

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-31-1995 Location 330' FNL 900' FWL Elevation 335'±31' W 2727' K.B County SEWARD

Company MUSTANG OIL & GAS CORPORATION Number of Copies 5

Charts Mailed to 100 South Main Suite 300 Wichita Kansas 67202

Drilling Contractor VAL Drilling Rio # 2

Length Drill Pipe 4118 I.D. Drill Pipe Ø 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 534 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 4668 Bottom Packer Depth 4673 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 4673 TO 4686 ANCHOR LENGTH 13 TOTAL DEPTH 4686 Hole Size 7 7/8"

LEASE & WELL NO. FLOYD Unit # 2 FORMATION TESTED KANSAS CITY TEST NO. 1

Mud Weight 9.1 Viscosity 51 Water Loss 10 1/4 Chlorides - Pits 2000 D.S.T. 57000

Maximum Temp. \_\_\_\_\_ °F Initial Hydrostatic Pressure (A) 2223 P.S.I. Final Hydrostatic Pressure (H) 2201 P.S.I.

Tool Open I.F.P. from 7:15 Pm to 7:45 Pm 30 min

Tool Closed I.C.I.P. from 7:45 Pm to 9:15 Pm 90 min

Tool Open F.F.P. from 9:15 Pm to 9:45 Pm 30 min

Tool Closed F.C.I.P. from 9:45 Pm to 10:30 Pm 30 1/2 min

from [B] <u>66</u> P.S.I. to [C] <u>78</u> P.S.I.
[D] <u>1395</u> P.S.I.
from [E] <u>89</u> P.S.I. to [F] <u>100</u> P.S.I.
[G] <u>1218</u> P.S.I.

Initial Blow VERY WEAK building blow built to 2 inches into the water

Final Blow no blow

Total Feet Recovered \_\_\_\_\_ Gravity of Oil \_\_\_\_\_ Corrected

5 Feet of Drilling mud % Gas \_\_\_\_\_ % Oil 1 % Mud \_\_\_\_\_ % Water

60 Feet of Slightly muddy water 0 % Gas SLIGHT TAKE % Oil 30 % Mud 70 % Water

60 Feet of VERY Slightly mud cut water 0 % Gas 0 % Oil 12 % Mud 88 % Water

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of 60 % water % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of SAMPLER RECOVERY: 1800 ml 40% mud % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of SAMPLER PRESSURE: 55# % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Remarks Electronic Recorder # 78225 Depth 4654

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

Top Recorder No. 47441 Clock No. 11087 Depth 4680 Cir. Sub NONE Sampler YES

Bottom Recorder No. 47442 Clock No. 11088 Depth 4683 Insurance NONE

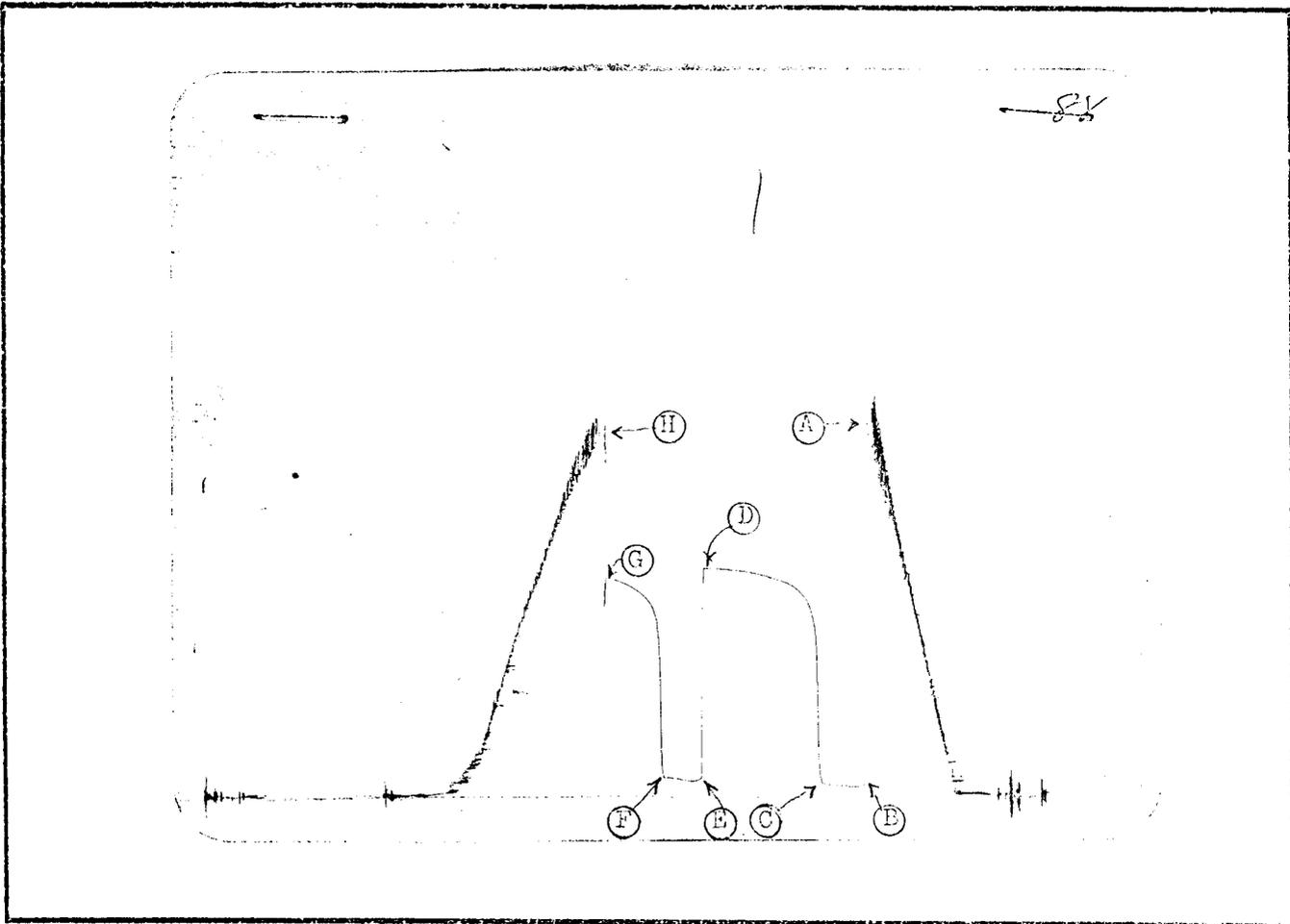
Price of Job \_\_\_\_\_

Tool Operator \_\_\_\_\_

Approved By \_\_\_\_\_

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.

NO 11362



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud .....	<u>2223</u>	<u>2219</u>	P.S.I.
(B) First Initial Flow Pressure .....	<u>66</u>	<u>75</u>	P.S.I.
(C) First Final Flow Pressure .....	<u>78</u>	<u>82</u>	P.S.I.
(D) Initial Closed-in Pressure .....	<u>1396</u>	<u>1395</u>	P.S.I.
(E) Second Initial Flow Pressure .....	<u>89</u>	<u>124</u>	P.S.I.
(F) Second Final Flow Pressure .....	<u>100</u>	<u>128</u>	P.S.I.
(G) Final Closed-in Pressure .....	<u>1218</u>	<u>1340</u>	P.S.I.
(H) Final Hydrostatic Mud .....	<u>2201</u>	<u>2212</u>	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
ADDRESS : 100 S.MAIN#300,WICHITA LOCATION : 330'PHL900'FWL 3-355-31W  
STATE & COUNTY : KANSAS,SEWARD FIELD :  
ELEV.(GR) : 2719 (KB) : 2727 TEST DATE : 8-31-1975

EQUIPMENT AND HOLE DATA

FORMATION TESTED : KANSAS CITY DRILL PIPE LENGTH(ft) : 4118  
TEST INT. KB : 4673 to 4686 DRILL PIPE O.D.(in) : 3.82  
ANCHOR LENGTH(ft) : 13 WEIGHT PIPE LENGTH(ft) :  
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75  
TOTAL DEPTH(ft-kg) : 4686 DRILL COLLAR LENGTH(ft) : 534  
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR O.D.(in) : 2.259  
MUD WEIGHT : 9.1 TOP PACKER DEPTH(kb) : 4668  
MUD VISCOSITY : 51 BOTTOM PACKER DEPTH(kb) : 4673  
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 CUT : No  
RESERVOIR TEMPERATURE(F) : 0 TEST TICKET NUMBER : 11362

EXTRA EQUIPMENT : -JARS -SAFETY JOINT -SAMPLER

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

SURFACE BLOW

1st Opening : VERY WEAK BLOW BUILT TO 2 INCHES  
2nd Opening : NO BLOW

RECOVERY

Recovered 5 feet of DRILLING MUD  
Recovered 60 feet of SLIGHTLY MUDDY WATER  
Recovered 60 feet of VERY SLIGHTLY MUD CUT WATER

REMARKS :

SAMPLER RECOVERY:1800 ML 60%WATER 40% MUD CHLORIDES 57000  
SAMPLER PRESSURE:55 POUNDS

WITNESSED BY : DOUG DAVIS TOOL OPERATOR : GENE RUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
 DATE OF TEST : 8-31-1995 LOCATION : 330'FNL900'FWL 3-35B-31W  
 DEPTH : 4680.0 SERIAL NO. : 1108B

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:1					
Depth : 4680.0 ft-kb					
- 0:00	0.0	2.007	2219.46	1.29	2219.75
-1ST HYDROSTATIC	0.0	2.027	2240.52	1.37	2241.89
-7:15 1ST FLOW	0.0	.068	79.88	-4.09	75.79
- 7:20	5.0	.057	67.75	-4.22	63.53
- 7:25	10.0	.059	69.95	-4.19	65.76
- 7:30	15.0	.061	72.16	-4.17	67.99
- 7:35	20.0	.065	76.57	-4.13	72.45
- 7:40	25.0	.067	78.78	-4.10	74.67
- 7:46	31.0	.074	86.50	-4.02	82.48
-7:45 END FLOW	0.0	.074	86.50	-4.02	82.48
- 7:48	3.0	.292	326.94	-1.49	325.45
- 7:51	6.0	.958	1061.49	.63	1062.11
- 7:54	9.0	1.043	1155.24	.68	1155.91
- 7:57	12.0	1.091	1208.18	.77	1208.94
- 8:00	15.0	1.119	1239.06	.82	1239.88
- 8:03	18.0	1.140	1262.22	.86	1263.08
- 8:06	21.0	1.158	1282.07	.89	1282.96
- 8:09	24.0	1.171	1296.41	.91	1297.32
- 8:12	27.0	1.182	1308.54	.93	1309.48
- 8:15	30.0	1.190	1317.37	.95	1318.31
- 8:18	33.0	1.197	1325.09	.96	1326.05
- 8:21	36.0	1.204	1332.81	.97	1333.79
- 8:24	39.0	1.209	1338.32	.98	1339.30
- 8:27	42.0	1.217	1347.15	1.00	1348.14
- 8:30	45.0	1.221	1351.56	1.00	1352.56
- 8:33	48.0	1.226	1357.07	1.01	1358.09
- 8:36	51.0	1.233	1364.79	1.03	1365.82
- 8:39	54.0	1.236	1368.10	1.03	1369.13
- 8:42	57.0	1.241	1373.62	1.04	1374.66
- 8:45	60.0	1.243	1375.82	1.04	1376.87
- 8:48	63.0	1.245	1378.03	1.05	1379.08
- 8:51	66.0	1.247	1380.23	1.05	1381.29
- 8:54	69.0	1.249	1382.44	1.06	1383.50
- 8:57	72.0	1.252	1385.75	1.06	1386.81
- 9:00	75.0	1.253	1386.85	1.06	1387.91
- 9:03	78.0	1.254	1387.95	1.06	1389.02

