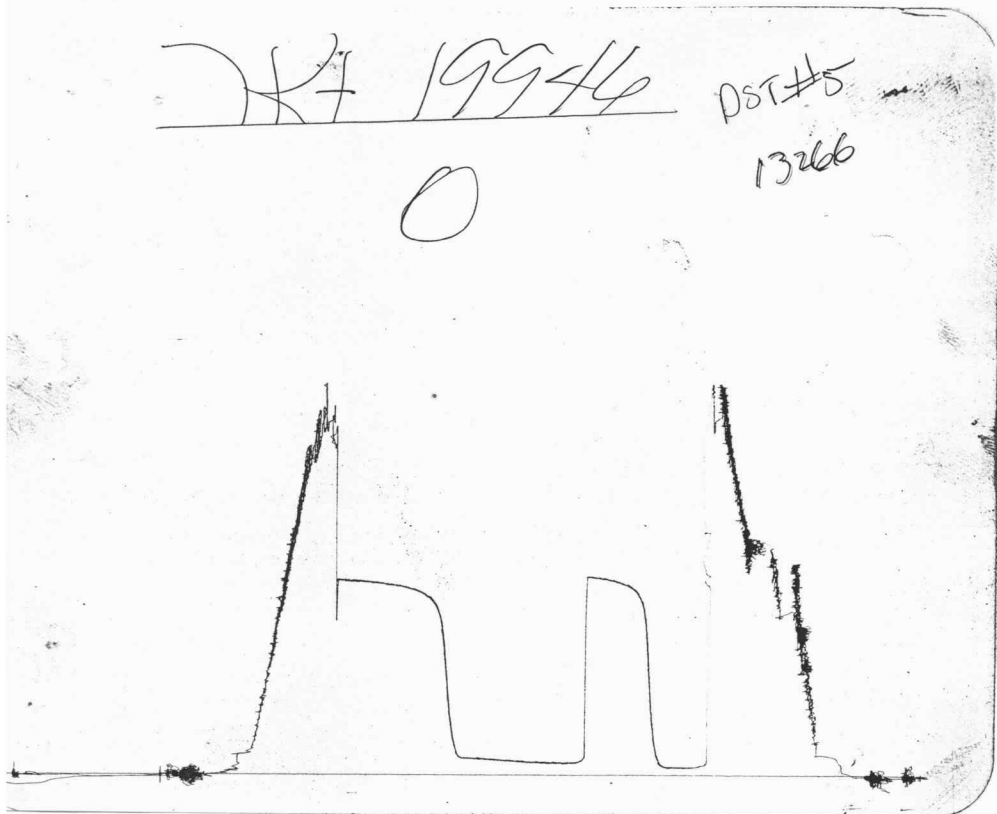
DST#5
10242
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K4 19946

O

DST#5
13266





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N^o 19947P. O. BOX 1599
WICHITA, KANSAS 67201

PHONE (316) 262-5861

Elevation 2976 KB Formation Lansing G Eff. Pay _____ Ft.District HugotonDate 11-14-98

Customer Order No. _____

COMPANY NAME McLoy Pet. Corp.ADDRESS 1105 MAIN Suite 500 Wichita KS 67202LEASE AND WELL NO Feiertag A3-15 COUNTY Scott STATE KS Sec. 15 Twp 19S Rge. 33WMail Invoice To SAME Co. Name " Address " No. Copies Requested RefMail Charts To " Address " No. Copies Requested RefFormation Test No. 6 Interval Tested From 4055 ft. to 4075 ft. Total Depth 4075 ft.Packer Depth 4050 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.Packer Depth 4055 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4069 ft.Recorder Number 10242 Cap. 4100Bottom Recorder Depth (Outside) 4072 ft.Recorder Number 13266 Cap. 4000

Below Straddle Recorder Depth _____ ft.

Recorder Number _____ Cap. _____

Drilling Contractor SweetmanDrill Collar Length 215 277 I. D. 2 1/4 in.Mud Type Chem Viscosity 48

Weight Pipe Length _____ I. D. _____ in.

Weight 90+ Water Loss 11.6 cc.Drill Pipe Length 3812 3750 I. D. 3.8 in.Chlorides 8000 P.P.M.Test Tool Length 28 ft. Tool Size 5 1/2 in.Jars: Make WTC Serial Number 415Anchor Length 20 ft. Size 5 1/2 in.Did Well Flow? NO Reversed Out NOSurface 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: FAIR-B.O.B 17 min I.F.FAIR-B.O.B 25 min F.F.Recovered 345 ft. of GIPRecovered 305 ft. of Gas oil 10% gas 90% oilRecovered 185 ft. of Acid cut oil 130% gas 20% oil 50% mudRecovered _____ ft. of Heavy gas & oil cut mud

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: Tot F.I. Rec 490'
27 gravity AT 450Time On Location 1:00 A.M. P.M. Time Pick Up Tool 2:30 A.M. P.M. Time Off Location _____ A.M. P.M.Time Set Packer(s) 4:05 A.M. P.M. Time Started Off Bottom 8:35 A.M. P.M. Maximum Temperature 122°FInitial Hydrostatic Pressure _____ (A) 2137 P.S.I.Initial Flow Period _____ Minutes 30 (B) 58 P.S.I. to (C) 128 P.S.I.Initial Closed In Period _____ Minutes 60 (D) 1103 P.S.I.Final Flow Period _____ Minutes 60 90 (E) 161 P.S.I. to (F) 245 P.S.I.Final Closed In Period _____ Minutes 90 (G) 1051 P.S.I.Final Hydrostatic Pressure _____ (H) 2137 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 John R. Davis
Signature of Customer or his authorized representativeWestern Representative John R. Davis

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. 19947

Recorder No. 10242

Capacity _____

Location _____

Fr _____

Clock No. _____ Elevation _____

Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2133</u>	P.S.I.	Open Tool	M
B First Initial Flow Pressure <u>73</u>	P.S.I.	First Flow Pressure <u>30</u> Mins.	<u>30</u> Min.
C First Final Flow Pressure <u>152</u>	P.S.I.	Initial Closed-in Pressure <u>60</u> Mins.	<u>60</u> Min.
D Initial Closed-in Pressure <u>1120</u>	P.S.I.	Second Flow Pressure <u>90</u> Mins.	<u>90</u> Min.
E Second Initial Flow Pressure <u>181</u>	P.S.I.	Final Closed-in Pressure <u>90</u> Mins.	<u>90</u> Min.
F Second Final Flow Pressure <u>262</u>	P.S.I.		
G Final Closed-in Pressure <u>1067</u>	P.S.I.		
H Final Hydrostatic Mud <u>2112</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.
B P 1 0	<u>73</u>	C 0	<u>152</u>	E 0	<u>181</u>	F 0	<u>262</u>
P 2 5	<u>77</u>	3	<u>596</u>	5	<u>1</u>	3	<u>701</u>
P 3 10	<u>89</u>	6	<u>826</u>	10	<u>181</u>	6	<u>787</u>
P 4 15	<u>107</u>	9	<u>907</u>	15	<u>185</u>	9	<u>836</u>
P 5 20	<u>124</u>	12	<u>949</u>	20	<u>189</u>	12	<u>866</u>
P 6 25	<u>143</u>	15	<u>977</u>	25	<u>196</u>	15	<u>897</u>
C P 7 30	<u>152</u>	18	<u>1004</u>	30	<u>201</u>	18	<u>914</u>
P 8 35		21	<u>1022</u>	35	<u>208</u>	21	<u>934</u>
P 9 40		24	<u>1039</u>	40	<u>213</u>	24	<u>947</u>
P10 45		27	<u>1053</u>	45	<u>217</u>	27	<u>960</u>
P11 50		30	<u>1063</u>	50	<u>225</u>	30	<u>968</u>
P12 55		33	<u>1071</u>	55	<u>230</u>	33	<u>979</u>
P13 60		36	<u>1078</u>	60	<u>236</u>	36	<u>987</u>
P14 65		39	<u>1086</u>	65	<u>241</u>	39	<u>995</u>
P15 70		42	<u>1093</u>	70	<u>246</u>	42	<u>1005</u>
P16 75		45	<u>1099</u>	75	<u>248</u>	45	<u>1012</u>
P17 80		48	<u>1103</u>	80	<u>257</u>	48	<u>1015</u>
P18 85		51	<u>1110</u>	85	<u>259</u>	51	<u>1020</u>
P19 90		54	<u>1114</u>	F 90	<u>262</u>	54	<u>1026</u>
P20 95		57	<u>1118</u>	95		57	<u>1031</u>
100		D 60	<u>1120</u>	100		60	<u>1037</u>

continued -

WESTERN TESTING CO., INC.

