

Superior Testers Enterprises, Inc.

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

(316) 792-6902

25946.L

Date 7-11-1995 Location Ny 36-16-26^W Elevation 2599 KB County NESS

Company Oil Producers Inc. of Kansas Number of Copies 5

Charts Mailed to P.O. Box 8647 Wichita Kansas 67208

Drilling Contractor PICKRELL Drilling

Length Drill Pipe 4313 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 172 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 4499 Bottom Packer Depth 4504 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 4504 TO 4519 ANCHOR LENGTH 15 TOTAL DEPTH 4519 Hole Size 7 1/8"

LEASE & WELL NO. Peters #2 "D" FORMATION TESTED Mississippi TEST NO. 1

Mud Weight 9.7 Viscosity 45 Water Loss 12.8 Chlorides - Pits 2000 D.S.T.

Maximum Temp. 117 °F Initial Hydrostatic Pressure (A) 2289 P.S.I. Final Hydrostatic Pressure (H) 2234 P.S.I.

Tool Open I.F.P. from 11:15 P.m to 11:45 P.m 30 min

Tool Closed I.C.I.P. from 11:45 P.m to 12:30 A.m 45 min

Tool Open F.F.P. from 12:30 A.m to 1:30 P.m 60 min

Tool Closed F.C.I.P. from 1:30 P.m to 3:00 P.m 90 min

Initial Blow WEAK building blow- built to 9 inches into the water

Final Blow WEAK building blow- built to 4 inches into the water

Total Feet Recovered 200 Gravity of Oil 57 Corrected

150 Feet of Gas in the Pipe % Gas 1 % Oil 0 % Mud 0 % Water

50 Feet of Clear Gassy Oil % Gas 0 % Oil 0 % Mud 0 % Water

30 Feet of SLIGHTLY mud cut Gassy Oil 10 % Gas 25 % Oil 25 % Mud 0 % Water

90 Feet of Muddy Oil 0 % Gas 62 % Oil 38 % Mud 0 % Water

30 Feet of Heavy Oil & Gas Cut mud 10 % Gas 35 % Oil 55 % Mud 0 % Water

Feet of KCC % Gas 0 % Oil 0 % Mud 0 % Water

Feet of FEB 6 1997 % Gas 0 % Oil 0 % Mud 0 % Water

Feet of 13.11 % Gas 0 % Oil 0 % Mud 0 % Water

Feet of 13.11 % Gas 0 % Oil 0 % Mud 0 % Water

Feet of 13.11 % Gas 0 % Oil 0 % Mud 0 % Water

Remarks 13.11

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

Top Recorder No. 11088 Clock No. 47441 Depth 4513 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11088 Clock No. 47442 Depth 4516 Insurance NONE