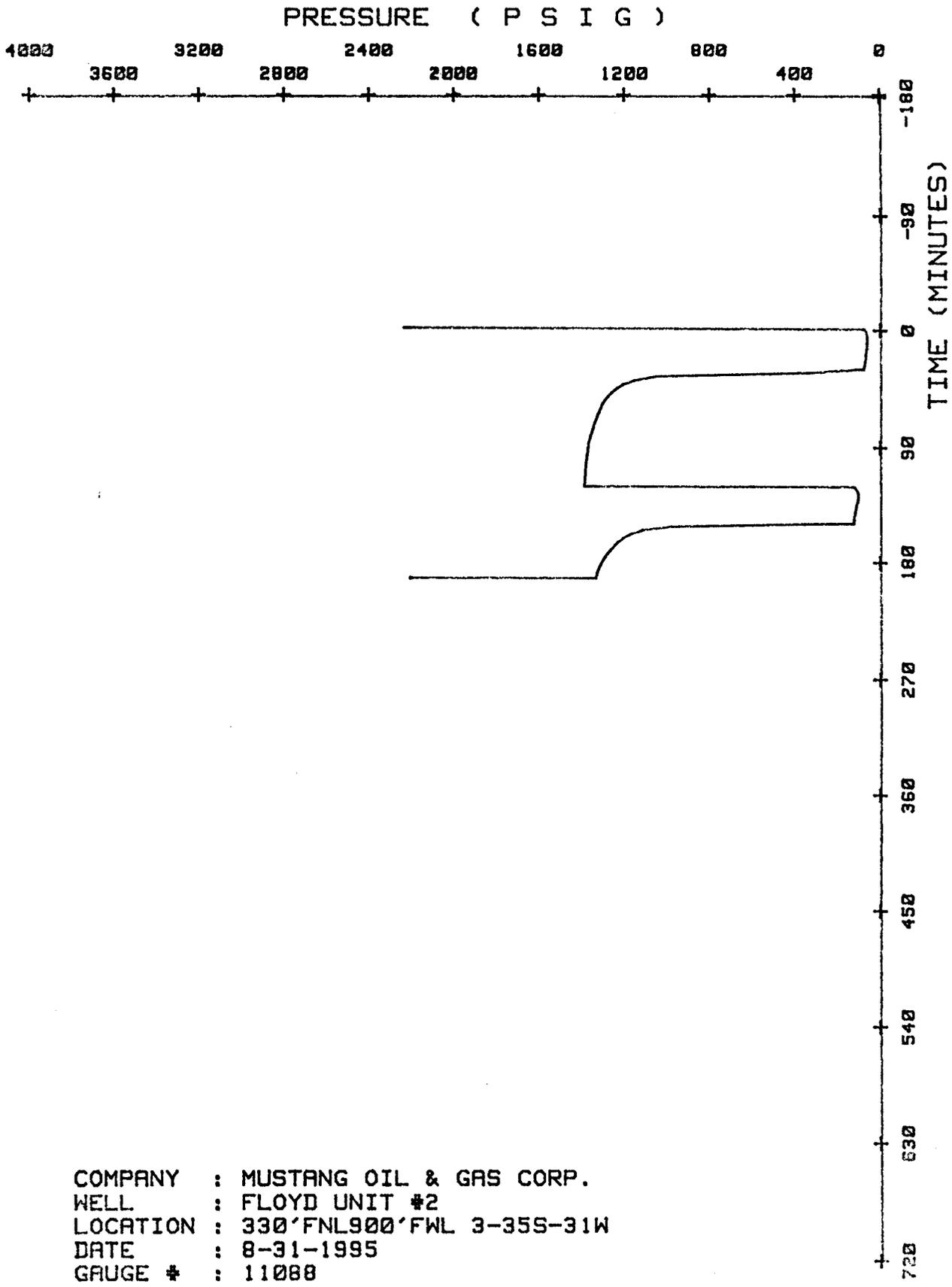
- 9:00	81.0	1.250	1387.00	1.07	1379.12
- 9:09	84.0	1.256	1390.16	1.07	1391.23
- 9:12	87.0	1.257	1391.26	1.07	1392.33
- 9:15	90.0	1.260	1394.57	1.08	1395.65

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
DATE OF TEST : 8-31-1995 LOCATION : 330'FHL900'FWL 3-358-31W  
DEPTH : 4680.0 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	----- CORRECTED
TEST NO.: 1					
-9:16 1ST SHUT-IN	0.0	1.260	1394.57	1.08	1395.65
-9:16 2ND FLOW	0.0	.112	128.41	-3.58	124.83
- 9:21	5.0	.096	110.76	-3.77	107.00
- 9:26	10.0	.096	110.76	-3.77	107.00
- 9:31	15.0	.104	119.58	-3.67	115.91
- 9:36	20.0	.110	126.20	-3.60	122.60
- 9:41	25.0	.115	131.72	-3.54	128.17
- 9:45	29.0	.115	131.72	-3.54	128.17
-9:45 END FLOW	0.0	.115	131.72	-3.54	128.17
- 9:48	3.0	.885	980.97	.67	981.65
- 9:51	6.0	1.011	1119.94	.62	1120.56
- 9:54	9.0	1.061	1175.09	.71	1175.80
- 9:57	12.0	1.093	1210.38	.77	1211.15
- 10:00	15.0	1.115	1234.65	.81	1235.46
- 10:03	18.0	1.132	1253.40	.84	1254.24
- 10:06	21.0	1.146	1268.84	.87	1269.70
- 10:09	24.0	1.160	1284.28	.89	1285.17
- 10:12	27.0	1.172	1297.51	.91	1298.43
- 10:15	30.0	1.183	1309.65	.93	1310.58
- 10:18	33.0	1.191	1318.47	.95	1319.42
- 10:21	36.0	1.199	1327.29	.96	1328.26
- 10:24	39.0	1.206	1335.01	.98	1335.99
- 10:27	42.0	1.209	1338.32	.98	1339.30
- 10:28	43.0	1.211	1340.53	.99	1341.51
-10:28 2ND SHUT-IN	0.0	1.211	1340.53	.99	1341.51
-2ND HYDROSTATIC	0.0	2.000	2210.74	1.26	2212.00



COMPANY : MUSTANG OIL & GAS CORP.  
 WELL : FLOYD UNIT #2  
 LOCATION : 330'FNL900'FWL 3-35S-31W  
 DATE : 8-31-1995  
 GAUGE # : 11088

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 9-1-1995 Location 330' FNL 900 FNL 335<sup>531</sup> Elevation 2271' B. County Sevier

Company Mustang Oil & Gas Corporation Number of Copies 5

Charts Mailed to 100 South Main Suite 300 Wichita Kansas 67202

Drilling Contractor VAL Drilling Rig #2

Length Drill Pipe 4328 I.D. Drill Pipe 2.25 3.50 Tool Joint Size 4 1/2" X 1 1/2"

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

Length Drill Collars 534 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"

Top Packer Depth 4886 Bottom Packer Depth 4891 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 4891 TO 4908 ANCHOR LENGTH 17 TOTAL DEPTH 4908 Hole Size 7 1/2"

LEASE & WELL NO. FLOYD Unit #2 FORMATION TESTED KANSAS CITY TEST NO. 2

Mud Weight 9.3 Viscosity 46 Water Loss 10.4 Chlorides - Pits 3000 D.S.T. 19000

Maximum Temp. \_\_\_\_\_ °F Initial Hydrostatic Pressure (A) 2289 P.S.I. Final Hydrostatic Pressure (H) 2267 P.S.I.

Tool Open I.F.P. from 9:50 P.m to 10:20 P.m 30 min

Tool Closed I.C.I.P. from 10:20 P.m to 10:50 P.m 30 min

Tool Open F.F.P. from 10:50 P.m to 11:20 P.m 30 min

Tool Closed F.C.I.P. from 11:20 P.m to 11:50 P.m 30 min

from [B] <u>78</u> P.S.I. to [C] <u>55</u> P.S.I.
[D] <u>1196</u> P.S.I.
from [E] <u>66</u> P.S.I. to [F] <u>66</u> P.S.I.
[G] <u>1163</u> P.S.I.

Initial Blow VERY WEAK blow 12 minute & DIED - FLUSHED Tool - Good Success next

Final Blow No blow 9 blow for 4 minutes & DIED

Total Feet Recovered 15 Gravity of Oil \_\_\_\_\_ Corrected \_\_\_\_\_

15 Feet of HEAVY MUD 10% Gas 1% Oil 60% Mud 25% 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 SAMPLER RECOVERY @ 1800 ML 4 % Gas 1 % Oil 50 % Mud 45 % Water

Feet of SAMPLER PRESSURE @ 25 % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Remarks ELECTRONIC RECORDER # 78225 Depth 4902

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

Top Recorder No. 11088 Clock No. 47441 Depth 4892 Cir. Sub NONE Sampler YES

Bottom Recorder No. 11087 Clock No. 47442 Depth 4905 Insurance NONE

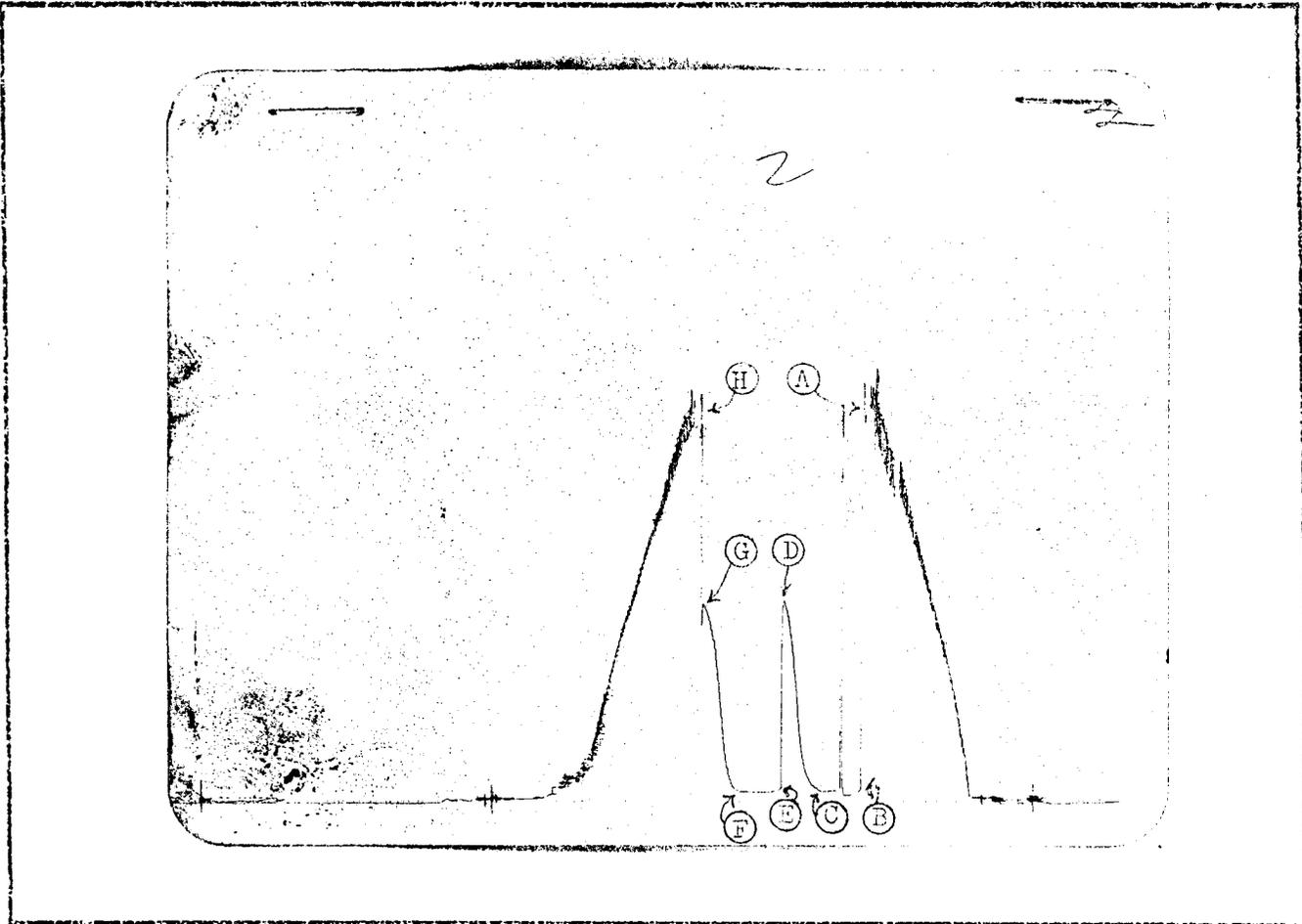
Price of Job \_\_\_\_\_

Tool Operator Gane Audig

Approved By \_\_\_\_\_

No 11363

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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud .....	2289	2333	P.S.I.
(B) First Initial Flow Pressure .....	78	70	P.S.I.
(C) First Final Flow Pressure .....	55	61	P.S.I.
(D) Initial Closed-in Pressure .....	1196	1201	P.S.I.
(E) Second Initial Flow Pressure .....	66	84	P.S.I.
(F) Second Final Flow Pressure .....	66	61	P.S.I.
(G) Final Closed-in Pressure .....	1163	1186	P.S.I.
(H) Final Hydrostatic Mud .....	2267	2304	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLUYS UNIT #2  
ADDRESS : 100 S.MAIN#300,WICHITA LOCATION : 330' PL 900' TWL 3-458-31W  
STATE & COUNTY : KANSAS,SEWARD FIELD :  
ELEV.(GR) : 2719 (KB) : 2727 TEST DATE : 9-1-1995