Pressure Data

Date: _____

Test Ticket No. 19947

Recorder No. _____ Capacity _____ Location _____ Ft.

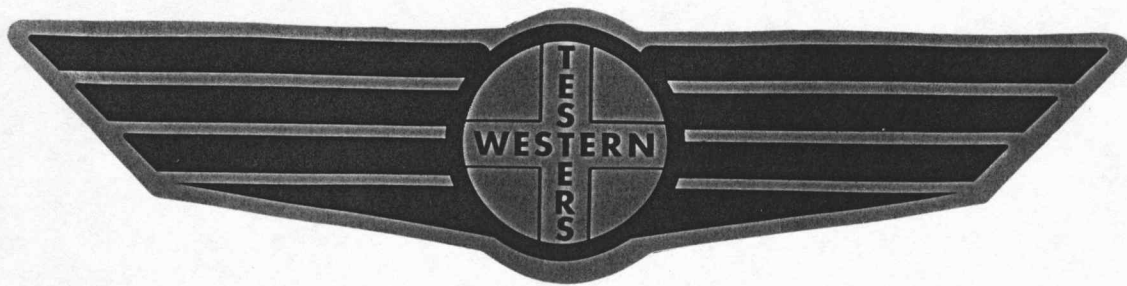
Clock No. _____ Elevation _____ Well Temperature _____ °F

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	1041
P 2 110		66		110		66	1046
P 3 115		69		115		69	1048
P 4 120		72		120		72	1052
P 5 125		75		125		75	1055
P 6 130		78		130		78	1058
P 7 135		81		135		81	1061
P 8 140		84		140		84	1062
P 9 145		87		145		87	1065
P10 150		90		150		G 90	1067
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 11-14-93	TICKET	: 19947
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST: 6	GEOLOGIST: JOHN HASTINGS
ELEVATION	: 2976 K.B.	FORMATION	: LANSING G
SECTION	: 15	TOWNSHIP	: 19S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 10242	RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4055.00 ft	TO:	4075.00 ft	TVD:	4075.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4069.0 ft		4072.0 ft		
TEMPERATURE:	122.0				
DRILL COLLAR LENGTH:	277.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3750.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	20.0 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:	4050.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4055.0 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. :	SWEETMAN DRLG.	VISCOSITY :	48.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	11.600 cc
WEIGHT :	9.000 ppg	SERIAL NUMBER:	415
CHLORIDES :	8000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

FAIR BLOW OFF BOTTOM OF BUCKET IN 17 MINUTES ON
INITIAL FLOW PERIOD. FAIR BLOW OFF BOTTOM OF
BUCKET IN 25 MINUTES ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
305.0	90.0	10.0	0.0	0.0	GASSY OIL
185.0	20.0	30.0	0.0	50.0	HVY GAS & OIL C/MUD
0.0	0.0	0.0	0.0	0.0	490 GAS ABOVE FLUID
0.0	0.0	0.0	0.0	0.0	27 GRAVITY AT 45 DEG. F.

RATE INFORMATION

OIL VOLUME:	3.2780 STB	
GAS VOLUME:	3.4640 SCF	TOTAL FLOW TIME: 120.0000 min.
MUD VOLUME:	0.4549 STB	AVERAGE OIL RATE: 44.7940 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE: 0.0000 STB/D
TOTAL FLUID :	3.7328 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2137.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	58.00	128.00
INITIAL SHUT-IN	60.00		1103.00
FINAL FLOW	90.00	161.00	245.00
FINAL SHUT-IN	90.00		1051.00

FINAL HYDROSTATIC PRESSURE: 2137.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2133.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	73.00	152.00
INITIAL SHUT-IN	60.00		1120.00
FINAL FLOW	90.00	181.00	262.00
FINAL SHUT-IN	90.00		1067.00

FINAL HYDROSTATIC PRESSURE: 2112.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11-14-93	TICKET : 19947
CUSTOMER : MCCOY PETROLEUM CORP.	LEASE : FEIERTAG A
WELL : #3-15 TEST: 6	GEOLOGIST: JOHN HASTINGS
ELEVATION: 2976 K.B.	FORMATION: LANSING G
SECTION : 15	TOWNSHIP : 19S
RANGE : 33W COUNTY: SCOTT	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	73.00	73.00
5.00	77.00	4.00
10.00	89.00	12.00
15.00	107.00	18.00
20.00	124.00	17.00
25.00	143.00	19.00
30.00	152.00	9.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	596.00	596.00	0.00
6.00	826.00	230.00	0.00
9.00	907.00	81.00	0.00
12.00	949.00	42.00	0.00
15.00	977.00	28.00	0.00
18.00	1004.00	27.00	0.00
21.00	1022.00	18.00	0.00
24.00	1039.00	17.00	0.00
27.00	1053.00	14.00	0.00
30.00	1063.00	10.00	0.00
33.00	1071.00	8.00	0.00
36.00	1078.00	7.00	0.00
39.00	1086.00	8.00	0.00
42.00	1093.00	7.00	0.00
45.00	1099.00	6.00	0.00
48.00	1103.00	4.00	0.00
51.00	1110.00	7.00	0.00
54.00	1114.00	4.00	0.00
57.00	1118.00	4.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1120.00	2.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	181.00	181.00
5.00	181.00	0.00
10.00	181.00	0.00
15.00	185.00	4.00
20.00	189.00	4.00
25.00	196.00	7.00
30.00	201.00	5.00
35.00	208.00	7.00
40.00	213.00	5.00
45.00	217.00	4.00
50.00	225.00	8.00
55.00	230.00	5.00
60.00	236.00	6.00
65.00	241.00	5.00
70.00	246.00	5.00
75.00	248.00	2.00
80.00	257.00	9.00
85.00	259.00	2.00
90.00	262.00	3.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	701.00	701.00	0.00
6.00	787.00	86.00	0.00
9.00	836.00	49.00	0.00
12.00	866.00	30.00	0.00
15.00	897.00	31.00	0.00
18.00	914.00	17.00	0.00
21.00	934.00	20.00	0.00
24.00	947.00	13.00	0.00
27.00	960.00	13.00	0.00
30.00	968.00	8.00	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>
33.00	979.00	11.00	0.00
36.00	987.00	8.00	0.00
39.00	995.00	8.00	0.00
42.00	1005.00	10.00	0.00
45.00	1012.00	7.00	0.00
48.00	1015.00	3.00	0.00
51.00	1020.00	5.00	0.00
54.00	1026.00	6.00	0.00
57.00	1031.00	5.00	0.00
60.00	1037.00	6.00	0.00
63.00	1041.00	4.00	0.00
66.00	1046.00	5.00	0.00
69.00	1048.00	2.00	0.00
72.00	1052.00	4.00	0.00
75.00	1055.00	3.00	0.00
78.00	1058.00	3.00	0.00
81.00	1061.00	3.00	0.00
84.00	1063.00	2.00	0.00
87.00	1065.00	2.00	0.00
90.00	1067.00	2.00	0.00

