

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 10-26-1992 Location 70°N-SE-NE 23-9°-26°W Elevation 2651 G.L. County Sheridan

Company NATIONAL PETROLEUM RESERVES INC. Number of Copies 5

Charts Mailed to 250 North Rock Road Suite 340 Wichita Kansas 67206

Drilling Contractor EMPHASIS Drilling Rig #8

Length Drill Pipe 3913 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars NONE I.D. Drill Collars NONE Tool Joint Size NONE

Top Packer Depth 3936 Bottom Packer Depth 3941 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3941 TO 3961 ANCHOR LENGTH 20 TOTAL DEPTH 3961 Hole Size 7 1/8"

LEASE & WELL NO. Pfeifer #6 FORMATION TESTED KANSAS CITY TEST NO. 1

Mud Weight 9.0 Viscosity 35 Water Loss 11.2 Chlorides - Pits 6000 D.S.T. 39000

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1958 P.S.I. Final Hydrostatic Pressure (H) 1936 P.S.I.

Tool Open I.F.P. from 10:15 P.m. to 10:45 P.m. 30 min

Tool Closed I.C.I.P. from 10:45 P.m. to 11:15 P.m. 30 min

Tool Open F.F.P. from 11:15 P.m. to 11:35 P.m. 20 min

Tool Closed F.C.I.P. from 11:35 P.m. to 11:55 P.m. 20 min

Initial Blow WEAK SURFACE Blow for 28 minutes & died

Final Blow NO blow - Flushed Tool - WEAK Blow for 6 minutes & died

Total Feet Recovered 90 Gravity of Oil _____ Corrected

30 Feet of MUD % Gas _____ % Oil _____ % Mud _____ % Water _____

30 Feet of Thick heavy mud with a trace of oil % Gas Trace % Oil 65 % Mud 35 % Water _____

30 Feet of Thick heavy mud - % Gas _____ % Oil 55 % Mud 45 % Water _____

Feet of THERE WAS A fair show of oil between % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of the Shut-IN & Hydraulic tools % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Remarks _____

Extra Equipment - Jars YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 11088 Clock No. 47441 Depth 3955 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 27913 Depth 3958 Insurance NONE

Price of Job _____

Tool Operator Aene Ludwig

Approved By _____

NO 11943

4052

4090

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, of for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : NATIONAL PET.RESERVES WELL NAME : PFEIFER #6
ADDRESS : 250 N.ROCK ROAD LOCATION : 70'N-SE-NE 23-9S-26W
STATE & COUNTY : KANSAS,SHERIDAN FIELD :
ELEV.(GR) : 2646 (KB) : 2651 TEST DATE : 10-26-1992

EQUIPMENT AND HOLE DATA

FORMATION TESTED : KANSAS CITY DRILL PIPE LENGTH(ft) : 3913
TEST INT. KB : 3941 to 3961 DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 20 WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kb) : 3961 DRILL COLLAR LENGTH(ft) :
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.0 TOP PACKER DEPTH(kb) : 3936
MUD VISCOSITY : 35 BOTTOM PACKER DEPTH(kb) : 3941
MUD CHLORIDES : 6000 DUAL PACKERS :
SURFACE CHOKE : 3/4 PACKER SIZE(in) : 6 3/4
BOTTOM CHOKE(in) : 3/4 PACKER HOLD : Yes
TOOL SIZE(O.D.) : 5 1/2 TOOL PLUG : No
TOOL JOINT SIZE(F.H.) : 4 1/2 REVERSED OUT : No
RESERVOIR TEMPERATURE(F) : 108 TEST TICKET NUMBER : 11943

EXTRA EQUIPMENT : -JARS -SAFETY JOINT

ELEMENT SERIAL NO. : 11088
RANGE : 0 - 4400 CLOCK RANGE :
CAL. EQU. : 1102.93 * Defl. + 4.88

SURFACE BLOW

1st Opening : WEAK SURFACE BLOW FOR 28 MINUTES AND DIED
2nd Opening : NO BLOW-FLUSHED TOOL-WEAK BLOW 6 MINUTES AND DIED

RECOVERY

Recovered 30 feet of MUD
Recovered 30 feet of THICK HEAVY MUD WITH A TRACE OF OIL
Recovered 30 feet of THICK HEAVY MUD

REMARKS :