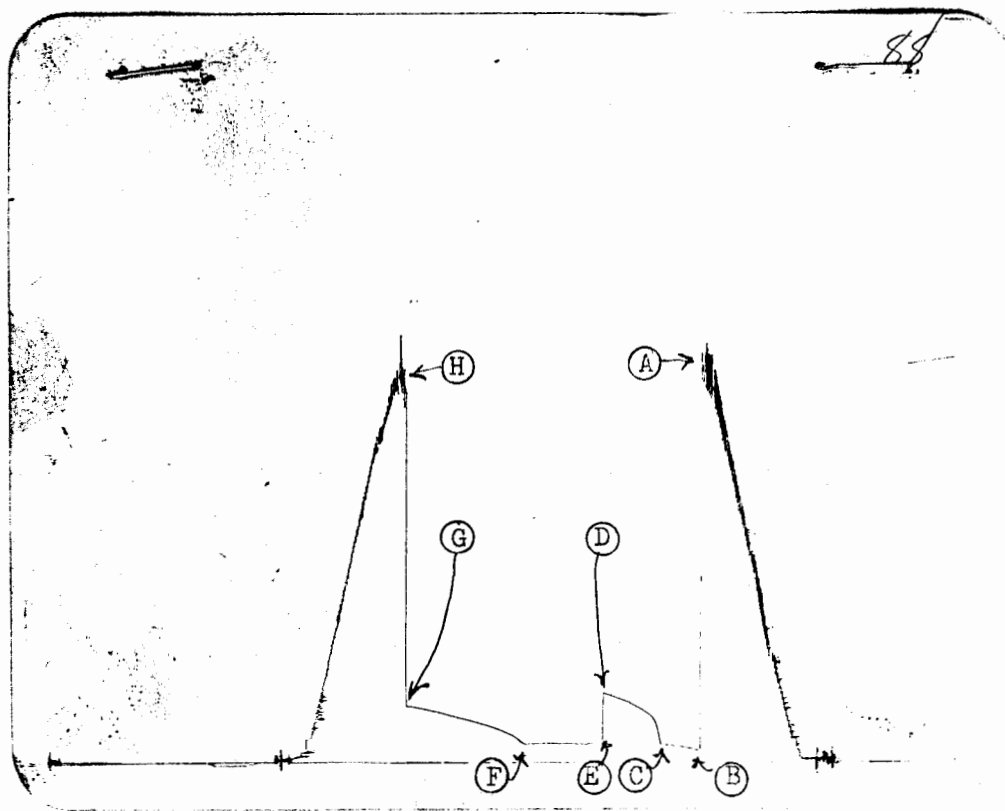
Price of Job None

Tool Operator None

Approved By None

No 11360

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, or 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.



This is an actual photograph of recorder chart.

ORIGINAL

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	<u>2289</u>	<u>2302</u>	P.S.I.
(B) First Initial Flow Pressure	<u>55</u>	<u>66</u>	P.S.I.
(C) First Final Flow Pressure	<u>89</u>	<u>100</u>	P.S.I.
(D) Initial Closed-in Pressure	<u>401</u>	<u>403</u>	P.S.I.
(E) Second Initial Flow Pressure	<u>100</u>	<u>105</u>	P.S.I.
(F) Second Final Flow Pressure	<u>111</u>	<u>111</u>	P.S.I.
(G) Final Closed-in Pressure	<u>312</u>	<u>331</u>	P.S.I.
(H) Final Hydrostatic Mud	<u>2234</u>	<u>2221</u>	P.S.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : OIL PRODUCERS INC.OF KAN. WELL NAME : PETERS"D"#2
ADDRESS : P.O.BOX 8647,WICHITA LOCATION : N/W 36-16S-26W
STATE & COUNTY : KANSAS,NESS FIELD :
ELEV.(GR) : 2594 (KB) : 2599 TEST DATE : 7-11-1995

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MISSISSIPPI	DRILL PIPE LENGTH(ft) : 4313
TEST INT. KB : 4504 to 4519	DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 15	WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional	WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kg) : 4519	DRILL COLLAR LENGTH(ft) : 172
MAIN HOLE SIZE(in) : 7 7/8	DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.7	TOP PACKER DEPTH(kb) : 4499
MUD VISCOSITY : 45	BOTTOM PACKER DEPTH(kb) : 4504
MUD CHLORIDES : 2000	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) : 117	TEST TICKET NUMBER : 11360

EXTRA EQUIPMENT :

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

SURFACE BLOW

1st Opening : WEAK BLOW BUILT TO 9 INCHES INTO THE WATER
2nd Opening : WEAK BLOW BUILT TO 4 INCHES INTO THE WATER

RECOVERY

Recovered	150	feet of	GAS IN THE PIPE
Recovered	50	feet of	CLEAN GASSY OIL GRAVITY 39 CORRECTED
Recovered	30	feet of	SLIGHTLY MUD CUT GASSY OIL
Recovered	90	feet of	MUDDY OIL
Recovered	30	feet of	HEAVY OIL AND GAS CUT MUD

REMARKS :