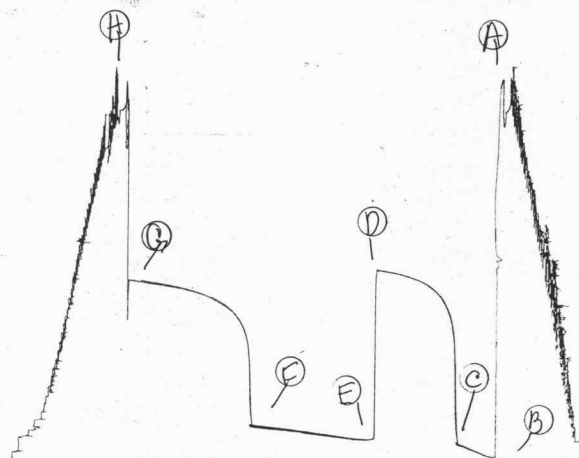
TK# 19947

I

DST#6

10242

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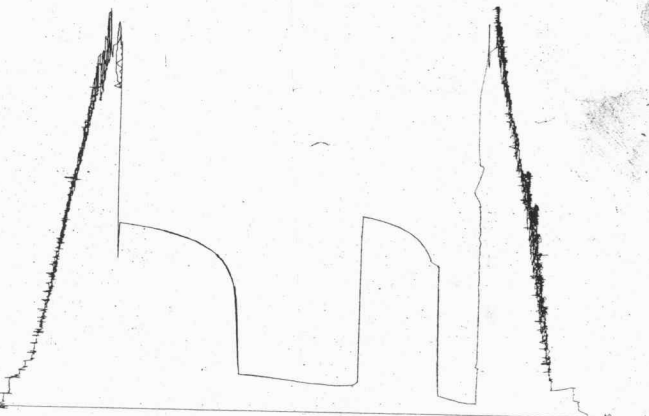


TK# 19947

O

DST#6

13266





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N^o 19948P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201Elevation 2976 KB Formation Lansing H_{3n} Eff. Pay _____ Ft.District Hugoton Date 11-15-93 Customer Order No. _____COMPANY NAME McCoy Ref. Corp.ADDRESS 110 S. MAIN Suite 500 Wichita KS 67202LEASE AND WELL NO Ferret H3-15 COUNTY Scott STATE KS Sec. 15 Twp 19S Rge 33WMail Invoice To SAIME Address SAIME No. Copies Requested ResCo. Name " Address " No. Copies Requested Res

Mail Charts To _____ Address _____ No. Copies Requested _____

Formation Test No. 7 Interval Tested From 4100 ft. to 4126 ft. Total Depth 4126 ft.Packer Depth 4095 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.Packer Depth 4100 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4120 ft. Recorder Number 10242 Cap. 4100Bottom Recorder Depth (Outside) 4123 ft. Recorder Number 13266 Cap. 4000

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

Drilling Contractor Sweetman Drill Collar Length 277 I. D. 2 1/4 in.Mud Type Chem Viscosity 54 Weight Pipe Length _____ I. D. _____ in.Weight 9.2 Water Loss 12 cc. Drill Pipe Length 3795 I. D. 3.8 in.Chlorides 8000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.Jars: Make WTC Serial Number 415 Anchor Length 26 ft. Size 5 1/2 in.Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.Blow: WEAR slowly built to 7" in budget I.F.FAIR - slowly built to B.O.B in 55 min F.F.Recovered 145 ft. of GIPRecovered 290 ft. of Gassy oil 10% gas 90% oilRecovered 120 ft. of Heavy oil, Gassy cut mud 15% oil 20% gas 65% mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: Tot Fl Rec 410'

33 gravity AT 75°

Time On Location 8:30 A.M. Time Pick Up Tool 10:00 P.M. Time Off Location _____ A.M.Time Set Packer(s) 11:25 A.M. Time Started Off Bottom 3:55 P.M. Maximum Temperature 123° FInitial Hydrostatic Pressure _____ (A) 2180 P.S.I.Initial Flow Period _____ Minutes 30 (B) 60 P.S.I. to (C) 109 P.S.I.Initial Closed In Period _____ Minutes 60 (D) 1167 P.S.I.Final Flow Period _____ Minutes 90 (E) 137 P.S.I. to (F) 214 P.S.I.Final Closed In Period _____ Minutes 90 (G) 1158 P.S.I.Final Hydrostatic Pressure _____ (H) 2177 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 11-15-93

Test Ticket No. 19948

Recorder No. 10242 Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2181</u>	P.S.I.	_____ M	_____
B First Initial Flow Pressure <u>71</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure <u>129</u>	P.S.I.	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure <u>1180</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure <u>164</u>	P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
F Second Final Flow Pressure <u>241</u>	P.S.I.		
G Final Closed-in Pressure <u>1168</u>	P.S.I.		
H Final Hydrostatic Mud <u>2085</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.
B P 1 0	<u>71</u>	C 0	<u>129</u>	E 0	<u>164</u>	F 0	<u>241</u>
P 2 5	<u>71</u>	3	<u>678</u>	5	<u>164</u>	3	<u>742</u>
P 3 10	<u>79</u>	6	<u>864</u>	10	<u>167</u>	6	<u>860</u>
P 4 15	<u>93</u>	9	<u>960</u>	15	<u>175</u>	9	<u>927</u>
P 5 20	<u>107</u>	12	<u>1001</u>	20	<u>178</u>	12	<u>970</u>
P 6 25	<u>118</u>	15	<u>1034</u>	25	<u>182</u>	15	<u>996</u>
C P 7 30	<u>129</u>	18	<u>1059</u>	30	<u>188</u>	18	<u>1015</u>
P 8 35		21	<u>1075</u>	35	<u>192</u>	21	<u>1035</u>
P 9 40		24	<u>1095</u>	40	<u>196</u>	24	<u>1054</u>
P10 45		27	<u>1110</u>	45	<u>199</u>	27	<u>1068</u>
P11 50		30	<u>1117</u>	50	<u>206</u>	30	<u>1075</u>
P12 55		33	<u>1133</u>	55	<u>213</u>	33	<u>1086</u>
P13 60		36	<u>1137</u>	60	<u>217</u>	36	<u>1095</u>
P14 65		39	<u>1143</u>	65	<u>222</u>	39	<u>1103</u>
P15 70		42	<u>1150</u>	70	<u>224</u>	42	<u>1110</u>
P16 75		45	<u>1157</u>	75	<u>231</u>	45	<u>1116</u>
P17 80		48	<u>1161</u>	80	<u>234</u>	48	<u>1118</u>
P18 85		51	<u>1168</u>	85	<u>237</u>	51	<u>1124</u>
P19 90		54	<u>1170</u>	F 90	<u>241</u>	54	<u>1129</u>
P20 95		57	<u>1171</u>	95		57	<u>1135</u>
100		60	<u>1177</u>	100		60	<u>1137</u>
		D 63	<u>1180</u>				

Continued

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

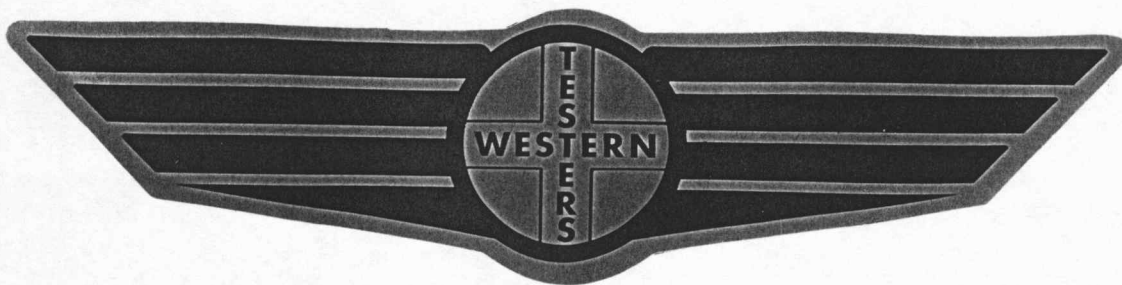
Clock No. _____ Elevation _____ Well Temperature _____ °F

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

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1142
P 2 110		66		110		66	1146
P 3 115		69		115		69	1150
P 4 120		72		120		72	1152
P 5 125		75		125		75	1157
P 6 130		78		130		78	1159
P 7 135		81		135		81	1161
P 8 140		84		140		84	1163
P 9 145		87		145		87	1165
P10 150		90		150		6 90	1168
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 11-15-93	TICKET	: 19948
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST:	7
ELEVATION	: 2976 K.B.	GEOLOGIST	: JOHN HASTINGS
SECTION	: 15	FORMATION	: LANSING H ZONE
RANGE	: 33W	TOWNSHIP	: 19S
GAUGE SN#	: 10242	STATE	: KS
		CLOCK	: 12
	COUNTY: SCOTT		
	RANGE : 4100		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4100.00 ft	TO:	4126.00 ft	TVD:	4126.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4120.0 ft		4123.0 ft		
TEMPERATURE:	123.0				
DRILL COLLAR LENGTH:	277.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3795.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	26.0 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:	4095.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4100.0 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. :	SWEETMAN DRLG.	VISCOSITY :	54.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	12.000 cc
WEIGHT :	9.200 ppg	SERIAL NUMBER:	415
CHLORIDES :	8000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

WEAK SLOWLY BUILDING TO 7" IN BUCKET ON INITIAL
FLOW PERIOD. FAIR BLOW SLOWLY BUILDING TO BOTTOM
OF BUCKET IN 55 MINUTES ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
290.0	90.0	10.0	0.0	0.0	GASSY OIL
120.0	15.0	20.0	0.0	65.0	HVY GAS & OIL C/MUD
0.0	0.0	0.0	0.0	0.0	145 GAS ABOVE FLUID
0.0	0.0	0.0	0.0	0.0	33 GRAVITY AT 75 DEG. F.