EQUIPMENT AND HOLE DATA

FORMATION TESTED : KANSAS CITY-IOCLA DRILL PIPE LENGTH(ft) : 4328  
TEST INT. KB : 4891 to 4908 DRILL PIPE I.D.(in) : 3.82  
ANCHOR LENGTH(ft) : 17 WEIGHT PIPE LENGTH(lb) :  
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75  
TOTAL DEPTH(ft-kg) : 4908 DRILL COLLAR LENGTH(ft) : 534  
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.25V  
MUD WEIGHT : 9.3 TOP PACKER DEPTH(kb) : 4886  
MUD VISCOSITY : 46 BOTTOM PACKER DEPTH(kb) : 4891  
MUD CHLORIDES : 3000 DUAL PACKERS :  
SURFACE CHOKE : 3/4 PACKER SIZE(in) : 6 3/4  
BOTTOM CHOKE(in) : 3/4 PACKER HOLD : 2ss  
TOOL SIZE(O.D.) : 5 1/2 TOOL PLUS : No  
TOOL JOINT SIZE(F.H.) : 4 1/2 REVERSED OUT : No  
RESERVOIR TEMPERATURE(F) : 0 TEST TICKET NUMBER : 11887

EXTRA EQUIPMENT : -JARS -SAFETY JOINT -SAMPLER

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

SURFACE BLOW

1st Opening : VERY WEAK BLOW FOR 12 MINUTRS AND DIED  
2nd Opening : NO BLOW

RECOVERY

Recovered 15 feet of HEAVY MUD WITH A SHOW OF OIL AND GAS

REMARKS :

SAMPLER RECOVERY:1899 ML %GAS 1%OIL 50%MUD 45%WATER-CHLORIDES 19000  
SAMPLER PRESSURE:25 POUNDS

WITNESSED BY : DOUG DAVIS TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

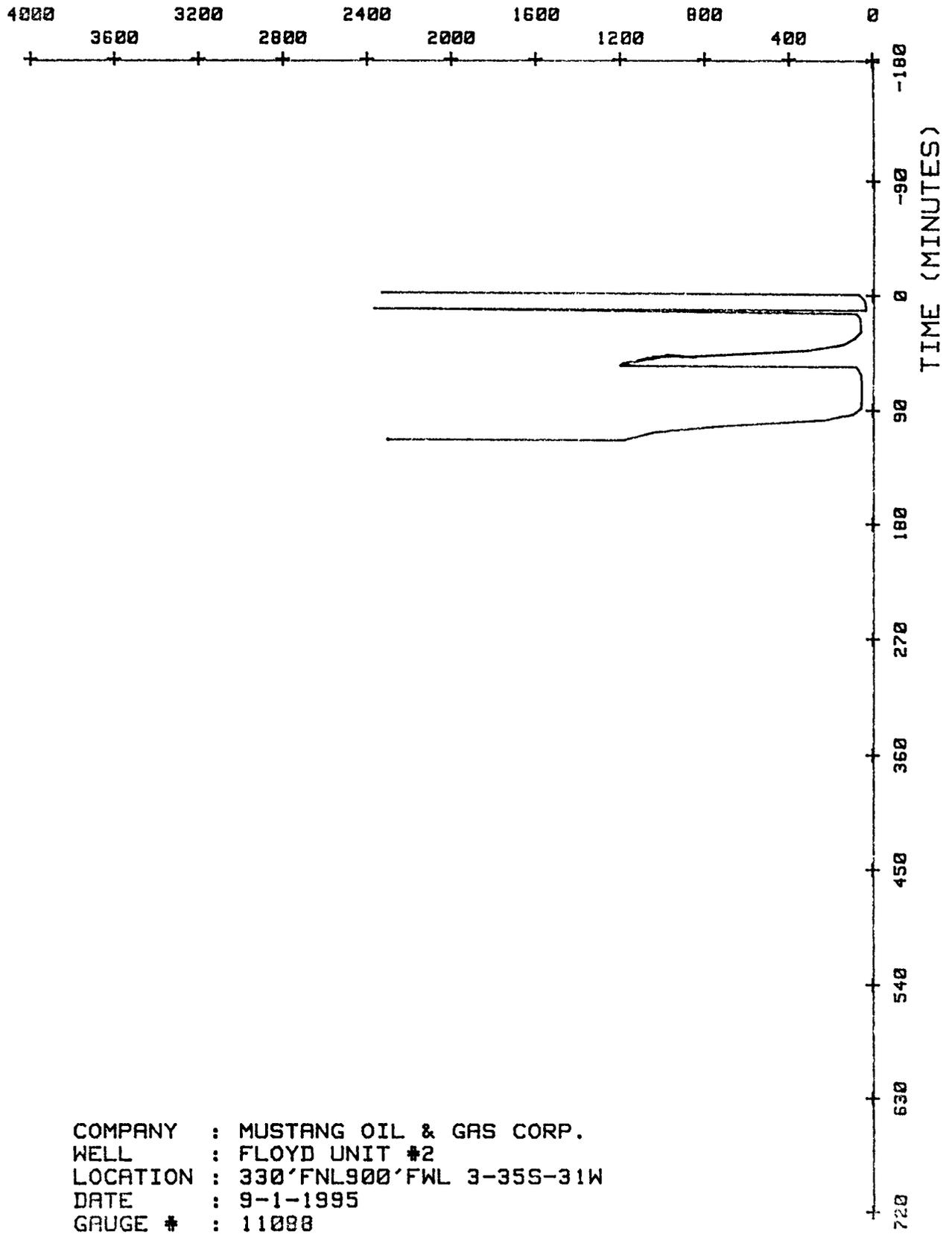
SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOOD UNIT #2  
 DATE OF TEST : 9-1-1995 LOCATION : 3301M 900 F#L 3-31S-31W  
 DEPTH : 4892.0 SERIAL NO. : 11033

COMMENTS	TIME min	D.F.L. in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.: 2					
Depth : 4892.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.110	2332.04	1.70	2333.77
- 9:50 1ST FLOW	0.0	.063	74.25	-4.15	70.35
- 9:55	5.0	.040	49.00	-4.12	44.58
- 10:00	10.0	.035	43.40	-4.47	37.01
- 10:03	13.0	.035	43.48	-4.47	39.01
- 10:03	13.0	2.146	2371.77	1.85	2373.62
- 10:06	16.0	.075	37.50	-4.01	33.59
- 10:10	20.0	.058	68.25	-4.21	64.64
- 10:15	25.0	.056	66.64	-4.23	62.41
- 10:20	30.0	.055	65.54	-4.24	61.30
-10:20 END FLDW	0.0	.055	65.54	-4.24	61.30
- 10:25	5.0	.084	97.53	-3.90	93.62
- 10:30	10.0	.132	150.47	-3.35	147.12
- 10:35	15.0	.297	332.45	1.43	331.02
- 10:40	20.0	.788	873.99	1.74	874.73
- 10:35	15.0	1.009	1116.63	1.61	1117.25
- 10:47	27.0	1.084	1200.46	1.75	1201.21
-10:47 1ST SHUT-IN	0.0	1.084	1200.46	1.75	1201.21
-10:47 2ND FLOW	0.0	.076	88.70	-4.00	84.71
- 10:52	5.0	.056	66.64	-4.13	63.41
- 10:57	10.0	.052	62.23	-4.28	57.96
- 11:02	15.0	.051	61.13	-4.29	56.84
- 11:07	20.0	.052	62.23	-4.28	57.96
- 11:12	25.0	.052	62.23	-4.28	57.96
- 11:19	32.0	.055	65.54	-4.24	61.30
-11:19 END FLOW	0.0	.055	65.54	-4.24	61.30
- 11:24	5.0	.090	104.14	-3.83	100.31
- 11:29	10.0	.229	257.45	-2.32	255.23
- 11:34	15.0	.650	721.78	1.83	722.61
- 11:39	20.0	.946	1048.25	1.63	1048.09
- 11:44	25.0	1.052	1165.16	1.67	1165.86
- 11:45	26.0	1.071	1186.12	1.73	1186.85
-11:45 2ND SHUT-IN	0.0	1.071	1186.12	1.73	1186.85
- 11:45	0.0	2.083	2302.28	1.59	2303.88
-2ND HYDROSTATIC	0.0	2.084	2303.39	1.50	2304.99

2

PRESSURE ( P S I G )



COMPANY : MUSTANG OIL & GAS CORP.  
WELL : FLOYD UNIT #2  
LOCATION : 330'FNL900'FWL 3-35S-31W  
DATE : 9-1-1995  
GAUGE # : 11088

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 9-2-1995 Location 330 FNL 900 FNL 335<sup>31</sup> W Elevation 2727 AB County SEWARD

Company MUSTANG Oil & Gas Corporation Number of Copies 5

Charts Mailed to 100 South MAIN Suite 300 Wichita Kansas 67202

Drilling Contractor VAL Drilling Rig #2

Length Drill Pipe 4347 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 1 1/2"

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

Length Drill Collars 534 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"

Top Packer Depth 4910 Bottom Packer Depth 4925 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 4915 TO 4924 ANCHOR LENGTH 9 TOTAL DEPTH 4921 Hole Size 7 7/8"

LEASE & WELL NO. FLOYD ~~Drilling~~ Unit #2 FORMATION TESTED KANSAS C.H. - MUD TEST NO. 3

Mud Weight 9.4 Viscosity 56 Water Loss 9.9 Chlorides - Pits 3200 D.S.T. 87000

Maximum Temp. 120 °F Initial Hydrostatic Pressure (A) 2411 P.S.I. Final Hydrostatic Pressure (H) 2389 P.S.I.

Tool Open I.F.P. from 12:30 Pm to 12:40 Pm 10 min

Tool Closed I.C.I.P. from 12:40 Pm to 1:10 Pm 30 min

Tool Open F.F.P. from 1:10 Pm to 1:45 Pm 35 min

Tool Closed F.C.I.P. from 1:45 Pm to 3:05 Pm 80 min

Initial Blow FAIR blow built to the bottom of a 5 Gallon bucket in 3 minutes

Final Blow Fresh Good blow bottom of the bucket in 1 1/2 minutes - Gas to surface 27 in.

Total Feet Recovered 585 Gravity of Oil 21 1/2 Corrected

225 Feet of CLEAN Gassy oil 20 % Gas 80 % Oil 0 % Mud 0 % Water

120 Feet of Gassy muddy oil 40 % Gas 20 % Oil 30 % Mud 10 % Water

60 Feet of Gassy oil cut muddy water 15 % Gas 5 % Oil 15 % Mud 35 % Water

60 Feet of VERY SLIGHTLY oil cut muddy water 0 % Gas 2 % Oil 15 % Mud 30 % Water

120 Feet of WATER with a SLIGHT trace of oil 0 % Gas SLIGHT % Oil 2 % Mud 98 % Water

Feet of 200 ml GAS % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of 500 ml OIL % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of SAMPLER Recoverys 1800 ml 1100 ml water % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of SAMPLER Pressure: 250 % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Remarks \_\_\_\_\_