WITNESSED BY : ARDEN RATZLAFF

TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : OIL PRODUCERS INC. OF KAN. WELL NAME : PETERS"D"#2
 DATE OF TEST : 7-11-1995 LOCATION : N/W 36-16S-26W
 DEPTH : 4513.0 SERIAL NO. : 11008

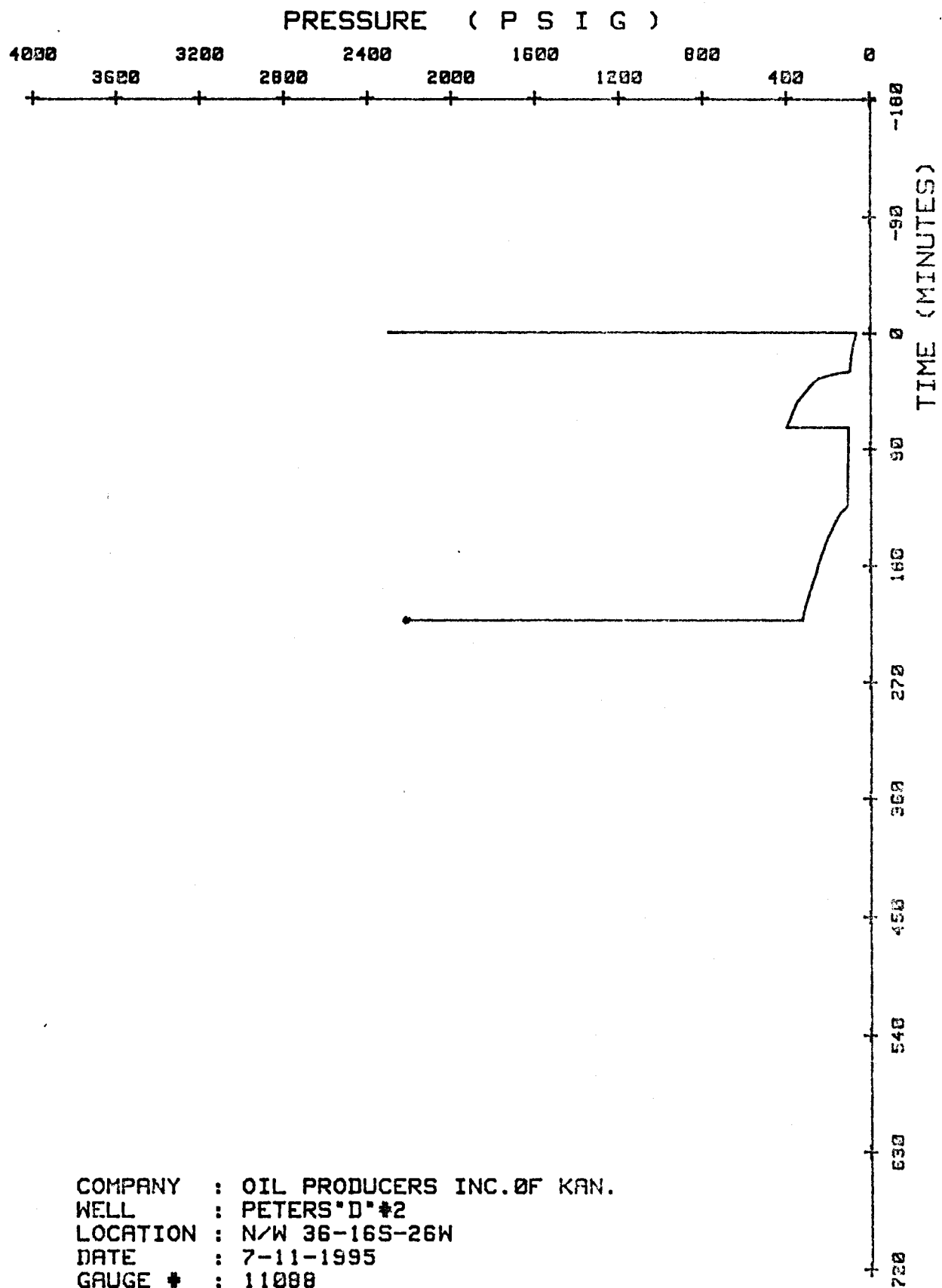
COMMENTS	TIME min	DEFL in	----- CALC	PRESSURE PSIG CORR	----- CORRECTED
TEST NO.: 1					
Depth : 4513.0 ft-kb					
-1SY HYDROSTATIC	0.0	2.082	2301.18	1.59	2302.77
-11:15 1ST FLOW	0.0	.060	71.06	-4.18	66.87
- 11:20	5.0	.066	77.67	-4.11	73.56
- 11:25	10.0	.075	87.60	-4.01	83.59
- 11:30	15.0	.080	93.11	-3.95	89.16
- 11:35	20.0	.085	98.63	-3.89	94.74
- 11:40	25.0	.088	101.94	-3.86	98.08
- 11:45	30.0	.090	104.14	-3.83	100.31
-11:45 END FLOW	0.0	.090	104.14	-3.83	100.31
- 11:46	1.0	.101	116.28	-3.71	112.57
- 11:47	2.0	.143	162.60	-3.22	159.38
- 11:48	3.0	.171	193.48	-2.89	190.59
- 11:51	6.0	.223	250.83	-2.29	248.54
- 11:54	9.0	.245	275.10	-2.04	273.06
- 11:57	12.0	.261	292.74	-1.85	290.89