RATE INFORMATION

OIL VOLUME:	2.4623 STB	
GAS VOLUME:	2.1437 SCF	
MUD VOLUME:	0.3836 STB	
WATER VOLUME:	0.0000 STB	
TOTAL FLUID :	2.8459 STB	
		TOTAL FLOW TIME: 120.0000 min.
		AVERAGE OIL RATE: 34.1505 STB/D
		AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2180.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	60.00	109.00
INITIAL SHUT-IN	60.00		1167.00
FINAL FLOW	90.00	137.00	214.00
FINAL SHUT-IN	90.00		1158.00

FINAL HYDROSTATIC PRESSURE: 2177.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2181.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	71.00	129.00
INITIAL SHUT-IN	63.00		1180.00
FINAL FLOW	90.00	164.00	241.00
FINAL SHUT-IN	90.00		1168.00

FINAL HYDROSTATIC PRESSURE: 2085.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11-15-93	TICKET : 19948
CUSTOMER : MCCOY PETROLEUM CORP.	LEASE : FEIERTAG A
WELL : #3-15 TEST: 7	GEOLOGIST: JOHN HASTINGS
ELEVATION: 2976 K.B.	FORMATION: LANSING H ZONE
SECTION : 15	TOWNSHIP : 19S
RANGE : 33W COUNTY: SCOTT	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	71.00	71.00
5.00	71.00	0.00
10.00	79.00	8.00
15.00	93.00	14.00
20.00	107.00	14.00
25.00	118.00	11.00
30.00	129.00	11.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	678.00	678.00	0.00
6.00	864.00	186.00	0.00
9.00	960.00	96.00	0.00
12.00	1001.00	41.00	0.00
15.00	1034.00	33.00	0.00
18.00	1059.00	25.00	0.00
21.00	1075.00	16.00	0.00
24.00	1095.00	20.00	0.00
27.00	1110.00	15.00	0.00
30.00	1117.00	7.00	0.00
33.00	1133.00	16.00	0.00
36.00	1137.00	4.00	0.00
39.00	1143.00	6.00	0.00
42.00	1150.00	7.00	0.00
45.00	1157.00	7.00	0.00
48.00	1161.00	4.00	0.00
51.00	1168.00	7.00	0.00
54.00	1170.00	2.00	0.00
57.00	1171.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1177.00	6.00	0.00
63.00	1180.00	3.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	164.00	164.00
5.00	164.00	0.00
10.00	167.00	3.00
15.00	175.00	8.00
20.00	178.00	3.00
25.00	182.00	4.00
30.00	188.00	6.00
35.00	192.00	4.00
40.00	196.00	4.00
45.00	199.00	3.00
50.00	206.00	7.00
55.00	213.00	7.00
60.00	217.00	4.00
65.00	222.00	5.00
70.00	224.00	2.00
75.00	231.00	7.00
80.00	234.00	3.00
85.00	237.00	3.00
90.00	241.00	4.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	742.00	742.00	0.00
6.00	860.00	118.00	0.00
9.00	927.00	67.00	0.00
12.00	970.00	43.00	0.00
15.00	996.00	26.00	0.00
18.00	1015.00	19.00	0.00
21.00	1035.00	20.00	0.00
24.00	1054.00	19.00	0.00
27.00	1068.00	14.00	0.00

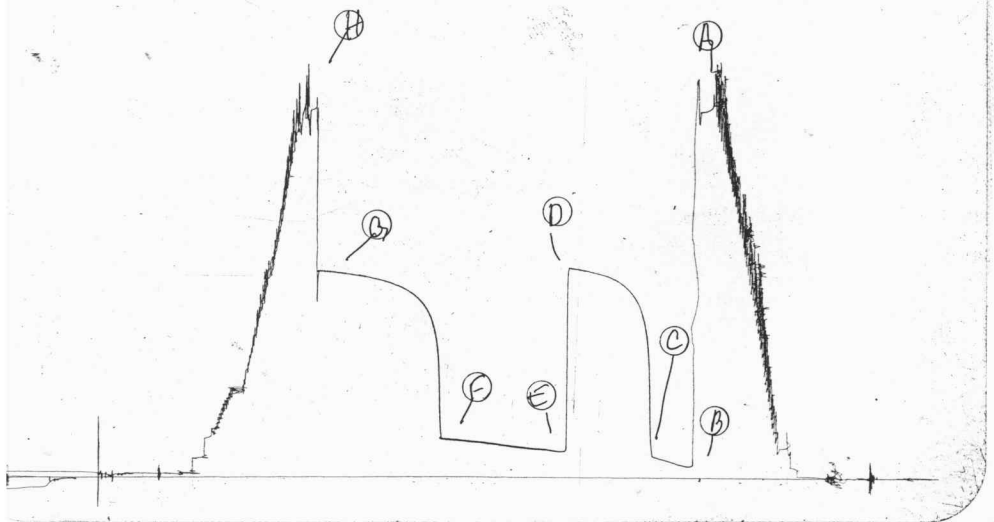
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
30.00	1075.00	7.00	0.00
33.00	1086.00	11.00	0.00
36.00	1095.00	9.00	0.00
39.00	1103.00	8.00	0.00
42.00	1110.00	7.00	0.00
45.00	1116.00	6.00	0.00
48.00	1118.00	2.00	0.00
51.00	1124.00	6.00	0.00
54.00	1129.00	5.00	0.00
57.00	1135.00	6.00	0.00
60.00	1137.00	2.00	0.00
63.00	1142.00	5.00	0.00
66.00	1146.00	4.00	0.00
69.00	1150.00	4.00	0.00
72.00	1152.00	2.00	0.00
75.00	1157.00	5.00	0.00
78.00	1159.00	2.00	0.00
81.00	1161.00	2.00	0.00
84.00	1163.00	2.00	0.00
87.00	1165.00	2.00	0.00
90.00	1168.00	3.00	0.00

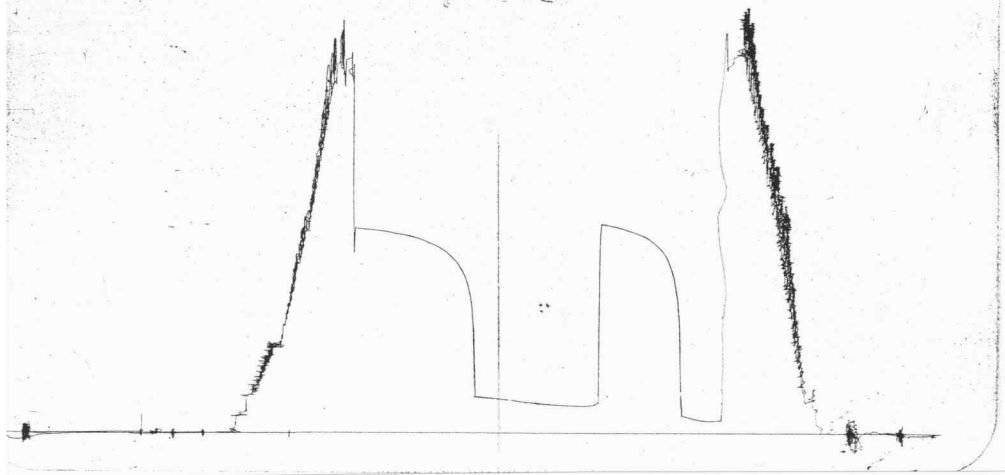
DST#7
10242
★

TK# 19948
I.