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

Top Recorder No. 28225 Clock No. ELECTRONIC Depth 4905 Cir. Sub NONE Sampler YES

Bottom Recorder No. 11088 Clock No. 47441 Depth 4912 Insurance NONE

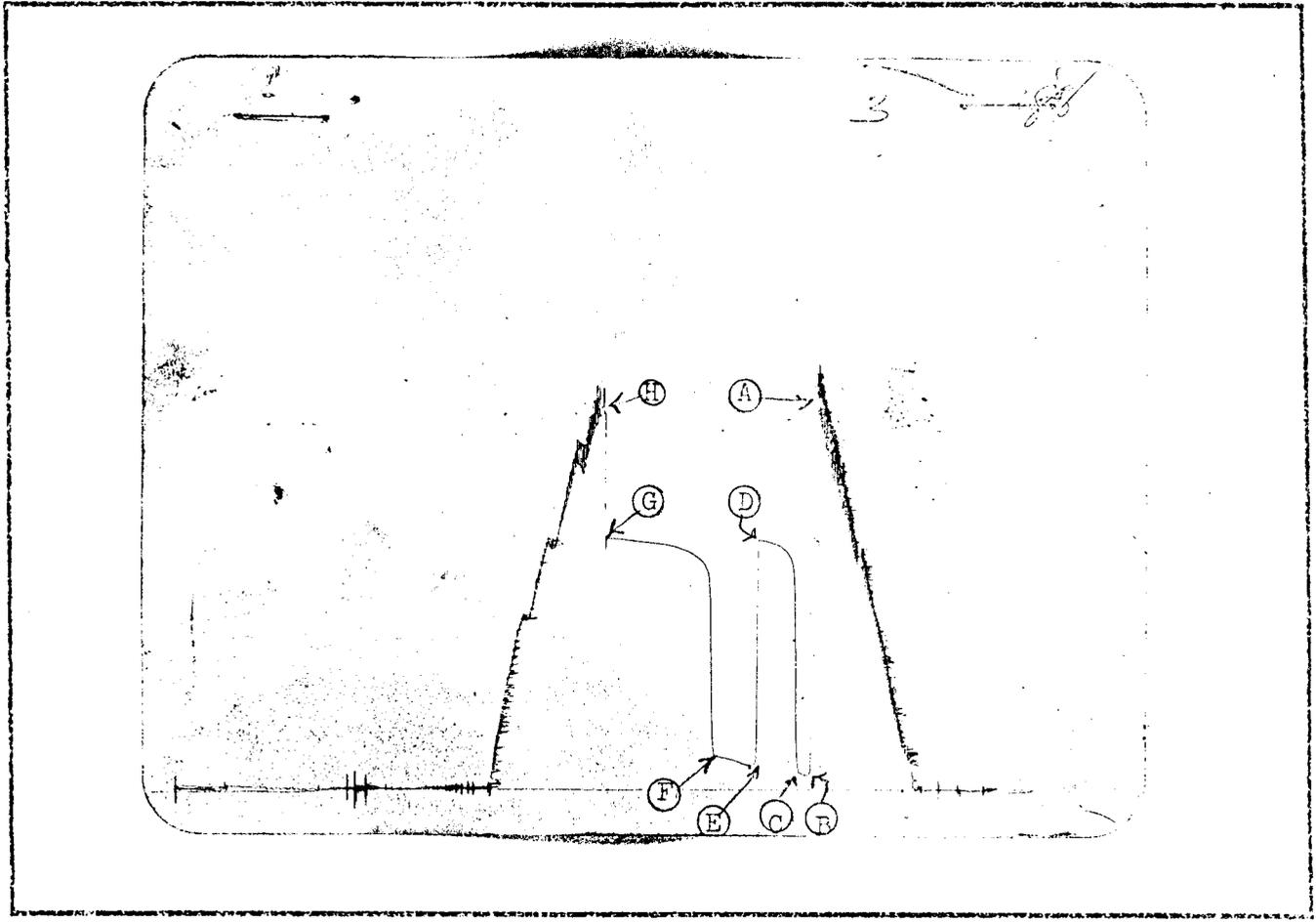
Price of Job \_\_\_\_\_

Tool Operator Hans Ludwig

Approved By \_\_\_\_\_

No. 11364

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.



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud .....	<u>2411</u>	<u>2405</u>	P.S.I.
(B) First Initial Flow Pressure .....	<u>89</u>	<u>110</u>	P.S.I.
(C) First Final Flow Pressure .....	<u>100</u>	<u>107</u>	P.S.I.
(D) Initial Closed-in Pressure .....	<u>1495</u>	<u>1488</u>	P.S.I.
(E) Second Initial Flow Pressure .....	<u>133</u>	<u>164</u>	P.S.I.
(F) Second Final Flow Pressure .....	<u>200</u>	<u>205</u>	P.S.I.
(G) Final Closed-in Pressure .....	<u>1495</u>	<u>1496</u>	P.S.I.
(H) Final Hydrostatic Mud .....	<u>2389</u>	<u>2273</u>	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
 ADDRESS : 100 S.MAIN#300,WICHITA LOCATION : 330THL900FWL 3-356-01W  
 STATE & COUNTY : KANSAS,SEWARD FIELD :  
 ELEV.(GR) : 2719 (KB) : 2727 TEST DATE : 9-2-1995

EQUIPMENT AND HOLE DATA

FORMATION TESTED : KANSAS CITY-DRUM DRILL PIPE LENGTH(ft) : 4347  
 TEST INT. KB : 4915 to 4924 DRILL PIPE O.D.(in) : 3.82  
 ANCHOR LENGTH(ft) : 9 WEIGHT PIPE LENGTH(ft) :  
 TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75  
 TOTAL DEPTH(ft-kg) : 4924 DRILL COLLAR LENGTH(ft) : 534  
 MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259  
 MUD WEIGHT : 9.2 TOP PACKER DEPTH(kb) : 4910  
 MUD VISCOSITY : 56 BOTTOM PACKER DEPTH(kb) : 4915  
 MUD CHLORIDES : 32000 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 PLUS : No  
 TOOL JOINT SIZE(F.H.) : 4 1/2 REVERSED OUT : No  
 RESERVOIR TEMPERATURE(F) : 120 TEST TICKET NUMBER : 11364

EXTRA EQUIPMENT : -JARS -SAFETY JOINT -SAMPLER

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

SURFACE BLOW

1st Opening : FAIR BLOW BOTTOM OF THE BUCKET IN 3 MINUTES  
 2nd Opening : GOOD BLOW -GAS TO SURFACE IN 27 MINUTES

RECOVERY

Recovered 225 feet of CLEAN GASSY OIL  
 Recovered 120 feet of GASSY MUDDY OIL  
 Recovered 60 feet of GASSY OIL CUT MUDDY WATER  
 Recovered 60 feet of VERY SLIGHTLY OIL CUT MUDDY WATER  
 Recovered 120 feet of WATER WITH A SLIGHT TRACE OF OIL

REMARKS :

SAMPLER RECOVERY:ML 200MLGAS 500MLOIL 1100MLWATER -CHLORIDES 89000  
 SAMPLER PRESSURE:250 POUNDS

WITNESSED BY : DOUG DAVIS TOOL OPERATOR : GENE RUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
 DATE OF TEST : 9-2-1995 LOCATION : 3307 N. 200' ERL. 3-35S-31W  
 DEPTH : 4905.0 SERIAL NO. : 11083

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.: 3					
Depth : 4905.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.175	2403.75	-1.97	2405.72
-12:30 1ST FLOW	0.0	.099	114.07	-3.73	110.34
- 12:31	1.0	.089	103.06	-3.85	99.21
- 12:32	2.0	.083	76.42	-3.92	92.51
- 12:34	4.0	.082	93.37	-3.93	91.44
- 12:36	6.0	.087	100.81	-3.87	96.94
- 12:39	9.0	.096	110.76	-3.77	107.00
-12:39 END FLOW	0.0	.096	110.76	-3.77	107.00
- 12:42	3.0	1.173	1298.52	-1.92	1299.53
- 12:45	6.0	1.254	1387.95	-1.06	1389.02
- 12:48	9.0	1.284	1421.04	-1.17	1422.16
- 12:51	12.0	1.305	1444.20	-1.16	1445.36
- 12:54	15.0	1.315	1455.23	-1.18	1456.41
- 12:57	18.0	1.323	1464.06	-1.19	1465.25
- 13:00	21.0	1.331	1472.89	-1.21	1474.09
- 13:03	24.0	1.336	1478.40	-1.21	1479.61
- 13:06	27.0	1.341	1483.91	-1.22	1485.13
- 13:09	30.0	1.344	1487.22	-1.23	1488.45
-1:09 1ST SHUT-IN	0.0	1.344	1487.22	-1.23	1488.45
- 1:11	2.0	.148	168.11	-3.16	164.95
-1:09 2ND FLOW	0.0	.148	168.11	-3.16	164.95
- 1:13	4.0	.133	151.57	-3.34	148.23
- 1:14	5.0	.133	151.57	-3.34	148.23
- 1:19	10.0	.139	158.19	-3.27	154.92
- 1:24	15.0	.155	175.83	-3.08	172.75
- 1:29	20.0	.166	187.97	-2.95	185.01
- 1:34	25.0	.173	195.69	-2.87	192.82
- 1:40	31.0	.184	207.82	-2.74	205.08
-1:41 END FLOW	0.0	.184	207.82	-2.74	205.08
- 1:44	3.0	1.089	1205.97	-1.75	1206.73
- 1:47	6.0	1.190	1317.37	-1.95	1318.31
- 1:50	9.0	1.229	1360.38	-1.02	1361.40
- 1:53	12.0	1.246	1379.13	-1.05	1380.18
- 1:56	15.0	1.262	1396.78	-1.08	1397.86
- 1:59	18.0	1.276	1412.27	-1.10	1413.32
- 2:02	21.0	1.285	1422.15	-1.12	1423.27
- 2:05	24.0	1.293	1430.97	-1.14	1432.10
- 2:08	27.0	1.302	1440.90	-1.15	1442.05
- 2:11	30.0	1.308	1447.51	-1.16	1448.68
- 2:14	33.0	1.314	1454.13	-1.17	1455.20

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

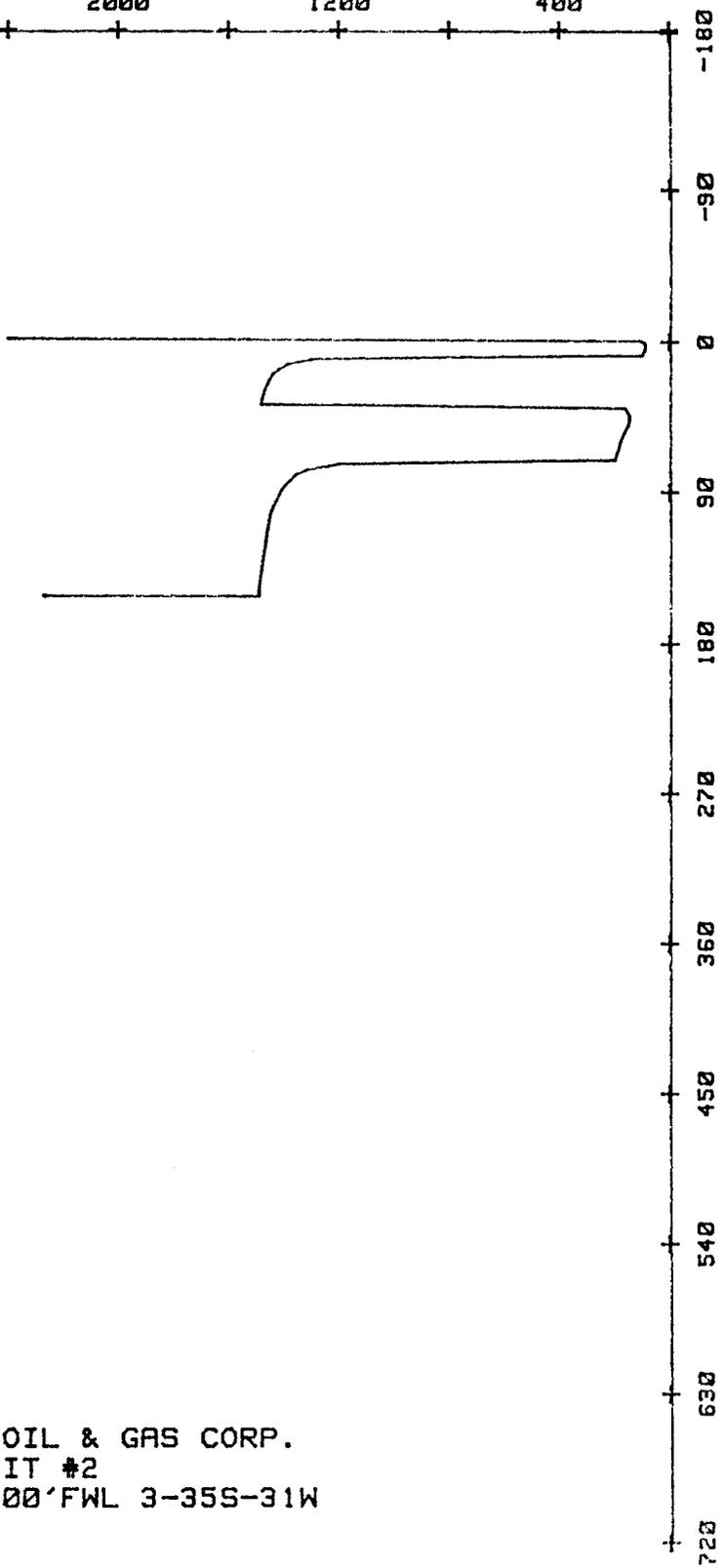
COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
 DATE OF TEST : 9-2-1995 LOCATION : 330 FNL900 PHL 3-353-414  
 DEPTH : 4905.0 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CONNECTED
TEST NO.: 3					
- 2:17	36.0	1.317	1457.44	1.18	1458.62
- 2:20	39.0	1.320	1460.78	1.18	1461.96
- 2:23	42.0	1.323	1464.03	1.19	1465.25
- 2:26	45.0	1.325	1466.26	1.19	1467.45
- 2:29	48.0	1.328	1469.57	1.20	1470.77
- 2:32	51.0	1.330	1471.79	1.20	1472.98
- 2:35	54.0	1.332	1473.98	1.21	1475.19
- 2:38	57.0	1.336	1478.40	1.21	1479.61
- 2:41	60.0	1.338	1480.60	1.22	1481.82
- 2:44	63.0	1.341	1483.91	1.22	1485.13
- 2:47	66.0	1.343	1486.12	1.23	1487.34
- 2:50	69.0	1.346	1489.42	1.23	1490.66
- 2:53	72.0	1.348	1491.63	1.24	1492.87
- 2:56	75.0	1.350	1493.84	1.24	1495.08
- 2:59	78.0	1.350	1493.84	1.24	1495.08
- 3:02	81.0	1.351	1494.94	1.24	1496.18
-3:03 2ND SHUT-IN	0.0	1.351	1494.94	1.24	1496.18
-2ND HYDROSTATIC	0.0	2.056	2272.51	1.49	2273.99