WITNESSED BY : DAN DEBOER

TOOL OPERATOR : GENE BUDIG

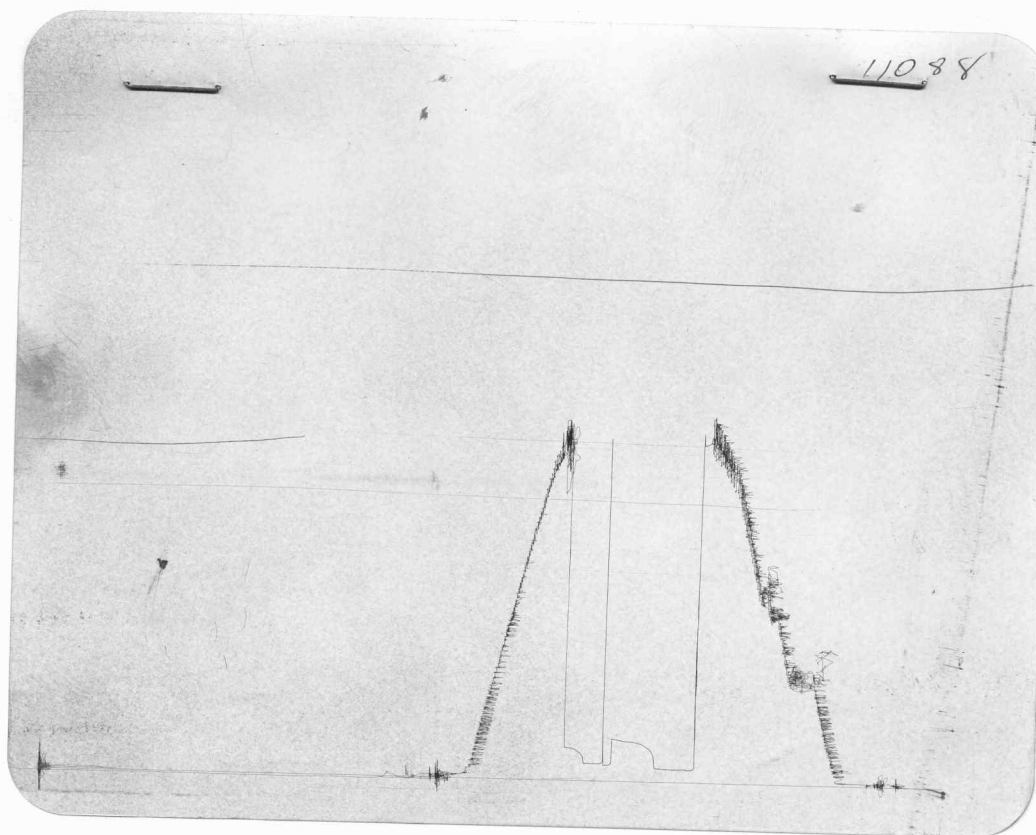
INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : NATIONAL PET.RESERVES WELL NAME : PFEIFER #6
 DATE OF TEST : 10-26-1992 LOCATION : 70°N-95-NE 23-9S-26W
 DEPTH : 3955.0 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:1					
Depth : 3955.0 ft-kb					
-1S HYDROSTATIC	0.0	1.751	1936.11	1.39	1937.50
-10:15 1ST FLOW	0.0	.062	73.26	-4.16	69.10
- 10:20	5.0	.062	73.26	-4.16	69.10
- 10:25	10.0	.063	74.36	-4.15	70.22
- 10:30	15.0	.063	74.36	-4.15	70.22
- 10:35	20.0	.063	74.36	-4.15	70.22
- 10:40	25.0	.065	76.57	-4.13	72.45
- 10:45	30.0	.067	78.78	-4.10	74.67
-10:45 END FLOW	0.0	.067	78.78	-4.10	74.67
- 10:50	5.0	.173	195.69	-2.87	192.82
- 10:55	10.0	.193	217.75	-2.64	215.11
- 11:00	15.0	.201	226.57	-2.55	224.02
- 11:05	20.0	.204	229.88	-2.51	227.37
- 11:00	15.0	.208	234.29	-2.47	231.82
- 11:17	32.0	.217	244.22	-2.36	241.86
-11:17 1ST SHUT-IN	0.0	.217	244.22	-2.36	241.86
-11:17 2ND FLOW	0.0	.086	99.73	-3.88	95.85
- 11:22	5.0	.087	100.83	-3.87	96.96
- 11:27	10.0	.092	106.35	-3.81	102.54
- 11:32	15.0	.092	106.35	-3.81	102.54
- 11:37	20.0	.093	107.45	-3.80	103.65
-11:37 END FLOW	0.0	.093	107.45	-3.80	103.65
- 11:42	5.0	.153	173.63	-3.10	170.52
- 11:47	10.0	.165	186.86	-2.96	183.90
- 11:51	14.0	.171	193.48	-2.89	190.59
-11:51 2ND SHUT-IN	0.0	.171	193.48	-2.89	190.59
-2ND HYDROSTATIC	0.0	1.752	1937.21	1.39	1938.60



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1958	1937	P.S.I.
(B) First Initial Flow Pressure	66	69	P.S.I.
(C) First Final Flow Pressure	78	74	P.S.I.
(D) Initial Closed-in Pressure	234	241	P.S.I.
(E) Second Initial Flow Pressure	78	95	P.S.I.
(F) Second Final Flow Pressure	89	103	P.S.I.
(G) Final Closed-in Pressure	200	190	P.S.I.
(H) Final Hydrostatic Mud	1936	1938	P.S.I.