DST#7
13266

TK# 19948
O.





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 19949

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

Elevation 2976 KB Formation LANSING J Eff. Pay _____ Ft.

District Houston Date 11-16-93 Customer Order No. _____
COMPANY NAME Mcloy Pet. Corp.
ADDRESS 110 S Main Suite 500 Wichita KS 67202
LEASE AND WELL NO Feiertag A3-15 COUNTY Scott STATE KS Sec. 15 Twp. 19S Rge. 33W
Mail Invoice To SAME Address SAME No. Copies Requested Per
Co. Name _____ Address _____ No. Copies Requested Per
Mail Charts To _____ Address _____ No. Copies Requested Per

Formation Test No. 8 Interval Tested From 4163 ft. to 4172 ft. Total Depth 4172 ft.
Packer Depth 4158 ft. Size 65/8 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4163 ft. Size 65/8 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4167 ft. Recorder Number 10242 Cap. 4100
Bottom Recorder Depth (Outside) 4170 ft. Recorder Number 13266 Cap. 4000
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Sweetman Drill Collar Length 277 I. D. 2 1/4 in.
Mud Type Chem. Viscosity 46 Weight Pipe Length _____ I. D. _____ in.
Weight 8.8 Water Loss 9.8 cc. Drill Pipe Length 3854-3858 I. D. 3.8 in.
Chlorides 6500 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number 415 Anchor Length 9 ft. Size 5 1/2 in.
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 1/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 x 1 1/4 in.

Blow: FAIR - slowly built to 6" in bucket I.F.

FAIR - slowly built to B.O.B in 50 min F.F.

Recovered 245 ft. of gas 20% gas 80% oil
Recovered 110 ft. of slt oil WTR Gas Cut Mud 10% oil 10% WTR 10% gas 70% mud
Recovered 180 ft. of slt oil cut Muddy WTR 5% oil 15% mud 80% WTR
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Chlorides 28,000 P.P.M. Sample Jars used _____ Remarks: Tot Fl Rec. 535'

18 Gravity AT 60°
Time On Location 4:00 A.M. Time Pick Up Tool 5:00 A.M. Time Off Location _____ A.M.
Time Set Packer(s) 7:20 A.M. Time Started Off Bottom 11:50 A.M. Maximum Temperature 123°F
Initial Hydrostatic Pressure _____ (A) 2190 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 58 P.S.I. to (C) 156 P.S.I.
Initial Closed In Period _____ Minutes 60 (D) 1224 P.S.I.
Final Flow Period _____ Minutes 90 (E) 175 P.S.I. to (F) 292 P.S.I.
Final Closed In Period _____ Minutes 90 (G) 1243 P.S.I.
Final Hydrostatic Pressure _____ (H) 2188 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 11-16-93
Recorder No. 10242

Test Ticket No. 19949

Clock No. _____ Elevation _____ Capacity _____ Location _____ Ft. _____
Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2149</u> P.S.I.		
B First Initial Flow Pressure	<u>61</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>161</u> P.S.I.	<u>60</u> Mins.	<u>63</u> Mins.
D Initial Closed-in Pressure	<u>1252</u> P.S.I.	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>189</u> P.S.I.	<u>90</u> Mins.	<u>99</u> Mins.
F Second Final Flow Pressure	<u>300</u> P.S.I.		
G Final Closed-in Pressure	<u>1252</u> P.S.I.		
H Final Hydrostatic Mud	<u>1095</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.
B P 1 0	<u>61</u>	C 0	<u>161</u>	E 0	<u>189</u>	F 0	<u>300</u>
P 2 5	<u>75</u>	3	<u>1073</u>	5	<u>189</u>	3	<u>1066</u>
P 3 10	<u>89</u>	6	<u>1154</u>	10	<u>194</u>	6	<u>1152</u>
P 4 15	<u>107</u>	9	<u>1188</u>	15	<u>201</u>	9	<u>1186</u>
P 5 20	<u>124</u>	12	<u>1210</u>	20	<u>206</u>	12	<u>1202</u>
P 6 25	<u>145</u>	15	<u>1221</u>	25	<u>213</u>	15	<u>1216</u>
C P 7 30	<u>161</u>	18	<u>1226</u>	30	<u>220</u>	18	<u>1222</u>
P 8 35		21	<u>1235</u>	35	<u>227</u>	21	<u>1227</u>
P 9 40		24	<u>1239</u>	40	<u>231</u>	24	<u>1231</u>
P10 45		27	<u>1240</u>	45	<u>241</u>	27	<u>1235</u>
P11 50		30	<u>1244</u>	50	<u>246</u>	30	<u>1238</u>
P12 55		33	<u>1248</u>	55	<u>252</u>	33	<u>1240</u>
P13 60		36	<u>1248</u>	60	<u>259</u>	36	<u>1241</u>
P14 65		39	<u>1247</u>	65	<u>265</u>	39	<u>1242</u>
P15 70		42	<u>1248</u>	70	<u>272</u>	42	<u>1243</u>
P16 75		45	<u>1249</u>	75	<u>279</u>	45	<u>1248</u>
P17 80		48	<u>1249</u>	80	<u>283</u>	48	<u>1248</u>
P18 85		51	<u>1250</u>	85	<u>290</u>	51	<u>1249</u>
P19 90		54	<u>1250</u>	F 90	<u>300</u>	54	<u>1249</u>
P20 95		57	<u>1250</u>	95		57	<u>1249</u>
100		60	<u>1251</u>	100		60	<u>1249</u>

D'63

1252

Continued -

WESTERN TESTING CO., INC.

Pressure Data

Date 11-16-93

Test Ticket No. 19949

Recorder No. 10242 Capacity _____ Location _____ Ft.