PRESSURE ( P S I G )

4000 3600 3200 2800 2400 2000 1600 1200 800 400 0

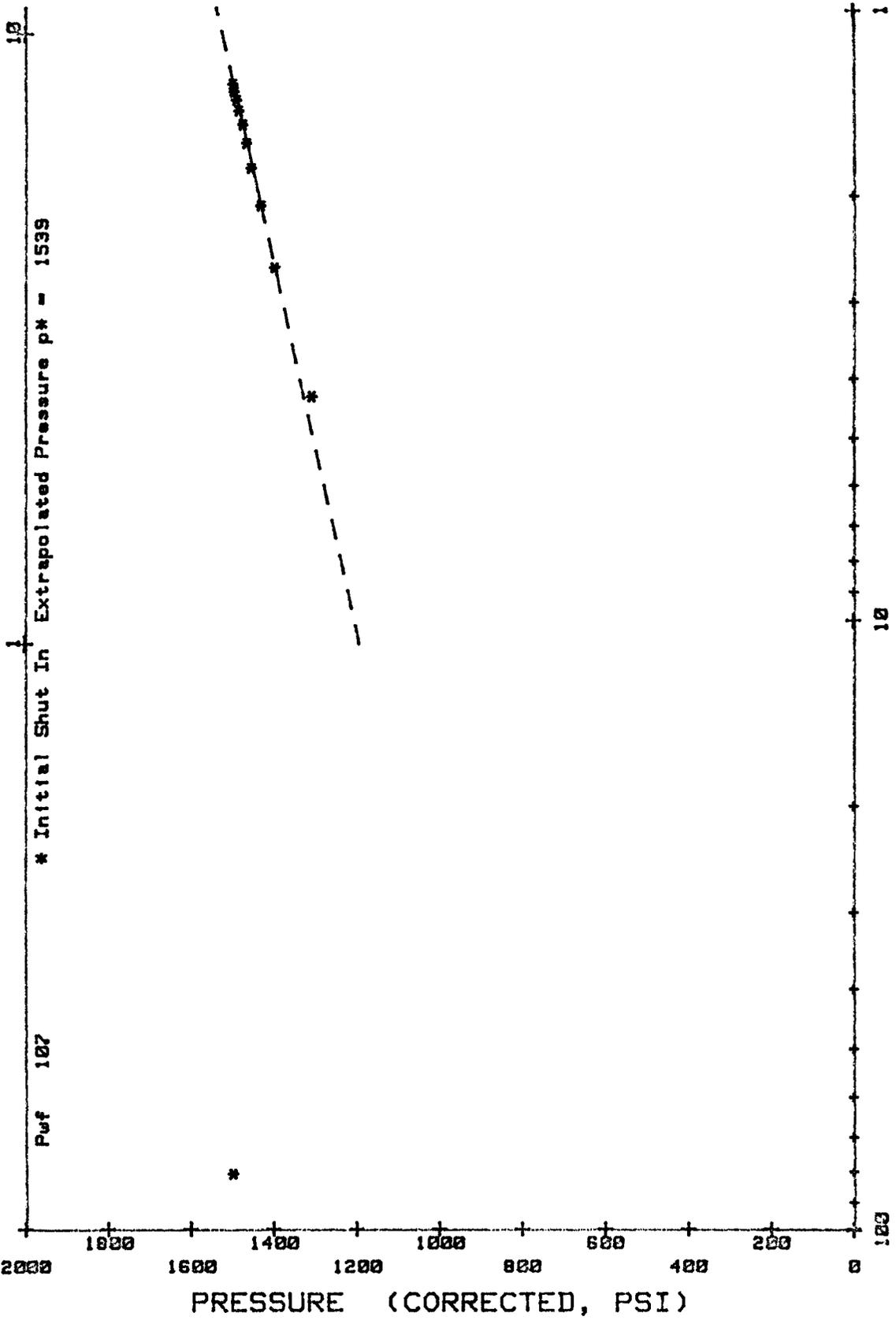
TIME (MINUTES)



COMPANY : MUSTANG OIL & GAS CORP.  
WELL : FLOYD UNIT #2  
LOCATION : 330'FNL900'FWL 3-35S-31W  
DATE : 9-2-1995  
GAUGE # : 11088

GAUGE # : 11008

LOCATION : 330'FNL900'FWL 3-35S-31W DATE : 9-2-1995



SUPERIOR TESTERS ENTERPRISES INC.

HORNER ANALYSIS

COMPANY : MUSTANG OIL & GAS CORP.  
 WELL NAME : FLOYD UNIT #2  
 LOCATION : 330 FNL900 FWL 3-35S-31W  
 STATE & COUNTY : KANSAS, SEWARD  
 DATE OF TEST : 9-2-1995  
 TEST INT. KB : 4915 to 4924  
 TOTAL INTERVAL (ft) K.B. : 9.00  
 ELEV. (GR) : 2719 (KB) : 2727  
 FIELD :

ELEMENT SERIAL NO. : 11088  
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES COFR PSIG
Refer. depth :	4905.0 ft-kb		
-12:39 END FLOW	0.00	0.00	107.00
	3.00	4.33	1307.36
	6.00	2.67	1397.63
	9.00	2.11	1431.07
	12.00	1.83	1454.47
	15.00	1.67	1465.62
	18.00	1.56	1474.54
	21.00	1.48	1483.45
	24.00	1.42	1489.03
	27.00	1.37	1494.60
	30.00	1.33	1497.94
-1:09 1ST SHUT-IN	0.00	0.00	1497.94
	2.00	6.00	164.95

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES INC.

D A T A S U M M A R Y

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
DATE OF TEST : 9-2-1995 LOCATION : 330'FNL900'FWL 3-358-31W  
DST. NO : 3 SHUT-IN PERIOD : 1

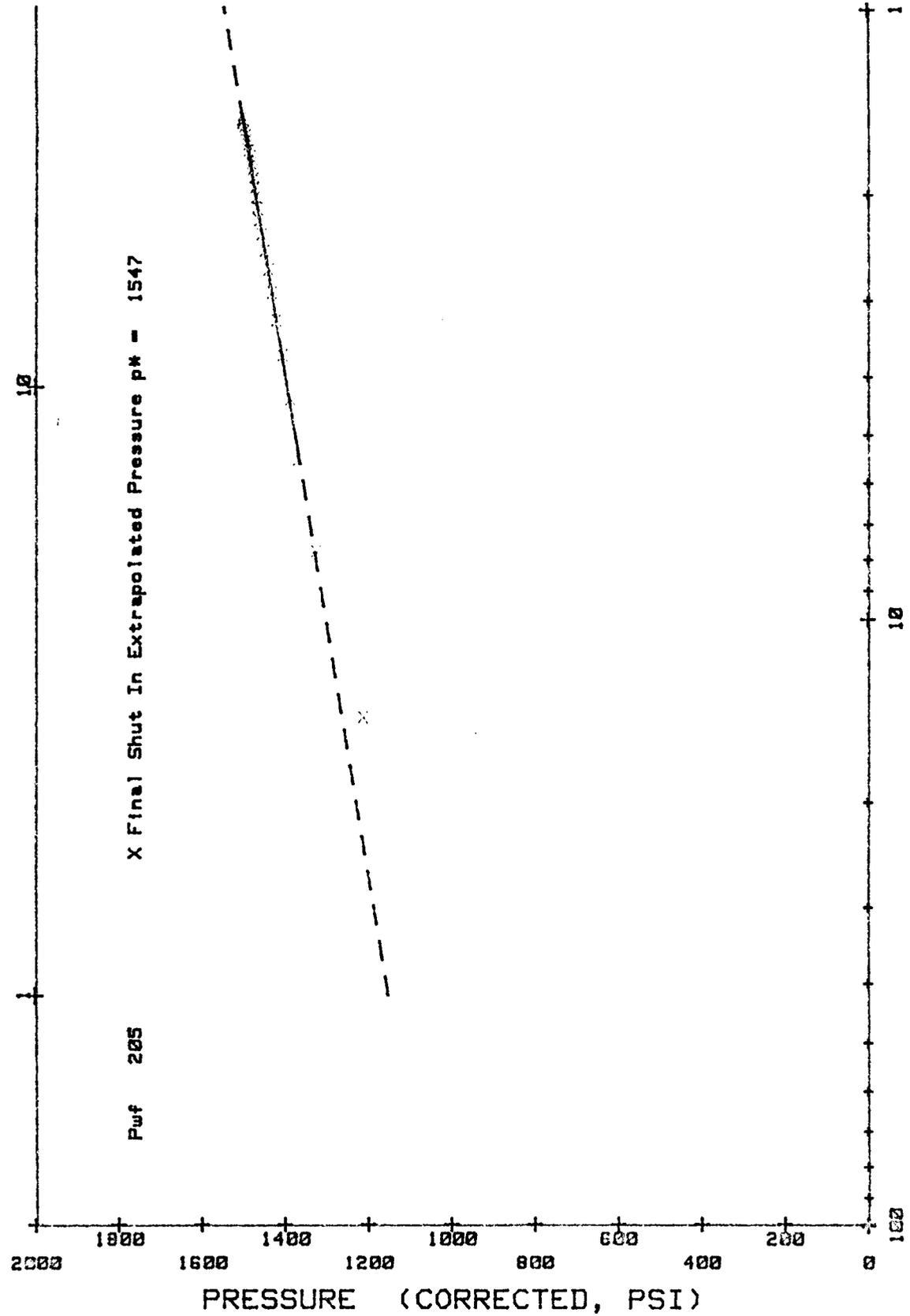
INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi): .....	1539.00
Slope of Build-up Curve (psi/log cycle): .....	330.44
Effective Producing Time (min): .....	10.00

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

GAUGE # : 11088

LOCATION : 330'FNL900'FWL 3-35S-31W DATE : 9-2-1995



Pwf 205 X Final Shut In Extrapolated Pressure p\* = 1547

TIME (MINUTES) : (T+dt)/dt - (Semilog scale)

SUPERIOR TESTERS ENTERPRISES INC.

HORNER ANALYSIS

COMPANY : MUSTANG OIL & GAS CORP.  
 WELL NAME : FLOYD UNIT #2  
 LOCATION : 330'FNL900'FWL 3-35S-31W  
 STATE & COUNTY : KANSAS, SEWARD  
 DATE OF TEST : 9-2-1995  
 TEST INT. KB : 4915 to 4924  
 TOTAL INTERVAL (ft) K.B. : 9.00  
 ELEV.(GR) : 2719 (KB) : 2727  
 FIELD :

ELEMENT SERIAL NO. : 11088  
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	PRESSURES CORR PSIG
Refer. depth :	4905.0 ft-kb		
	30.00	2.37	1457.82
	33.00	2.24	1464.51
	36.00	2.14	1467.85
	39.00	2.05	1471.19
	42.00	1.98	1474.54
	45.00	1.91	1476.77
	48.00	1.85	1480.11
	51.00	1.80	1482.34
	54.00	1.76	1484.57
	57.00	1.72	1489.03
	60.00	1.68	1491.25
	63.00	1.65	1494.60
	66.00	1.62	1496.83
	69.00	1.59	1500.17
	72.00	1.57	1502.40
	75.00	1.55	1504.63
	78.00	1.53	1504.63
	81.00	1.51	1505.74
-3:03 2ND SHUT-IN	0.00	0.00	1505.74

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES INC.