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

Date 10-27-1992 Location 20°N 56°E 23 95-26" Elevation 2651' 6" County Sheridan

Company NATIONAL PETROLEUM RESERVES INC Number of Copies 5

Charts Mailed to 250 NORTH ROCK ROAD SUITE 340 WICHITA KANSAS 67201

Drilling Contractor EMPHASIS DRILLING R.G. #8

Length Drill Pipe 9818 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 x 4

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars 180 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2 x 4

Top Packer Depth 4047 Bottom Packer Depth 4052 Number of Packers TWO Packer Size 6 3/4"

TESTED FROM 4052 TO 4990 ANCHOR LENGTH 38 TOTAL DEPTH 4090 Hole Size 7 7/8"

LEASE & WELL NO. Pfeifer #6 FORMATION TESTED LKC 160-180 zone TEST NO. 2

Mud Weight 9.3 Viscosity 45 Water Loss 124 Chlorides - Pits 6,500 D.S.T. _____

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1900 P.S.I. Final Hydrostatic Pressure (H) 1881 P.S.I.

Tool Open I.F.P. from 445 m to 500 m 15 min

Tool Closed I.C.I.P. from 500 m to 515 m 15 min

Tool Open F.F.P. from 515 m to 530 m 15 min

Tool Closed F.C.I.P. from 530 m to 545 m 15 min

Initial Blow WEAK BLOW 1/4" INTO WATER DIED 12"

Final Blow WEAK BLOW OFF TOP DECREASING FLUSH TOOL NO HELP DIED 12"

Total Feet Recovered 15' Drilling mud show oil in anchor Gravity of Oil _____ Corrected _____

Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____
Feet of _____	% Gas _____	% Oil _____	% Mud _____	% Water _____

Remarks _____

Extra Equipment - Jars YES Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 11088 Clock No. 4744 Depth 4084 Cir. Sub _____ Sampler NONE