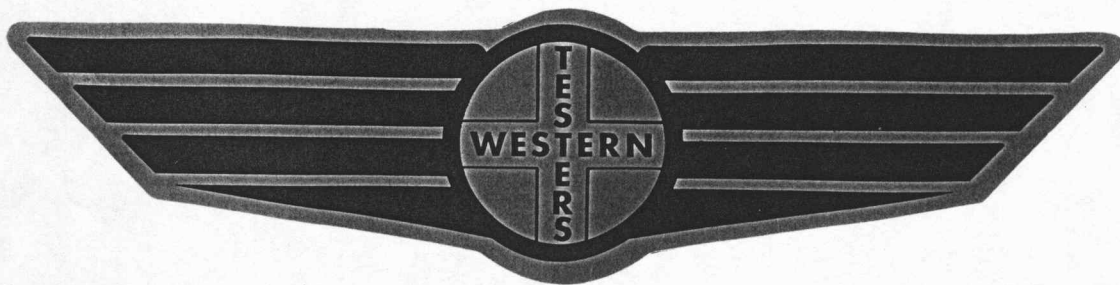
Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2147</u>	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 <u>2095</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 <u>105</u>		<u>63</u>		<u>105</u>		<u>63</u>	<u>1249</u>
P 2 <u>110</u>		<u>66</u>		<u>110</u>		<u>66</u>	<u>1249</u>
P 3 <u>115</u>		<u>69</u>		<u>115</u>		<u>69</u>	<u>1249</u>
P 4 <u>120</u>		<u>72</u>		<u>120</u>		<u>72</u>	<u>1250</u>
P 5 <u>125</u>		<u>75</u>		<u>125</u>		<u>75</u>	<u>1250</u>
P 6 <u>130</u>		<u>78</u>		<u>130</u>		<u>78</u>	<u>1250</u>
P 7 <u>135</u>		<u>81</u>		<u>135</u>		<u>81</u>	<u>1250</u>
P 8 <u>140</u>		<u>84</u>		<u>140</u>		<u>84</u>	<u>1250</u>
P 9 <u>145</u>		<u>87</u>		<u>145</u>		<u>87</u>	<u>1250</u>
P10 <u>150</u>		<u>90</u>		<u>150</u>		<u>90</u>	<u>1250</u>
P11 <u>155</u>		<u>93</u>		<u>155</u>		<u>93</u>	<u>1250</u>
P12 <u>160</u>		<u>96</u>		<u>160</u>		<u>96</u>	<u>1250</u>
P13 <u>165</u>		<u>99</u>		<u>165</u>		<u>99</u>	<u>1250</u>
P14 <u>170</u>		<u>102</u>		<u>170</u>		<u>102</u>	<u>1250</u>
P15 <u>175</u>		<u>105</u>		<u>175</u>		<u>105</u>	<u>1250</u>
P16 <u>180</u>		<u>108</u>		<u>180</u>		<u>108</u>	<u>1250</u>
P17 <u>185</u>		<u>111</u>		<u>185</u>		<u>111</u>	<u>1250</u>
P18 <u>190</u>		<u>114</u>		<u>190</u>		<u>114</u>	<u>1250</u>
P19 <u>195</u>		<u>117</u>		<u>195</u>		<u>117</u>	<u>1250</u>
P20 <u>200</u>		<u>120</u>		<u>200</u>		<u>120</u>	<u>1250</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 11-16-93	TICKET	: 19949
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST: 8	GEOLOGIST: JOHN HASTINGS
ELEVATION	: 2976 K.B.	FORMATION	: LANSING J
SECTION	: 15	TOWNSHIP	: 19S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 10242	CLOCK	: 12
	COUNTY: SCOTT		
	RANGE : 4100		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4163.00 ft	TO:	4172.00 ft	TVD:	4172.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4167.0 ft		4170.0 ft		
TEMPERATURE:	118.0				
DRILL COLLAR LENGTH:	277.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3858.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	9.0 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:	4158.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4163.0 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. :	SWEETMAN DRLG.	VISCOSITY :	46.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.800 cc
WEIGHT :	8.800 ppg		
CHLORIDES :	6500 ppm	SERIAL NUMBER:	415
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

FAIR BLOW SLOWLY BUILDING TO 6" IN BUCKET ON
INITIAL FLOW PERIOD. FAIR BLOW SLOWLY BUILDING
TO BOTTOM OF BUCKET IN 50 MINUTES ON FINAL FLOW

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

PERIOD.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
245.0	80.0	20.0	0.0	0.0	GASSY OIL
110.0	10.0	10.0	10.0	70.0	SLI. OIL WTR & GAS C/ MUD
180.0	5.0	0.0	80.0	15.0	SLI. OIL C/ MDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 28000 PPM
0.0	0.0	0.0	0.0	0.0	18 GRAVITY AT 60 DEG. F.

RATE INFORMATION

OIL VOLUME: 2.8594 STB
 GAS VOLUME: 4.2294 SCF
 MUD VOLUME: 0.5943 STB
 WATER VOLUME: 0.7741 STB
 TOTAL FLUID : 4.2277 STB

TOTAL FLOW TIME: 120.0000 min.
 AVERAGE OIL RATE: 37.1752 STB/D
 AVERAGE WATER RATE: 13.5574 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2190.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	58.00	156.00
INITIAL SHUT-IN	60.00		1224.00
FINAL FLOW	90.00	175.00	292.00
FINAL SHUT-IN	90.00		1243.00

FINAL HYDROSTATIC PRESSURE: 2188.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2147.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	61.00	161.00
INITIAL SHUT-IN	63.00		1252.00
FINAL FLOW	90.00	189.00	300.00
FINAL SHUT-IN	99.00		1252.00

FINAL HYDROSTATIC PRESSURE: 2095.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11-16-93	TICKET : 19949
CUSTOMER : MCCOY PETROLEUM CORP.	LEASE : FEIERTAG A
WELL : #3-15 TEST: 8	GEOLOGIST: JOHN HASTINGS
ELEVATION: 2976 K.B.	FORMATION: LANSING J
SECTION : 15	TOWNSHIP : 19S
RANGE : 33W COUNTY: SCOTT	STATE : KS
GAUGE SN#: 10242 RANGE : 4100	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	61.00	61.00
5.00	75.00	14.00
10.00	89.00	14.00
15.00	107.00	18.00
20.00	124.00	17.00
25.00	145.00	21.00
30.00	161.00	16.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1073.00	1073.00	0.00
6.00	1154.00	81.00	0.00
9.00	1188.00	34.00	0.00
12.00	1210.00	22.00	0.00
15.00	1221.00	11.00	0.00
18.00	1226.00	5.00	0.00
21.00	1235.00	9.00	0.00
24.00	1237.00	2.00	0.00
27.00	1240.00	3.00	0.00
30.00	1241.00	1.00	0.00
33.00	1242.00	1.00	0.00
36.00	1243.00	1.00	0.00
39.00	1244.00	1.00	0.00
42.00	1245.00	1.00	0.00
45.00	1246.00	1.00	0.00
48.00	1247.00	1.00	0.00
51.00	1248.00	1.00	0.00
54.00	1249.00	1.00	0.00
57.00	1250.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1251.00	1.00	0.00
63.00	1252.00	1.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	189.00	189.00
5.00	191.00	2.00
10.00	194.00	3.00
15.00	201.00	7.00
20.00	206.00	5.00
25.00	213.00	7.00
30.00	220.00	7.00
35.00	227.00	7.00
40.00	231.00	4.00
45.00	241.00	10.00
50.00	246.00	5.00
55.00	252.00	6.00
60.00	259.00	7.00
65.00	265.00	6.00
70.00	272.00	7.00
75.00	279.00	7.00
80.00	283.00	4.00
85.00	290.00	7.00
90.00	300.00	10.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1066.00	1066.00	0.00
6.00	1152.00	86.00	0.00
9.00	1186.00	34.00	0.00
12.00	1202.00	16.00	0.00
15.00	1216.00	14.00	0.00
18.00	1222.00	6.00	0.00
21.00	1227.00	5.00	0.00
24.00	1231.00	4.00	0.00
27.00	1235.00	4.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

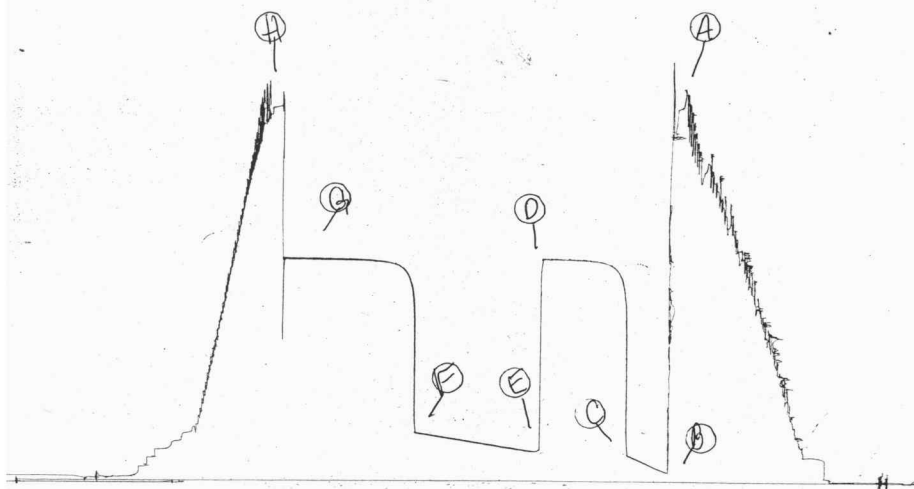
FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
30.00	1238.00	3.00	0.00
33.00	1240.00	2.00	0.00
36.00	1241.00	1.00	0.00
39.00	1242.00	1.00	0.00
42.00	1243.00	1.00	0.00
45.00	1244.00	1.00	0.00
48.00	1245.00	1.00	0.00
51.00	1246.00	1.00	0.00
54.00	1247.00	1.00	0.00
57.00	1248.00	1.00	0.00
60.00	1249.00	1.00	0.00
63.00	1249.00	0.00	0.00
66.00	1249.00	0.00	0.00
69.00	1249.00	0.00	0.00
72.00	1250.00	1.00	0.00
75.00	1250.00	0.00	0.00
78.00	1250.00	0.00	0.00
81.00	1250.00	0.00	0.00
84.00	1251.00	1.00	0.00
87.00	1251.00	0.00	0.00
90.00	1251.00	0.00	0.00
93.00	1252.00	1.00	0.00
96.00	1252.00	0.00	0.00
99.00	1252.00	0.00	0.00