- 12:00	15.0	.274	307.08	-1.70	305.38
- 12:03	18.0	.287	321.42	-1.55	319.87
- 12:06	21.0	.300	335.76	-1.40	334.36
- 12:08	23.0	.306	342.38	-1.33	341.05
- 12:08	23.0	.310	346.79	-1.28	345.51
- 12:09	24.0	.314	351.20	-1.23	349.97
- 12:12	27.0	.323	361.13	-1.13	360.00
- 12:15	30.0	.330	368.85	-1.05	367.80
- 12:18	33.0	.337	376.57	-.97	375.60
- 12:21	36.0	.344	384.29	-.89	383.40
- 12:24	39.0	.350	390.91	-.82	390.09
- 12:27	42.0	.358	399.73	-.72	399.01
- 12:29	44.0	.362	404.14	-.68	403.46
-12:29 1ST SHUT-IN	0.0	.362	404.14	-.68	403.46
-12:29 2ND FLOW	0.0	.095	109.66	-3.78	105.88
- 12:34	5.0	.095	109.66	-3.78	105.88
- 12:39	10.0	.095	109.66	-3.78	105.88
- 12:44	15.0	.095	109.66	-3.78	105.88
- 12:49	20.0	.096	110.76	-3.77	107.00
- 12:54	25.0	.097	111.86	-3.75	108.11
- 12:59	30.0	.099	114.07	-3.73	110.34
- 13:04	35.0	.099	114.07	-3.73	110.34
- 13:09	40.0	.100	115.17	-3.72	111.45
- 13:14	45.0	.100	115.17	-3.72	111.45
- 13:19	50.0	.100	115.17	-3.72	111.45