DATA SUMMARY

COMPANY : MUSTANG OIL & GAS CORP.      WELL NAME : FLOYD UNIT #2  
 DATE OF TEST : 9-2-1995              LOCATION : 330'FNL900'FWL 3-35S-31W  
 DST. NO : 3                              SHUT-IN PERIOD : 2

INTERPRETIVE DATA      (OIL)

TRANSMISSIBILITY  
 Oil (md.ft/cp): ..... 32.08  
 Gas (md.ft/cp): ..... 0.00

EFFECTIVE PERMEABILITY  
 Oil (md): ..... 3.48  
 Gas (md): ..... 0.00

TOTAL MOBILITY (md/cp): ..... 6.71

TOTAL COMPRESSIBILITY (psi<sup>-1</sup>): ..... 6.79E-06

ESTIMATED DAMAGE RATIO: ..... 1.29

CALCULATED DAMAGE RATIO: ..... 1.26

Reservoir Temperature (F): ..... 120.00  
 Formation Porosity : ..... .18  
 Formation Thickness (ft): ..... 9.00  
 Wellbore Radius (in): ..... 3.94  
 Reservoir Compressibility (psi<sup>-1</sup>): ..... 4.80E-07  
 Calculated Skin Factor : ..... 1.39

PRODUCTION WITH DAMAGE REMOVED (bbl/D): ..... 61.41  
 PRODUCTION OF WATER with damage removed (bbl/D) ..... 40.67  
 PRODUCTIVITY INDEX (bbl/psi): ..... .04

Final Flow Pressure (psi): ..... 205.00

APPROXIMATE RADIUS OF INVESTIGATION (ft): ..... 62.51

Total Flowing Time (min): ..... 41.00

EXTRAPOLATED RESERVOIR PRESSURE (psi): ..... 1547.00

Slope of Build-up Curve (psi/log cycle): ..... 243.17  
 Effective Producing Time (min): ..... 41.00

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 9-3-1995 Location 300' E 1/4 900' NW 33-31<sup>W</sup> Elevation 2727 ft. County SEWARD  
Company MUSTANG OIL & GAS CORPORATION Number of Copies 5

Charts Mailed to 100 South Main Suite 300 Wichita Kansas 67202

Drilling Contractor VAL Drilling Rig #2

Length Drill Pipe 4511 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" K.H.

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

Length Drill Collars 534 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" K.H.

Top Packer Depth 5074 Bottom Packer Depth 5079 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 5079 TO 5090 ANCHOR LENGTH 11 TOTAL DEPTH 5090 Hole Size 7 7/8"

LEASE & WELL NO. FLOYD Unit #2 FORMATION TESTED SWORE TEST NO. 4

Mud Weight 9.3 Viscosity 48 Water Loss 11.3 Chlorides - Pits 2500 D.S.T. 174000

Maximum Temp. \_\_\_\_\_ °F Initial Hydrostatic Pressure (A) 2488 S.I. Final Hydrostatic Pressure (H) 2422 P.S.I.

Tool Open I.F.P. from 3:35 Pm to 3:45 Pm 10 min

from [B] <u>133</u> P.S.I. to [C] <u>323</u> P.S.I.
[D] <u>11.25</u> P.S.I.
from [E] <u>468</u> P.S.I. to [F] <u>897</u> P.S.I.
[G] <u>1605</u> P.S.I.

Tool Closed I.C.I.P. from 3:45 Pm to 4:15 Pm 30 min

Tool Open F.F.P. from 4:15 Pm to 4:45 Pm 30 min

Tool Closed F.C.I.P. from 4:45 Pm to 6:03 Pm 80 min

Initial Blow Fair blow built to the bottom of a 5 Gallon bucket in 2 1/2 minutes

Final Blow Fair blow built to the bottom of a 5 Gallon bucket in 3 1/4 minutes

Total Feet Recovered 1750 Gravity of Oil \_\_\_\_\_ Corrected

450 Feet of GAS in the PIPE % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

200 Feet of GASSY VERY SLIGHTLY oil cut muddy water % Gas 24 % Oil 1 % Mud 15 % Water 60

200 Feet of SLIGHTLY muddy water with a trace of oil % Gas TRACE % Oil TRACE % Mud 10 % Water 90

1350 Feet of WATER with a VERY SLIGHT trace of oil % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud 20 % Water 100

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of SAMPLER RECOVERY 1800 ml 1800 ml WATER % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of SAMPLER PRESSURE 560 % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Remarks ELECTRONIC RECORDER # 78225 - Depth 5064

REVERSED WATER out to the RESERVE PIT

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

Top Recorder No. 11088 Clock No. 47441 Depth 5084 Cir. Sub YES Sampler YES

Bottom Recorder No. 11087 Clock No. 47442 Depth 5087 Insurance NONE

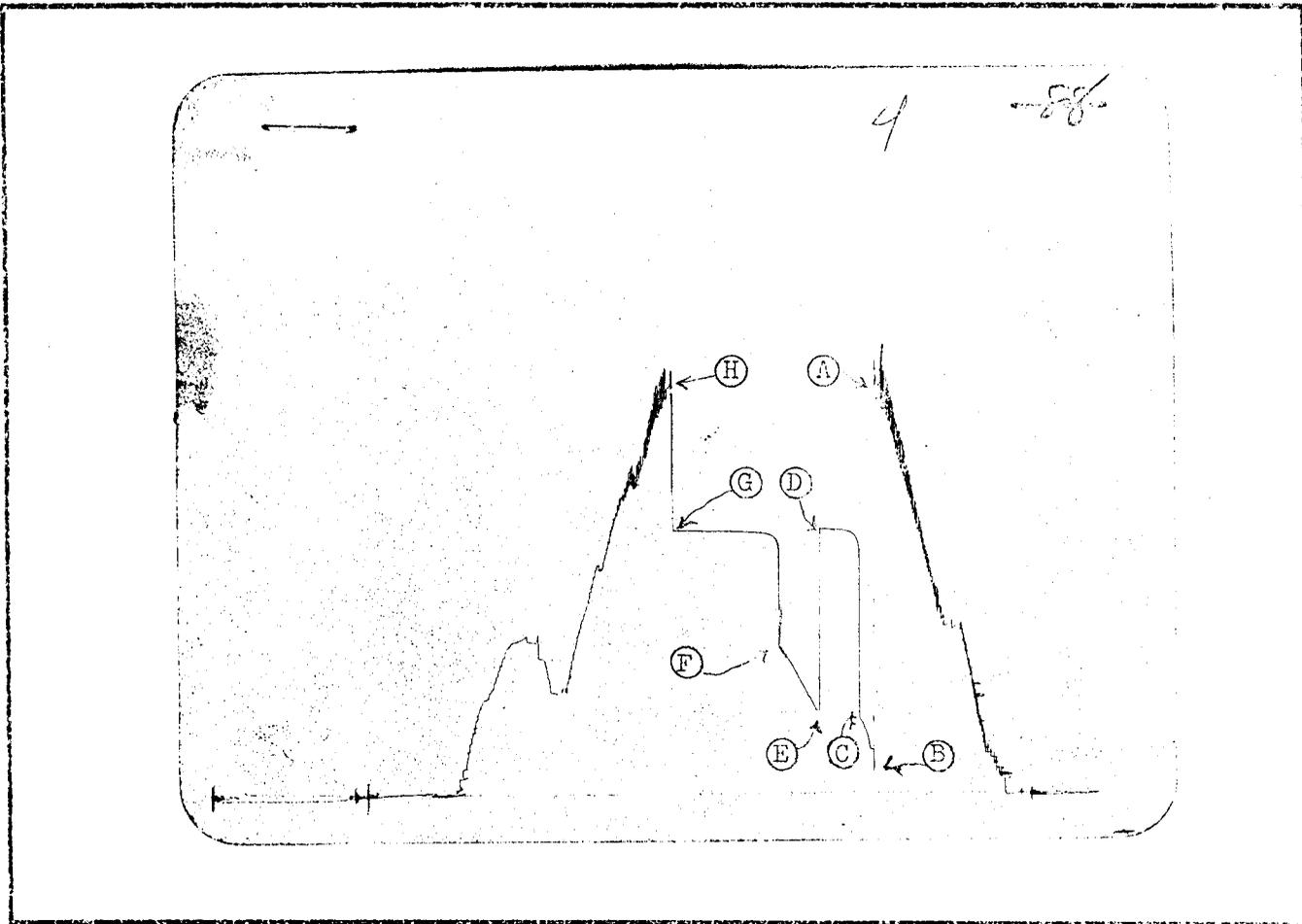
Price of Job \_\_\_\_\_

Tool Operator Glenn Ludwig

Approved By \_\_\_\_\_

No 11365

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This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud . . . . .	<u>2488</u>	<u>2536</u>	P.S.I.
(B) First Initial Flow Pressure . . . . .	<u>133</u>	<u>251</u>	P.S.I.
(C) First Final Flow Pressure . . . . .	<u>323</u>	<u>451</u>	P.S.I.
(D) Initial Closed-in Pressure . . . . .	<u>1605</u>	<u>1593</u>	P.S.I.
(E) Second Initial Flow Pressure . . . . .	<u>468</u>	<u>488</u>	P.S.I.
(F) Second Final Flow Pressure . . . . .	<u>899</u>	<u>878</u>	P.S.I.
(G) Final Closed-in Pressure . . . . .	<u>1605</u>	<u>1587</u>	P.S.I.
(H) Final Hydrostatic Mud . . . . .	<u>2433</u>	<u>2441</u>	P.S.I.

WELL IDENTIFICATION DATA

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : F-011-0011-BL  
 ADDRESS : 100 S. KATHI#300, WICHITA LOCATION : T59 FIM AD#FWL 3-355-01W  
 STATE & COUNTY : KANSAS, SEWARD FIELD :  
 SLCV. (GR) : 2719 (KB) : 2727 TEST DATE : 3/2/1975

EQUIPMENT AND HOLE DATA

FORMATION TESTED : SMOPE DRILL PIPE LENGTH(ft) : 4511  
 TEST INT. KB : 5079 to 5090 DRILL PIPE O.D. (in) : 3.00  
 ANCHOR LENGTH(ft) : 11 WEIGHT PIPE (LBS/FT) :  
 TYPE OF TEST : Conventional WEIGHT PIPE TO : 5125  
 TOTAL DEPTH(ft-kb) : 5090 DRILL COLLAR LENGTH(ft) : 534  
 HATH HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D. (in) : 2.257  
 MUD WEIGHT : 9.3 TOP PACKER DEPTH(ft) : 5074  
 MUD VISCOSITY : 48 BOTTOM PACKER DEPTH(ft) : 5077  
 MUD CHLORIDES : 2500 DUAL PACKERS :  
 SURFACE CHUCK : 3/4 PACKER SIZE (in) : 6 3/4  
 BOTTOM CHUCK (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 DR : No  
 RESERVOIR TEMPERATURE(F) : 0 TEST TICKET NUMBER : 1385

EXTRA EQUIPMENT : -VARS -SAFETY JOINT -SAMPLER

ELEMENT SERIAL NO. : 11088  
 RANGE : 0 - 4400 CLOCK RATE OF :  
 CAL. EQU. : 1102.93 \* Defl. + 4.00

SURFACE BLOW

1st Opening : FAIR BLOW BOTTOM OF THE BUCKET IN 2 1/2 MINUTES  
 2nd Opening : FAIR BLOW BOTTOM OF THE BUCKET IN 1 1/4 MINUTES

RECOVERY

Recovered 450 feet of GAS IN THE PIPE  
 Recovered 200 feet of GASSY VERY SLIGHTLY OIL BUT MUDDY WATER  
 Recovered 200 feet of SLIGHTLY MUDDY WATER WITH A TRACE OF OIL AND GAS  
 Recovered 1350 feet of WATER WITH A VERY SLIGHT TRACE OF GAS AND OIL

REMARKS :

SAMPLER RECOVERY: 1800ML 100% WATER  
 SAMPLER PRESSURE: 560 POUNDS

WITNESSED BY : DOUG DAVIS TOOL OPERATOR : GENE BUDIG

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENT

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : LLOYD UNIT #2  
 DATE OF TEST : 9-3-1995 LOCATION : 330 HAYWOOD FWL 3-556 31N  
 DEPTH : 5084.0 SERIAL NO. : 1008