DST#8
10242
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TK#19949

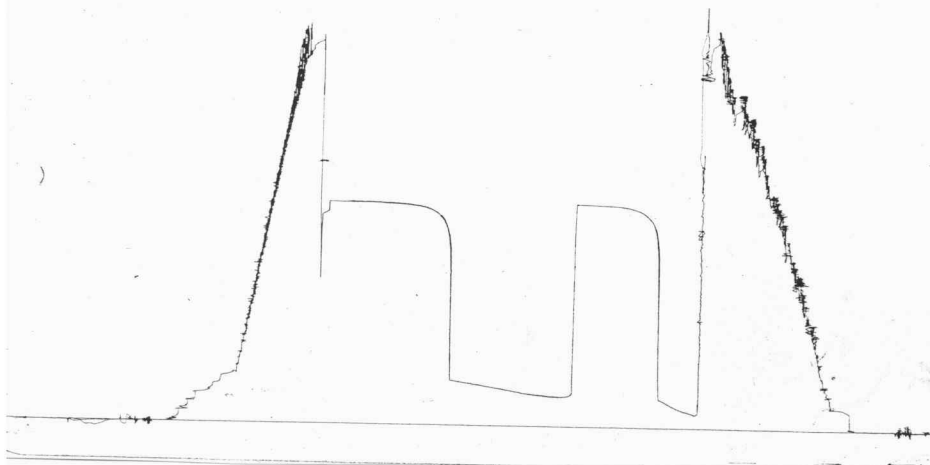
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DST#8
13266

TK#19949

O.





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 19950

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

Elevation 2976 KB Formation Marmaton B Eff. Pay _____ Ft.

District Hugoton

Date 11-17-93

Customer Order No. _____

COMPANY NAME Meloy Pet. Corp.

ADDRESS 110 S. Main Suite 500 Wichita KS 67202

LEASE AND WELL NO. Feiertag A-3-15 COUNTY Sault STATE KS Sec. 15 Twp. 19S Rge. 33W

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

Mail Charts To _____ Address _____ No. Copies Requested Reg

Formation Test No. 9 Interval Tested From 4320 ft. to 4350 ft. Total Depth 4350 ft.
Packer Depth 4315 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4320 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4345 ft. Recorder Number 10242 Cap. 4100
Bottom Recorder Depth (Outside) 4348 ft. Recorder Number 13266 Cap. 4000
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Sweetman Drill Collar Length 277 I. D. 2 1/4 in.
Mud Type Chem. Viscosity 49 Weight Pipe Length _____ I. D. _____ in.
Weight 9.2 Water Loss 10 cc. Drill Pipe Length 4015 I. D. 3.8 in.
Chlorides 2000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.
Jars: Make WTC Serial Number 415 Anchor Length 30 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 2 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: FAIR B.O.B in 25 min I.F.
FAIR B.O.B in 15 min FF.

Recovered 830 ft. of G.I.P.
Recovered 200 ft. of CLN Gassy oil
Recovered 260 ft. of Huy Gas 40% cut mud 40% gas 20% oil 40% mud
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Chlorides _____ P.P.M. Sample Jars used _____ Remarks: Tot Fl Rec. 460'

27 Gravity at 50°
Time On Location 9:00 A.M. Time Pick Up Tool 9:45 A.M. Time Off Location _____ A.M.
Time Set Packer(s) 11:20 A.M. Time Started Off Bottom 4:20 A.M. Maximum Temperature 124°F
Initial Hydrostatic Pressure _____ (A) 2294 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 67 P.S.I. to (C) 144 P.S.I.
Initial Closed In Period _____ Minutes 60 (D) 460 P.S.I.
Final Flow Period _____ Minutes 90 (E) 161 P.S.I. to (F) 203 P.S.I.
Final Closed In Period _____ Minutes 120 (G) 464 P.S.I.
Final Hydrostatic Pressure _____ (H) 2292 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 John P. Wargo
Signature of Customer or his authorized representative

Western Representative John P. Wargo

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. 19950

Recorder No. 10242 Capacity _____ Location _____ Ft _____

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2295</u> P.S.I.		
B First Initial Flow Pressure	<u>82</u> P.S.I.	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>162</u> P.S.I.	<u>60</u> Mins.	<u>66</u> Mins.
D Initial Closed-in Pressure	<u>487</u> P.S.I.	<u>90</u> Mins.	<u>85</u> Mins.
E Second Initial Flow Pressure	<u>180</u> P.S.I.	<u>120</u> Mins.	<u>126</u> Mins.
F Second Final Flow Pressure	<u>234</u> P.S.I.		
G Final Closed-in Pressure	<u>480</u> P.S.I.		
H Final Hydrostatic Mud	<u>2217</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.
B P 1 0	<u>82</u>	C 0	<u>162</u>	E 0	<u>180</u>		<u>2</u>
P 2 5	<u>89</u>	3	<u>276</u>	5	<u>1</u>	3	<u>318</u>
P 3 10	<u>105</u>	6	<u>370</u>	10	<u>180</u>	6	<u>376</u>
P 4 15	<u>124</u>	9	<u>414</u>	15	<u>182</u>	9	<u>400</u>
P 5 20	<u>148</u>	12	<u>437</u>	20	<u>188</u>	12	<u>418</u>
P 6 25	<u>154</u>	15	<u>449</u>	25	<u>192</u>	15	<u>428</u>
P 7 30	<u>157</u>	18	<u>456</u>	30	<u>196</u>	18	<u>440</u>
C P 8 35	<u>162</u>	21	<u>463</u>	35	<u>201</u>	21	<u>449</u>
P 9 40		24	<u>467</u>	40	<u>203</u>	24	<u>452</u>
P10 45		27	<u>470</u>	45	<u>204</u>	27	<u>454</u>
P11 50		30	<u>473</u>	50	<u>206</u>	30	<u>456</u>
P12 55		33	<u>475</u>	55	<u>210</u>	33	<u>463</u>
P13 60		36	<u>478</u>	60	<u>213</u>	36	<u>463</u>
P14 65		39	<u>478</u>	65	<u>217</u>	39	<u>465</u>
P15 70		42	<u>479</u>	70	<u>223</u>	42	<u>464</u>
P16 75		45	<u>480</u>	75	<u>225</u>	45	<u>467</u>
P17 80		48	<u>481</u>	80	<u>232</u>	48	<u>468</u>
P18 85		51	<u>482</u>	F 85	<u>234</u>	51	<u>469</u>
P19 90		54	<u>483</u>	90		54	<u>470</u>
P20 95		57	<u>484</u>	95		57	<u>471</u>
100		60	<u>485</u>	100		60	<u>472</u>
		63	<u>486</u>				
		66	<u>487</u>				

WESTERN TESTING CO., INC.

Pressure Data

Date: _____

Test Ticket No. 19950

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.			