Bottom Recorder No. 11087 Clock No. 27913 Depth 4082 Insurance _____

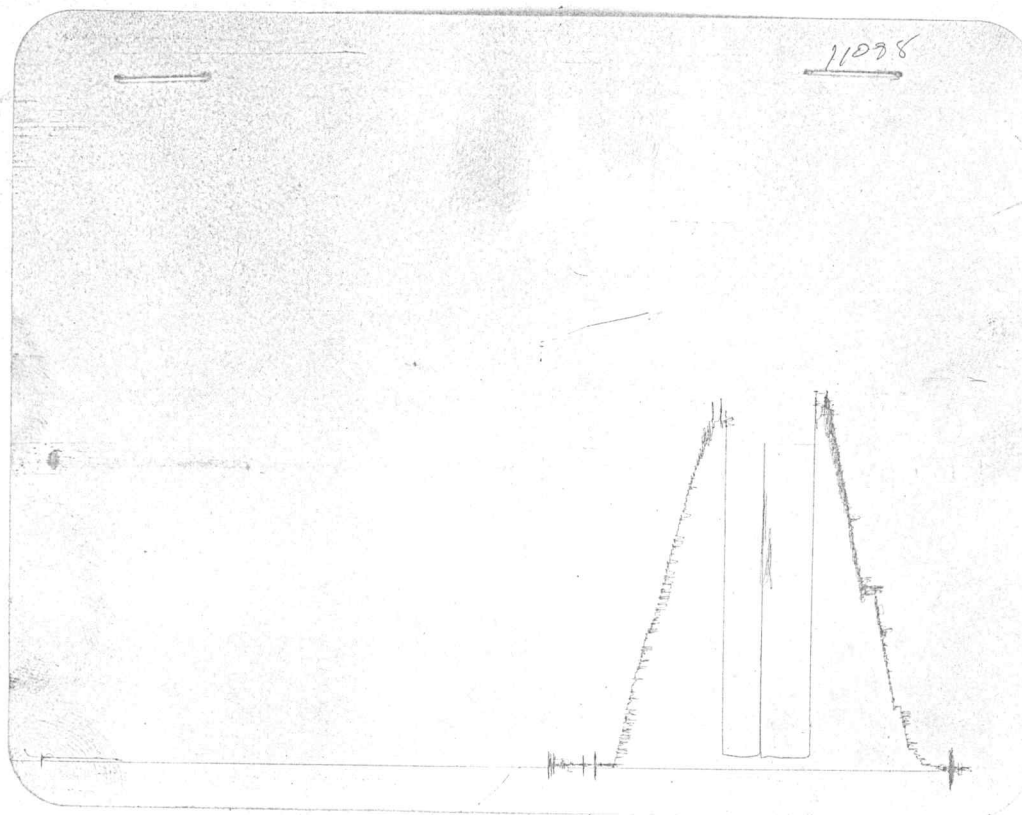
Price of Job _____

Tool Operator PAT STEVENSON

Approved By _____

No. 11944

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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1903	2024	P.S.I.
(B) First Initial Flow Pressure	55	69	P.S.I.
(C) First Final Flow Pressure	55	69	P.S.I.
(D) Initial Closed-in Pressure	78	76	P.S.I.
(E) Second Initial Flow Pressure	66	67	P.S.I.
(F) Second Final Flow Pressure	66	67	P.S.I.
(G) Final Closed-in Pressure	78	85	P.S.I.
(H) Final Hydrostatic Mud	1881	2011	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : NATIONAL PET.RESERVES WELL NAME : PFEIFER #6
ADDRESS : 250 N.ROCK ROAD LOCATION : 70'N-SE-NE 23-95-26W
STATE & COUNTY : KANSAS,SHERIDAN FIELD :
ELEV.(GR) : 2646 (KB) : 2651 TEST DATE : 10-27-1992

EQUIPMENT AND HOLE DATA

FORMATION TESTED : KANSAS CITY"160-1DRILL PIPE LENGTH(ft) : 3918
TEST INT. KB : 4052 to 4090 DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 38 WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kb) : 4090 DRILL COLLAR LENGTH(ft) : 180
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.3 TOP PACKER DEPTH(kb) : 4047
MUD VISCOSITY : 45 BOTTOM PACKER DEPTH(kb) : 4052
MUD CHLORIDES : 6500 DUAL PACKERS :
SURFACE CHOKE : 3/4 PACKER SIZE(in) : 6 3/4
BOTTOM CHOKE(in) : 3/4 PACKER HOLD : Yes
TOOL SIZE(O.D.) : 5 1/2 TOOL PLUG : No
TOOL JOINT SIZE(F.R.) : 4 1/2 REVERSED OUT : No
RESERVOIR TEMPERATURE(F) : 108 TEST TICKET NUMBER : 11944

EXTRA EQUIPMENT : -JARS -SAFETY JOINT

ELEMENT SERIAL NO. : 11086
RANGE : 0 - 4400 CLOCK RANGE : 12 HOURS
CAL. EQU. : 1102.93 * Defl. + 4.88

SURFACE BLOW

1st Opening : WEAK BLOW FOR 12 MINUTES AND DIED
2nd Opening : WEAK BLOW DIED IN 15 MINUTES

RECOVERY

Recovered 15 feet of DRILLING MUD WITH A SHOW OF OIL IN THE ANCHOR

REMARKS :

WITNESSED BY : DAN DEBOER

TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : NATIONAL PET.RESERVES
 DATE OF TEST : 10-27-1992
 DEPTH : 4084.0

WELL NAME : PFEIFER #6
 LOCATION : 70'N-9E-NE 23-9S-26W
 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			CALC	CORR	CORRECTED
TEST NO.:2					
Depth : 4084.0 ft-kb					
-1ST HYDROSTATIC	0.0	1.830	2023.24	1.35	2024.59
- 0:00	0.0	.062	73.26	-4.16	69.10
-4:45 1ST FLOW	0.0	.062	73.26	-4.16	69.10
- 4:50	5.0	.062	73.26	-4.16	69.10
- 4:55	10.0	.062	73.26	-4.16	69.10
- 5:00	15.0	.062	73.26	-4.16	69.10
- 5:00	15.0	.062	73.26	-4.16	69.10
-5:00 END FLOW	0.0	.062	73.26	-4.16	69.10
- 5:05	5.0	.062	73.26	-4.16	69.10
- 5:10	10.0	.064	75.47	-4.14	71.33
- 5:15	15.0	.069	80.98	-4.08	76.90
-5:15 1ST SHUT-IN	0.0	.069	80.98	-4.08	76.90
-5:15 2ND FLOW	0.0	.061	72.16	-4.17	67.99
- 5:20	5.0	.061	72.16	-4.17	67.99
- 5:25	10.0	.067	78.78	-4.10	74.67
- 5:30	15.0	.064	75.47	-4.14	71.33
-5:30 END FLOW	0.0	.064	75.47	-4.14	71.33
- 5:35	5.0	.064	75.47	-4.14	71.33
- 5:40	10.0	.066	77.67	-4.11	73.56
- 5:45	15.0	.071	83.19	-4.06	79.13
- 5:49	19.0	.077	89.81	-3.99	85.82
-4:49 2ND SHUT-IN	0.0	.077	89.81	-3.99	85.82
-2ND HYDROSTATIC	0.0	1.818	2010.01	1.35	2011.36