COMMENTS	TIME min	EFL in	PRESSURE (PSIG)		
			CALC	CORR	CORRECTED
TEST NO.: 4					
Depth : 5084.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.293	2535.90	1.15	2536.35
-3:35 1ST FLOW	0.0	.226	204.14	-0.25	204.89
- 3:37	2.0	.230	250.55	-0.31	250.34
- 3:40	5.0	.323	361.13	-0.15	360.00
- 3:45	10.0	.405	451.57	-0.18	451.39
-3:45 END FLOW	0.0	.105	451.57	-0.18	451.39
- 3:48	3.0	1.407	1556.70	1.34	1558.05
- 3:51	6.0	1.422	1573.23	1.37	1574.62
- 3:54	9.0	1.429	1580.97	1.38	1582.35
- 3:57	12.0	1.433	1585.33	1.39	1586.77
- 4:00	15.0	1.434	1586.48	1.39	1587.88
- 4:03	18.0	1.435	1587.59	1.40	1588.98
- 4:06	21.0	1.437	1589.77	1.40	1591.19
- 4:09	24.0	1.438	1590.89	1.40	1592.29
- 4:12	27.0	1.438	1590.89	1.40	1592.29
- 4:15	30.0	1.439	1592.00	1.40	1593.40
-4:15 END FLOW	0.0	1.439	1592.00	1.40	1593.40
-4:15 2ND FLOW	0.0	.438	487.96	.21	488.17
- 4:17	2.0	.438	487.96	.21	488.17
- 4:20	5.0	.482	536.49	.72	537.21
- 4:25	10.0	.548	609.29	.39	610.18
- 4:30	15.0	.611	678.77	.85	679.62
- 4:35	20.0	.687	762.59	.80	763.40
- 4:40	25.0	.741	822.15	.77	822.92
- 4:45	30.0	.790	876.20	.74	876.93
-4:45 END FLOW	0.0	.791	877.36	.74	878.03
- 4:46	1.0	1.373	1519.20	1.28	1520.49
- 4:47	2.0	1.385	1532.44	1.30	1533.74
- 4:48	3.0	1.394	1542.37	1.32	1543.69
- 4:51	6.0	1.407	1556.70	1.34	1558.05
- 4:54	9.0	1.413	1563.32	1.36	1564.68
- 4:57	12.0	1.417	1567.73	1.36	1569.09
- 5:00	15.0	1.420	1571.04	1.37	1572.41
- 5:03	18.0	1.423	1574.38	1.37	1575.72
- 5:06	21.0	1.423	1574.38	1.37	1575.72
- 5:09	24.0	1.424	1575.45	1.38	1576.83
- 5:11	26.0	1.425	1576.56	1.38	1577.93
- 5:15	30.0	1.426	1577.66	1.38	1579.04
- 5:18	33.0	1.427	1578.76	1.38	1580.14
- 5:21	36.0	1.428	1577.86	1.38	1581.25

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

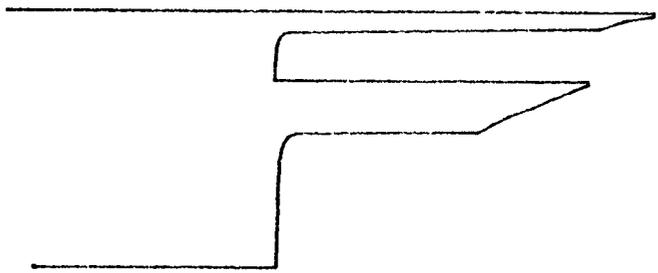
COMPANY : MUSTANG OIL & GAS CORP.      WELL NAME : FLOOD UNIT 32  
 DATE OF TEST : 9-3-1995                      LOCATION : 300 W. PL. W. OFF WIL. 3-305 319  
 DEPTH : 5084.0                                  SERIAL NO. : 11100

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			CALL	CHK	CORRECTED
TEST NO.: 4					
- 5:24	39.0	1.428	1579.86	1.38	1581.25
- 5:27	42.0	1.428	1579.86	1.38	1581.25
- 5:30	45.0	1.428	1579.86	1.38	1581.25
- 5:33	48.0	1.428	1579.86	1.38	1581.25
- 5:36	51.0	1.429	1580.97	1.38	1582.35
- 5:39	54.0	1.429	1580.97	1.38	1582.35
- 5:42	57.0	1.430	1582.07	1.39	1583.46
- 5:45	60.0	1.431	1583.17	1.39	1584.56
- 5:48	63.0	1.431	1583.17	1.39	1584.56
- 5:51	66.0	1.431	1583.17	1.39	1584.56
- 5:54	69.0	1.432	1584.28	1.39	1585.67
- 5:57	72.0	1.433	1585.38	1.39	1586.77
- 6:00	75.0	1.433	1585.38	1.39	1586.77
- 6:03	78.0	1.433	1585.38	1.39	1586.77
- 6:05	80.0	1.434	1586.48	1.39	1587.88
-6:05 2ND SHUT-IN	0.0	1.434	1586.48	1.39	1587.88
-2ND HYDROSTATIC	0.0	2.207	2439.05	2.10	2441.14

PRESSURE ( P S I G )

4000 3600 3200 2800 2400 2000 1600 1200 800 400 0

TIME (MINUTES)



COMPANY : MUSTANG OIL & GAS CORP.  
WELL : FLOYD UNIT #2  
LOCATION : 330'FNL900'FWL 3-35S-31W  
DATE : 9-3-1995  
GAUGE # : 11088

720

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 9-5-1995 Location 300' E. of 900' E. of 3-35<sup>th</sup> St<sup>W</sup> Elevation 2727 ft County SEWARD

Company Mustang Oil & Gas Corporation Number of Copies 5

Charts Mailed to 1002 South Main Suite 300 Wichita Kansas 67202

Drilling Contractor VAI Drilling Rig #2

Length Drill Pipe 4712 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" x 1 1/2"

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

Length Drill Collars 534 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" x 1 1/2"

Top Packer Depth 5270 Bottom Packer Depth 5275 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 5275 TO 5316 ANCHOR LENGTH 41 TOTAL DEPTH 5316 Hole Size 7 7/8"

LEASE & WELL NO. FLOYD UNIT #5 FORMATION TESTED Marmaton TEST NO. 5

Mud Weight 9.7 Viscosity 51 Water Loss 9.4 Chlorides - Pits 4000 D.S.T. 12000

Maximum Temp. \_\_\_\_\_ °F Initial Hydrostatic Pressure (A) 2566 P.S.I. Final Hydrostatic Pressure (H) 2555 P.S.I.

Tool Open I.F.P. from 7:07 A.M. to 7:20 A.M. 13 min

Tool Closed I.C.I.P. from 7:20 A.M. to 7:50 A.M. 30 min

Tool Open F.F.P. from 7:50 A.M. to 8:20 A.M. 30 min

Tool Closed F.C.I.P. from 8:20 A.M. to 9:40 A.M. 80 min

Initial Blow FAIR SURGING blow built to the bottom of a 5 Gallon bucket in 2 min

Final Blow Strong blow bottom of the bucket in 1/2 min DECREASED to same as 1<sup>st</sup> blow

Total Feet Recovered 55 Gravity of Oil \_\_\_\_\_ Corrected

2850 Feet of GAS in the Pipe % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

55 Feet of MUDDY Gassy oil % Gas 5 % Oil 12 % Mud 37 % Water 8

Feet of \_\_\_\_\_ 38% B.S. would % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of \_\_\_\_\_ GAS NOT SEPERATE % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of \_\_\_\_\_ oil % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of \_\_\_\_\_ BS % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of \_\_\_\_\_ water mud % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of \_\_\_\_\_ 900 ml GAS % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of \_\_\_\_\_ 900 ml FLUID % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Feet of Sampler Recovery: 1800 ml % Gas 10 % Oil 12 % Mud 30 % Water 8

Feet of Sampler Pressure 8 60 % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

Remarks Electronic Recorder # 78225 Depth 5310 40% B.S. would not

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

Top Recorder No. 11088 Clock No. 47441 Depth 5270 5280 Cir. Sub NONE Sampler YES

Bottom Recorder No. 11087 Clock No. 47442 Depth 5313 Insurance NONE

Price of Job \_\_\_\_\_

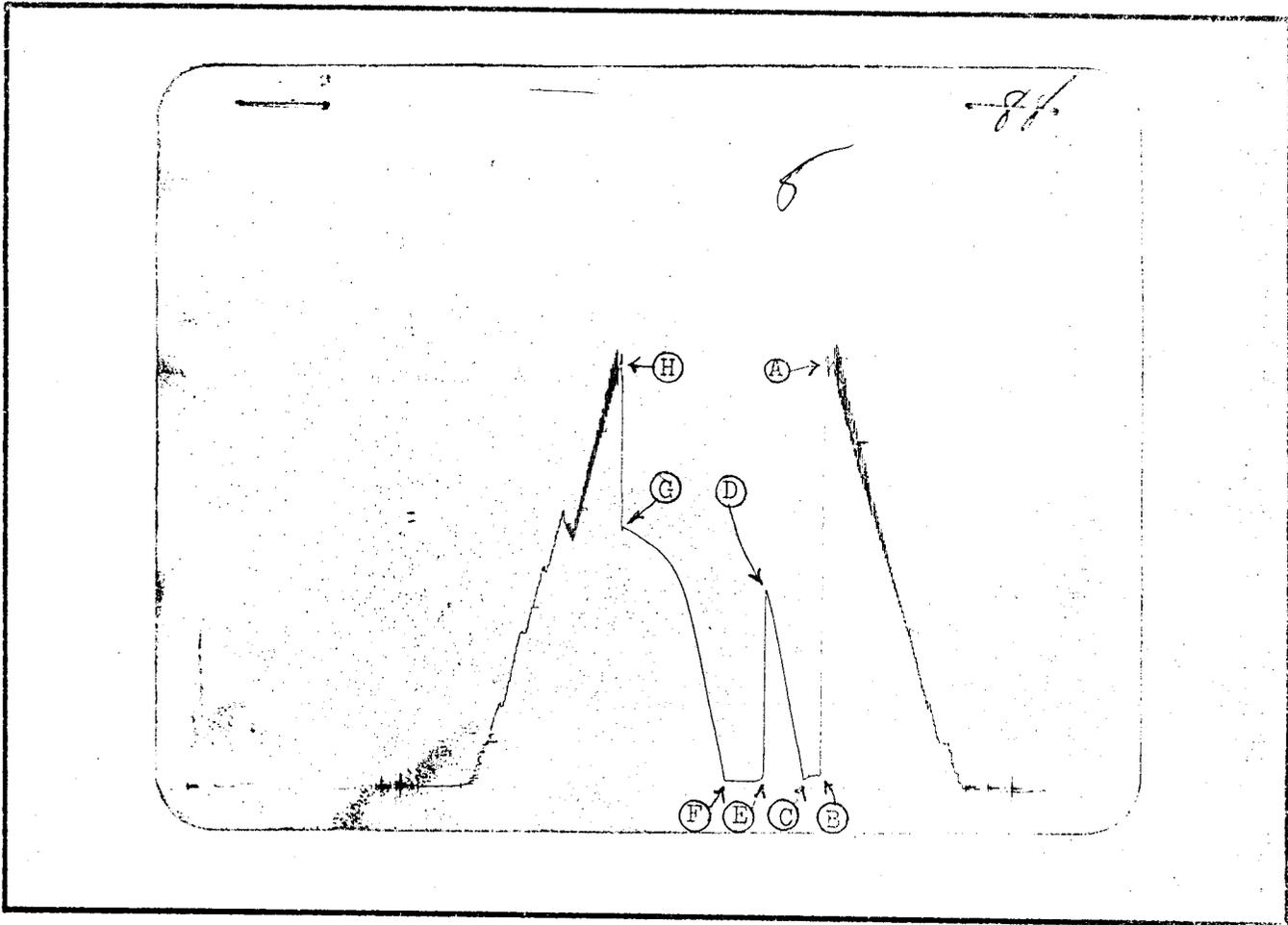
Tool Operator Gene Budy

Approved By \_\_\_\_\_

No 11366

from [B] <u>89</u> P.S.I. to [C] <u>55</u> P.S.I.
[D] <u>1207</u> P.S.I.
from [E] <u>55</u> P.S.I. to [F] <u>66</u> P.S.I.
[G] <u>15.72</u> P.S.I.