SUPERIOR TESTERS ENTERPRISES INC.

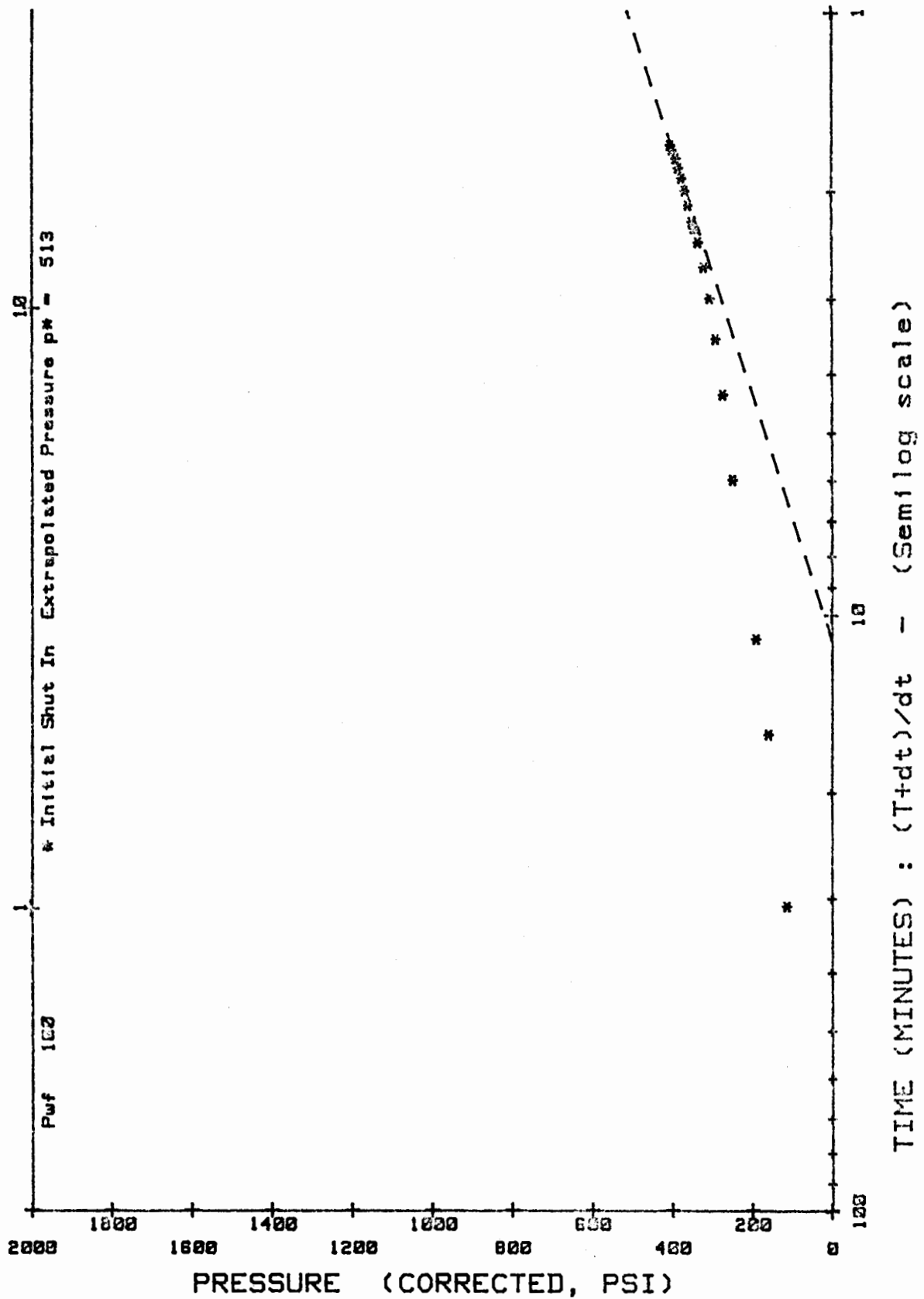
SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : OIL PRODUCERS INC.OF KAN. WELL NAME : PETERS"D"#2
 DATE OF TEST : 7-11-1995 LOCATION : N/W 36-16S-26W
 DEPTH : 4513.0 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	----- CALC	PRESSURE PSIG CORR CORRECTED
TEST NO.: 1				
- 13:24	55.0	.100	115.17	-3.72 111.45
- 13:29	60.0	.100	115.17	-3.72 111.45
-1:29 END FLOW	0.0	.100	115.17	-3.72 111.45
- 1:30	1.0	.102	117.38	-3.70 113.68
- 1:31	2.0	.107	122.89	-3.64 119.26
- 1:32	3.0	.114	130.61	-3.56 127.06
- 1:35	6.0	.131	149.36	-3.36 146.00
- 1:38	9.0	.142	161.50	-3.23 158.26
- 1:41	12.0	.150	170.32	-3.14 167.18
- 1:44	15.0	.159	180.25	-3.03 177.21
- 1:47	18.0	.167	189.07	-2.94 186.13
- 1:50	21.0	.175	197.89	-2.85 195.04
- 1:53	24.0	.183	206.72	-2.76 203.96
- 1:56	27.0	.190	214.44	-2.67 211.76
- 1:59	30.0	.197	222.16	-2.59 219.56
- 2:02	33.0	.202	227.67	-2.53 225.14
- 2:05	36.0	.208	234.29	-2.47 231.82
- 2:08	39.0	.215	242.01	-2.38 239.63
- 2:11	42.0	.220	247.52	-2.33 245.20
- 2:14	45.0	.225	253.04	-2.27 250.77
- 2:17	48.0	.230	258.55	-2.21 256.34
- 2:20	51.0	.234	262.97	-2.16 260.80
- 2:23	54.0	.240	269.58	-2.09 267.49
- 2:26	57.0	.245	275.10	-2.04 273.06
- 2:29	60.0	.251	281.72	-1.97 279.75
- 2:32	63.0	.257	288.33	-1.90 286.44
- 2:35	66.0	.262	293.85	-1.84 292.01
- 2:38	69.0	.267	299.36	-1.78 297.58
- 2:41	72.0	.272	304.88	-1.72 303.15
- 2:44	75.0	.278	311.49	-1.65 309.84
- 2:47	78.0	.283	317.01	-1.59 315.41
- 2:50	81.0	.287	321.42	-1.55 319.87
- 2:53	84.0	.291	325.83	-1.50 324.33
- 2:56	87.0	.294	329.14	-1.47 327.67
- 2:58	89.0	.297	332.45	-1.43 331.02
-2:58 2ND SHUT-IN	0.0	.297	332.45	-1.43 331.02
-2ND HYDROSTATIC	0.0	2.009	2220.67	1.30 2221.96