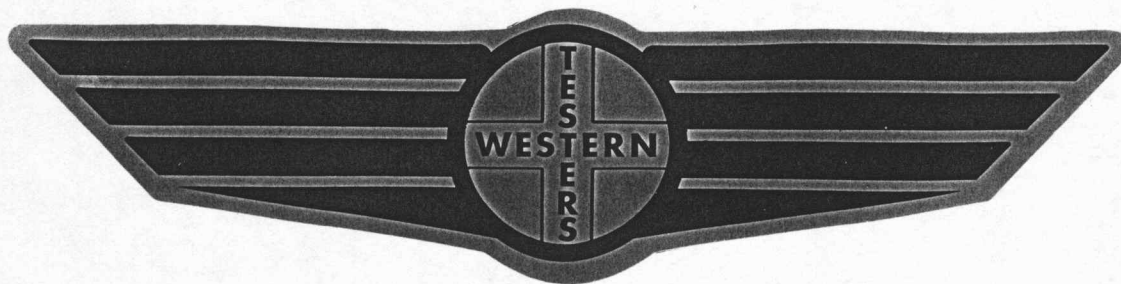
PRESSURE BREAKDOWN

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	422
P 2 110		66		110		66	424
P 3 115		69		115		69	425
P 4 120		72		120		72	426
P 5 125		75		125		75	477
P 6 130		78		130		78	478
P 7 135		81		135		81	479
P 8 140		84		140		84	
P 9 145		87		145		87	479
P10 150		90		150		90	480
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	480
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	480

122
126

480

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 11-17-03	TICKET	: 19950
CUSTOMER	: MCCOY PETROLEUM CORP.	LEASE	: FEIERTAG A
WELL	: #3-15	TEST: 9	GEOLOGIST: JOHN HASTINGS
ELEVATION	: 2976 K.B.	FORMATION	: MARMATON B
SECTION	: 15	TOWNSHIP	: 19S
RANGE	: 33W	STATE	: KS
GAUGE SN#	: 10242	RANGE	: 4100
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4320.00 ft	TO:	4350.00 ft	TVD:	4350.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4345.0 ft		4348.0 ft		
TEMPERATURE:	124.0				
DRILL COLLAR LENGTH:	277.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4015.0 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:	4315.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4320.0 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. :	SWEETMAN DRLG.	VISCOSITY :	49.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.000 cc
WEIGHT :	9.200 ppg		
CHLORIDES :	7000 ppm	SERIAL NUMBER:	415
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

FAIR BLOW OFF BOTTOM OF BUCKET IN 25 MINUTES ON
INITIAL FLOW PERIOD. FAIR BLOW OFF BOTTOM OF
BUCKET IN 15 MINUTES ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
200.0	80.0	20.0	0.0	0.0	CLEAN GASSY OIL
260.0	20.0	40.0	0.0	40.0	HVY GAS & OIL C/MUD
0.0	0.0	0.0	0.0	0.0	27 GRAVITY AT 50 DEG. F.
0.0	0.0	0.0	0.0	0.0	830' GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	2.3760 STB	
GAS VOLUME:	5.8480 SCF	
MUD VOLUME:	0.5114 STB	
WATER VOLUME:	0.0000 STB	
TOTAL FLUID :	2.8875 STB	
		TOTAL FLOW TIME: 120.0000 min.
		AVERAGE OIL RATE: 34.6496 STB/D
		AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2294.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	67.00	144.00
INITIAL SHUT-IN	60.00		460.00
FINAL FLOW	90.00	161.00	203.00
FINAL SHUT-IN	120.00		464.00

FINAL HYDROSTATIC PRESSURE: 2292.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2295.00

Description	Duration	p1	p End
INITIAL FLOW	35.00	82.00	162.00
INITIAL SHUT-IN	66.00		487.00
FINAL FLOW	85.00	180.00	234.00
FINAL SHUT-IN	126.00		480.00

FINAL HYDROSTATIC PRESSURE: 2217.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11-17-03	TICKET : 19950
CUSTOMER : MCCOY PETROLEUM CORP.	LEASE : FEIERTAG A
WELL : #3-15 TEST: 9	GEOLOGIST: JOHN HASTINGS
ELEVATION: 2976 K.B.	FORMATION: MARMATON B
SECTION : 15	TOWNSHIP : 19S
RANGE : 33W	STATE : KS
GAUGE SN#: 10242	CLOCK : 12
COUNTY: SCOTT	
RANGE : 4100	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	82.00	82.00
5.00	89.00	7.00
10.00	105.00	16.00
15.00	124.00	19.00
20.00	136.00	12.00
25.00	148.00	12.00
30.00	157.00	9.00
35.00	162.00	5.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	276.00	276.00	0.00
6.00	370.00	94.00	0.00
9.00	414.00	44.00	0.00
12.00	437.00	23.00	0.00
15.00	449.00	12.00	0.00
18.00	456.00	7.00	0.00
21.00	463.00	7.00	0.00
24.00	467.00	4.00	0.00
27.00	470.00	3.00	0.00
30.00	473.00	3.00	0.00
33.00	475.00	2.00	0.00
36.00	477.00	2.00	0.00
39.00	478.00	1.00	0.00
42.00	479.00	1.00	0.00
45.00	480.00	1.00	0.00
48.00	481.00	1.00	0.00
51.00	482.00	1.00	0.00
54.00	483.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
57.00	484.00	1.00	0.00
60.00	485.00	1.00	0.00
63.00	486.00	1.00	0.00
66.00	487.00	1.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	180.00	180.00
5.00	180.00	0.00
10.00	181.00	1.00
15.00	182.00	1.00
20.00	188.00	6.00
25.00	192.00	4.00
30.00	196.00	4.00
35.00	201.00	5.00
40.00	203.00	2.00
45.00	204.00	1.00
50.00	206.00	2.00
55.00	210.00	4.00
60.00	213.00	3.00
65.00	217.00	4.00
70.00	223.00	6.00
75.00	227.00	4.00
80.00	230.00	3.00
85.00	234.00	4.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	318.00	318.00	0.00
6.00	376.00	58.00	0.00
9.00	400.00	24.00	0.00
12.00	418.00	18.00	0.00
15.00	428.00	10.00	0.00
18.00	440.00	12.00	0.00
21.00	449.00	9.00	0.00
24.00	452.00	3.00	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>
27.00	454.00	2.00	0.00
30.00	456.00	2.00	0.00
33.00	460.00	4.00	0.00
36.00	463.00	3.00	0.00
39.00	465.00	2.00	0.00
42.00	466.00	1.00	0.00
45.00	467.00	1.00	0.00
48.00	468.00	1.00	0.00
51.00	469.00	1.00	0.00
54.00	470.00	1.00	0.00
57.00	471.00	1.00	0.00
60.00	472.00	1.00	0.00
63.00	473.00	1.00	0.00
66.00	474.00	1.00	0.00
69.00	475.00	1.00	0.00
72.00	476.00	1.00	0.00
75.00	477.00	1.00	0.00
78.00	478.00	1.00	0.00
81.00	478.00	0.00	0.00
84.00	478.00	0.00	0.00
87.00	478.00	0.00	0.00
90.00	478.00	0.00	0.00
93.00	479.00	1.00	0.00
96.00	479.00	0.00	0.00
99.00	479.00	0.00	0.00
102.00	479.00	0.00	0.00
105.00	479.00	0.00	0.00
108.00	480.00	1.00	0.00
111.00	480.00	0.00	0.00
114.00	480.00	0.00	0.00
117.00	480.00	0.00	0.00
120.00	480.00	0.00	0.00
123.00	480.00	0.00	0.00
126.00	480.00	0.00	0.00

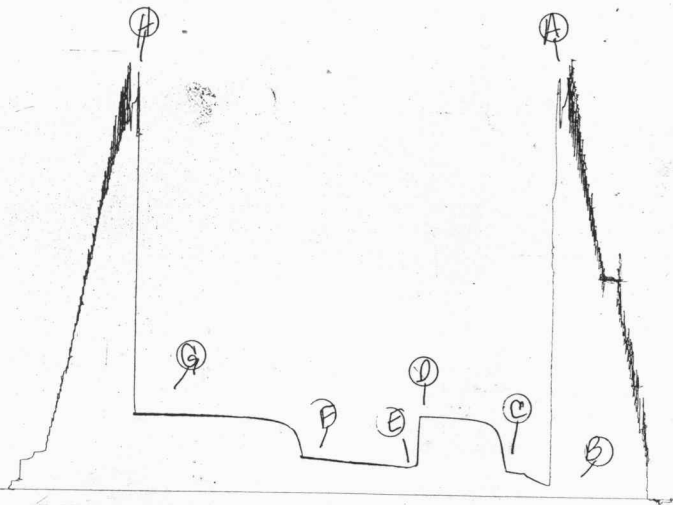
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DST 9

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TR#19950

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