88011 : # 37NHJ



SUPERIOR TESTERS ENTERPRISES INC.

HORNER ANALYSIS

COMPANY : OIL PRODUCERS INC. OF KAN.
 WELL NAME : PETERS"D"#2
 LOCATION : N/W 36-16S-26W
 STATE & COUNTY : KANSAS, NESS
 DATE OF TEST : 7-11-1995
 TEST INT. KB : 4504 to 4519
 TOTAL INTERVAL (ft) K.B. : 15.00
 ELEV. (GR) : 2594 (KB) : 2599
 FIELD :

ELEMENT SERIAL NO. : 11088
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES ----- CORR PSIG
Refer. depth : 4513.0 ft-kb			
-11:45 END FLOW	0.00	0.00	100.31
	1.00	31.00	112.57
	2.00	14.00	159.38
	3.00	11.00	190.59
	6.00	6.00	248.54
	9.00	4.33	273.06
	12.00	3.50	290.89
	15.00	3.00	305.38
	18.00	2.67	319.87
	21.00	2.43	334.36
	23.00	2.30	341.05
	23.00	2.30	345.51
	24.00	2.25	349.97
	27.00	2.11	360.00
	30.00	2.00	367.80
	33.00	1.91	375.60
	36.00	1.83	383.40
	39.00	1.77	390.09
	42.00	1.71	399.01
	44.00	1.68	403.46
-12:29 1ST SHUT-IN	0.00	0.00	403.46

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES INC.

D A T A S U M M A R Y

COMPANY : OIL PRODUCERS INC.OF KAN. WELL NAME : PETERS"D"#2
DATE OF TEST : 7-11-1995 LOCATION : N/W 36-16S-26W
DST. NO : 1 SHUT-IN PERIOD : 1

INTERPRETIVE DATA (OIL)

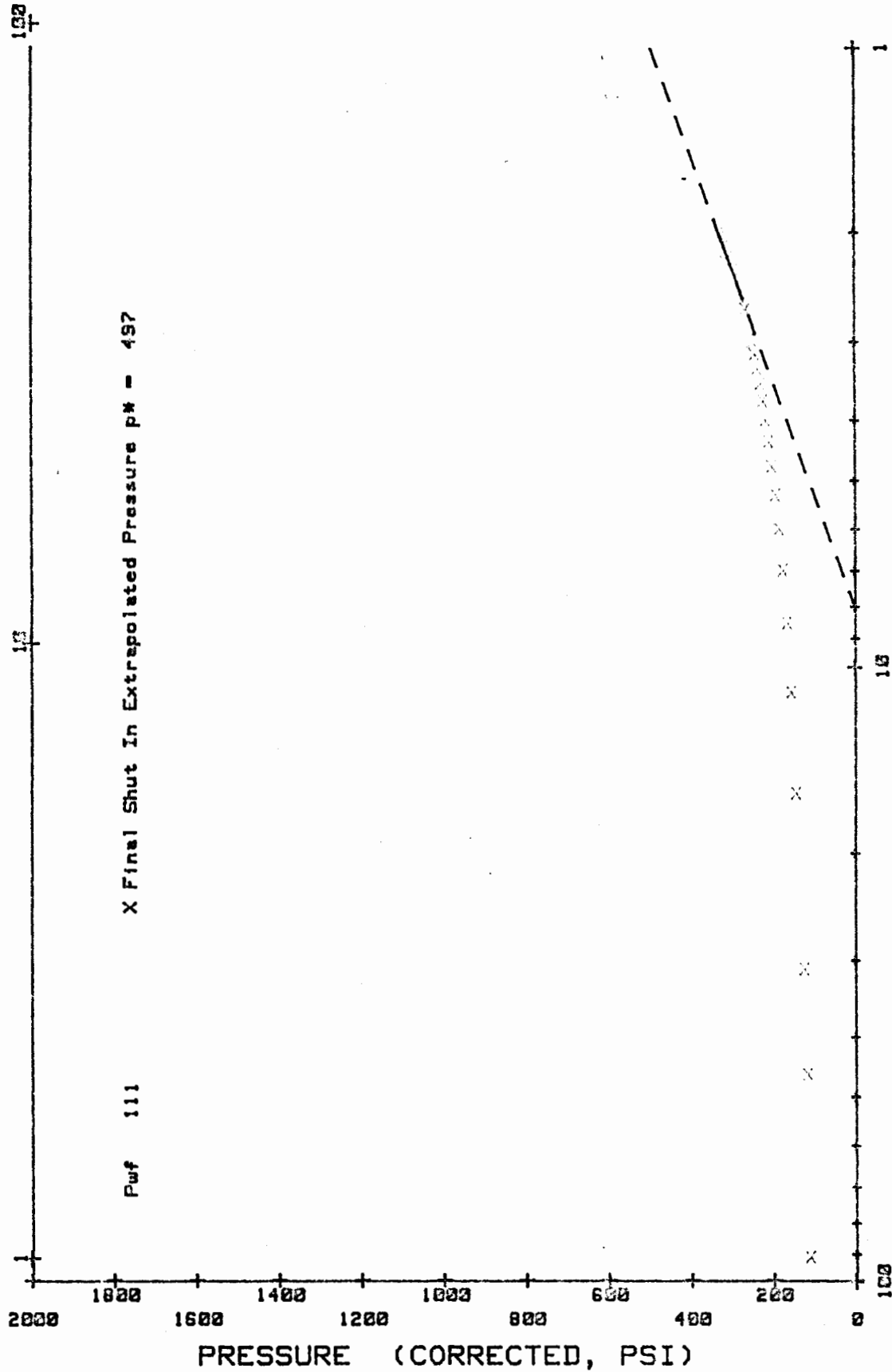
EXTRAPOLATED RESERVOIR PRESSURE (psi):	513.00
Slope of Build-up Curve (psi/log cycle):	491.59
Effective Producing Time (min):	30.00

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

LOCATION : N/W 36-16S-26W

DATE : 7-11-1995

GAUGE # : 11088



SUPERIOR TESTERS ENTERPRISES INC.

HORNER ANALYSIS

COMPANY : OIL PRODUCERS INC.OF KAN.
 WELL NAME : PETERS"D"#2
 LOCATION : N/W 36-16S-26W
 STATE & COUNTY : KANSAS, NESS
 DATE OF TEST : 7-11-1995
 TEST INT. KB : 4504 to 4519
 TOTAL INTERVAL (ft) K.B. : 15.00
 ELEV. (GR) : 2594 (KB) : 2599
 FIELD :

ELEMENT SERIAL NO. : 11088
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES ----- CORR PSIG
Refer. depth : 4513.0 ft-kb			
-1:29 END FLOW	0.00	0.00	111.45
	1.00	91.00	113.68
	2.00	46.00	119.26
	3.00	31.00	127.06
	6.00	16.00	146.00
	9.00	11.00	158.26
	12.00	8.50	167.18
	15.00	7.00	177.21
	18.00	6.00	186.13
	21.00	5.29	195.04
	24.00	4.75	203.96
	27.00	4.33	211.76
	30.00	4.00	219.56
	33.00	3.73	225.14
	36.00	3.50	231.82
	39.00	3.31	239.63
	42.00	3.14	245.20
	45.00	3.00	250.77
	48.00	2.88	256.34
	51.00	2.76	260.80
	54.00	2.67	267.49
	57.00	2.58	273.06
	60.00	2.50	279.75
	63.00	2.43	286.44
	66.00	2.36	292.01
	69.00	2.30	297.58
	72.00	2.25	303.15
	75.00	2.20	309.84
	78.00	2.15	315.41
	81.00	2.11	319.87

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES, INC.

HORNER ANALYSIS

COMPANY : OIL PRODUCERS INC.OF KAN. WELL NAME : PETERS"D"#2
 DATE OF TEST : 7-11-1995 LOCATION : N/W 36-166-26W
 REFERENCE DEPTH : 4513.0 SERIAL NO. : 11028

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES ----- CORR PSIG
	84.00	2.07	324.33
	87.00	2.03	327.67
	89.00	2.01	331.02
-2:58 2ND SHUT-IN	0.00	0.00	331.02

SUPERIOR TESTERS ENTERPRISES INC.

DATA SUMMARY

COMPANY : OIL PRODUCERS INC.OF KAN. WELL NAME : PETERS"D"#2
 DATE OF TEST : 7-11-1995 LOCATION : N/W 36-16S-26W
 DST. NO : 1 SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

TRANSMISSIBILITY

Oil (md.ft/cp):	3.89
Gas (md.ft/cp):	0.00

EFFECTIVE PERMEABILITY

Oil (md):	.34
Gas (md):	0.00

TOTAL MOBILITY (md/cp):	.42
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TOTAL COMPRESSIBILITY (psi ⁻¹):	6.79E-06
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ESTIMATED DAMAGE RATIO:	.15
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CALCULATED DAMAGE RATIO:	.20
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Reservoir Temperature (F):	117.00
Formation Porosity :	.18
Formation Thickness (ft):	10.00
Wellbore Radius (in):	3.94
Reservoir Compressibility (psi ⁻¹):	4.80E-07
Calculated Skin Factor :	-3.16

PRODUCTION WITH DAMAGE REMOVED (bbl/D):	13.11
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PRODUCTIVITY INDEX (bbl/psi):	.03
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Final Flow Pressure (psi):	111.00
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APPROXIMATE RADIUS OF INVESTIGATION (ft):	23.27
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Total Flowing Time (min):	90.00
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EXTRAPOLATED RESERVOIR PRESSURE (psi):	497.00
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Slope of Build-up Curve (psi/log cycle):	548.53
Effective Producing Time (min):	90.00