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.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud .....	<u>2566</u>	<u>2564</u>	P.S.I.
(B) First Initial Flow Pressure .....	<u>89</u>	<u>88</u>	P.S.I.
(C) First Final Flow Pressure .....	<u>55</u>	<u>60</u>	P.S.I.
(D) Initial Closed-in Pressure .....	<u>1207</u>	<u>1211</u>	P.S.I.
(E) Second Initial Flow Pressure .....	<u>55</u>	<u>124</u>	P.S.I.
(F) Second Final Flow Pressure .....	<u>66</u>	<u>53</u>	P.S.I.
(G) Final Closed-in Pressure .....	<u>1572</u>	<u>1583</u>	P.S.I.
(H) Final Hydrostatic Mud .....	<u>2555</u>	<u>2559</u>	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
ADDRESS : 100 S.MAIN#300,WICHITA LOCATION : 330'FNL900'FWL 3-35S-31W  
STATE & COUNTY : KANSAS,SEWARD FIELD :  
ELEV.(GR) : 2719 (KB) : 2727 TEST DATE : 9-5-1995

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MARMATON DRILL PIPE LENGTH(ft) : 4712  
TEST INT. KB : 5275 to 5316 DRILL PIPE O.D.(in) : 3.82  
ANCHOR LENGTH(ft) : 41 WEIGHT PIPE LENGTH(ft) :  
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75  
TOTAL DEPTH(ft-kb) : 5316 DRILL COLLAR LENGTH(ft) : 534  
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259  
MUD WEIGHT : 9.3 TOP PACKER DEPTH(kb) : 5270  
MUD VISCOSITY : 51 BOTTOM PACKER DEPTH(kb) : 5275  
MUD CHLORIDES : 4000 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) : 0 TEST TICKET NUMBER : 11366

EXTRA EQUIPMENT : -JARS -SAFETY JOINT -SAMPLER

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

SURFACE BLOW

1st Opening : FAIR SURGING BLOW-BOTTOM OF BUCKET IN 8 MINUTES  
2nd Opening : STRONG SURGING BLOW-BOTTOM OF BUCKET IN 1/2 MIN.

RECOVERY

Recovered 2850 feet of GAS IN THE PIPE  
Recovered 55 feet of MUDDY GASSY OIL

REMARKS :

SAMPLER RECOVERY:1800ML-900ML GAS 900ML 10%GAS 12%OIL 30%MUD 8%WATER  
SAMPLER PRESSURE:60 POUNDS

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
 DATE OF TEST : 9-5-1995 LOCATION : 330'FNL900'FWL 3-355-31W  
 DEPTH : 5280.0 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			CALC	CORR	CORRECTED
TEST NO.:5					
Depth : 5280.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.318	2561.47	2.55	2564.02
-7:07 1ST FLOW	0.0	.079	92.01	-3.96	88.05
- 7:12	5.0	.074	86.50	-4.02	82.48
- 7:16	9.0	.070	82.03	-4.07	78.02
- 7:20	13.0	.054	64.44	-4.25	60.19
-7:10 END FLOW	0.0	.054	64.44	-4.25	60.19
- 7:13	3.0	.183	206.72	-2.76	203.96
- 7:16	6.0	.280	313.70	-1.63	312.07
- 7:19	9.0	.406	452.67	-.17	452.50
- 7:22	12.0	.515	572.89	.92	573.80
- 7:25	15.0	.632	701.93	.84	702.77
- 7:28	18.0	.755	837.59	.76	838.35
- 7:31	21.0	.868	962.22	.69	962.91
- 7:34	24.0	.973	1078.03	.62	1078.65
- 7:37	27.0	1.055	1168.47	.70	1169.17
- 7:39	29.0	1.092	1209.28	.77	1210.05
-7:49 1ST SHUT-IN	0.0	1.093	1210.38	.77	1211.15
-7:49 2ND FLOW	0.0	.112	128.41	-3.58	124.83
- 7:49	0.0	.080	93.11	-3.95	89.16
- 7:50	1.0	.069	80.98	-4.08	76.90
- 7:51	2.0	.058	68.85	-4.21	64.64
- 7:52	3.0	.054	64.44	-4.25	60.19
- 7:54	5.0	.048	57.82	-4.32	53.50
- 7:59	10.0	.044	53.41	-4.37	49.04
- 8:04	15.0	.045	54.51	-4.36	50.15
- 8:09	20.0	.045	54.51	-4.36	50.15
- 8:14	25.0	.046	55.61	-4.35	51.27
- 8:19	30.0	.048	57.82	-4.32	53.50
-8:19 END FLOW	0.0	.048	57.82	-4.32	53.50
- 8:22	3.0	.165	186.86	-2.96	183.90
- 8:25	6.0	.272	304.88	-1.72	303.15
- 8:28	9.0	.366	408.55	-.63	407.92
- 8:31	12.0	.472	525.46	.60	526.06
- 8:34	15.0	.587	652.30	.87	653.17
- 8:37	18.0	.697	773.62	.80	774.42
- 8:40	21.0	.798	885.02	.73	885.75
- 8:43	24.0	.899	996.41	.67	997.08
- 8:46	27.0	.974	1079.13	.62	1079.75
- 8:48	29.0	1.001	1108.91	.60	1109.51
- 8:52	33.0	1.113	1232.44	.81	1233.25

# Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 9-5-1995 Location 300 ENL 900 FWL 3-35-31<sup>W</sup> Elevation 2727 ft County SEWARD

Company MUSTANG OIL & GAS CORPORATION Number of Copies 5

Charts Mailed to 100 South Main Suite 300 Wichita Kansas 67202

Drilling Contractor VAL Drilling Rig #2

Length Drill Pipe 4772 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 534 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 5330 Bottom Packer Depth 5335 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 5335 TO 5350 ANCHOR LENGTH 15 TOTAL DEPTH 5350 Hole Size 7 1/2"

LEASE & WELL NO. FLOYD Unit #2 FORMATION TESTED NOVINGER TEST NO. 6

Mud Weight 9.3<sup>t</sup> Viscosity 50 Water Loss 9.4 Chlorides - Pits 2800 D.S.T. 54000

Maximum Temp. \_\_\_\_\_ °F Initial Hydrostatic Pressure (A) 2621 P.S.I. Final Hydrostatic Pressure (H) 2610 P.S.I.

Tool Open I.F.P. from 12:56 AM to 1:06 AM 10 min

Tool Closed I.C.I.P. from 1:06 AM to 1:36 AM 30 min

Tool Open F.F.P. from 1:36 AM to 2:06 AM 30 min

Tool Closed F.C.I.P. from 2:06 AM to 2:26 AM 80 min

from [B] <u>568</u> P.S.I. to [C] <u>579</u> P.S.I.
[D] <u>1671</u> P.S.I.
from [E] <u>490</u> P.S.I. to [F] <u>546</u> P.S.I.
[G] <u>1671</u> P.S.I.

Initial Blow Strong blow - Gas to surface in 2 1/2 minutes

Final Blow Strong blow

Total Feet Recovered 615 Gravity of Oil 42 Corrected

435 Feet of CLEAN & BASSY OIL % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water \_\_\_\_\_

60 Feet of Oil & Gas cut watery mud 35 % Gas 25 % Oil 25 % Mud 15 % Water

60 Feet of Oil & Gas cut watery mud 35 % Gas 10 % Oil 30 % Mud 25 % Water

60 Feet of Muddy water with a trace of oil 0 % Gas 1 % Oil 28 % Mud 71 % Water

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of \_\_\_\_\_ % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of \_\_\_\_\_ 1690 ml Gas % Gas \_\_\_\_\_ % Oil \_\_\_\_\_ % Mud \_\_\_\_\_ % Water

Feet of Sampler Recovered 1800 ML - 110 ml oil 0 % Gas 94 % Oil 2 % Mud 4 % Water

Remarks SAMPLER PRESSURE 560

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

Top Recorder No. 78225 Clock No. ELECTRONIC Depth 5343 Cir. Sub NONE Sampler YES

Bottom Recorder No. 11088 Clock No. 47441 Depth 5347 Insurance NONE

Price of Job \_\_\_\_\_

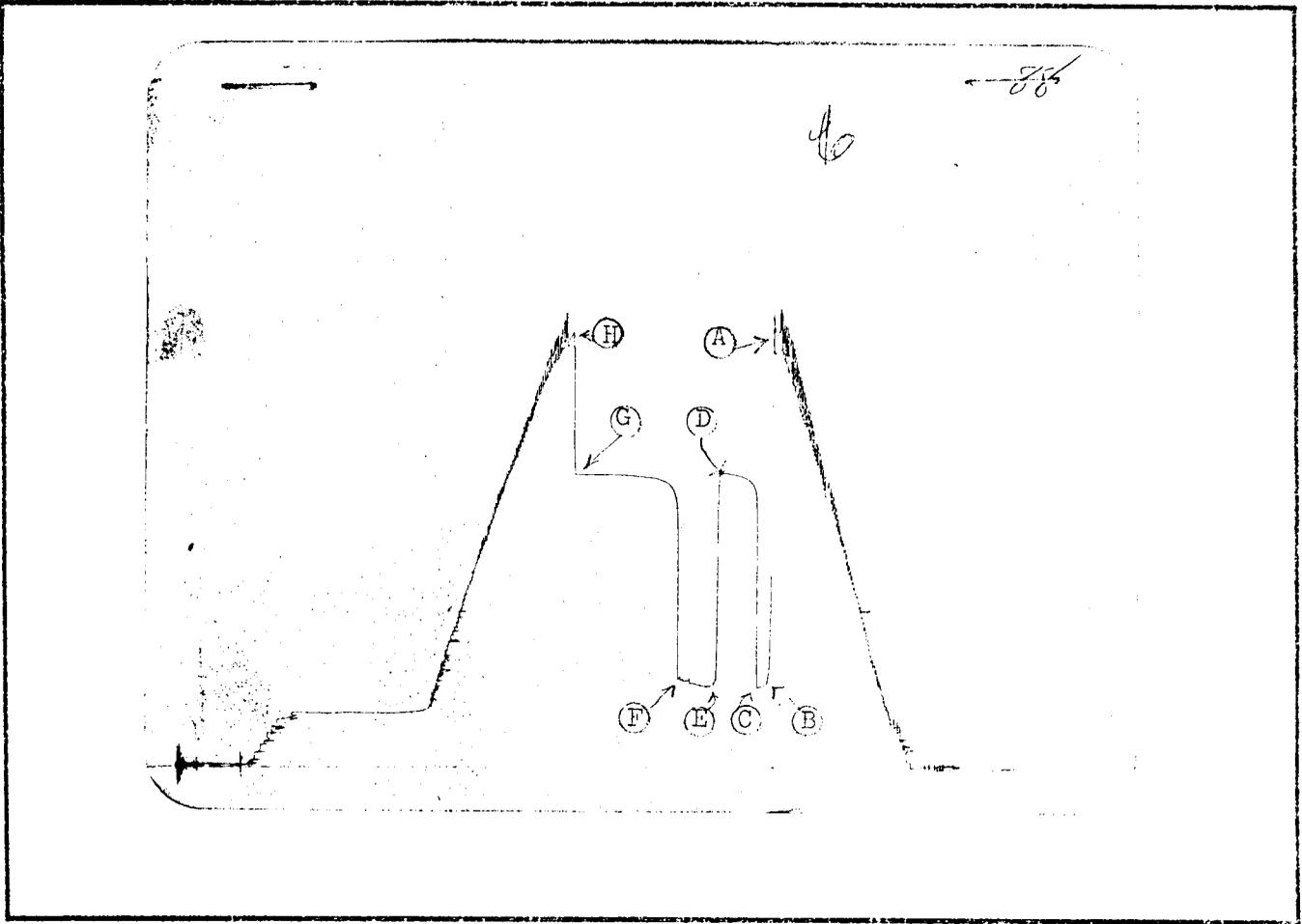
Tool Operator Gene Ludwig

Approved By \_\_\_\_\_

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.

No. 11367





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud .....	2621	2609	P.S.I.
(B) First Initial Flow Pressure .....	568	923	P.S.I.
(C) First Final Flow Pressure .....	479	487	P.S.I.
(D) Initial Closed-in Pressure .....	1671	1777	P.S.I.
(E) Second Initial Flow Pressure .....	490	567	P.S.I.
(F) Second Final Flow Pressure .....	546	540	P.S.I.
(G) Final Closed-in Pressure .....	1671	1767	P.S.I.
(H) Final Hydrostatic Mud .....	2610	2586	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
ADDRESS : 100 S.MAIN#300,WICHITA LOCATION : 330'FNL900'FUL 3-355-31W  
STATE & COUNTY : KANSAS,SEWARD FIELD :  
ELEV.(GR) : 2719. (KB) : 2727 TEST DATE : 9-6-1993

EQUIPMENT AND HOLE DATA

FORMATION TESTED : NOVINGER DRILL PIPE LENGTH(ft) : 4772  
TEST INT. KB : 5335 to 5350 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) : 5350 DRILL COLLAR LENGTH(ft) : 534  
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259  
MUD WEIGHT : 9.2+ TOP PACKER DEPTH(kb) : 5330  
MUD VISCOSITY : 50 BOTTOM PACKER DEPTH(kb) : 5335  
MUD CHLORIDES : 2800 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) : 0 TEST TICKET NUMBER : 11367

EXTRA EQUIPMENT : -JARS -SAFETY JOINT -SAMPLER

ELEMENT SERIAL NO. : 11088  
RANGE : 0 - 4400 CLOCK RANGE :  
CAL. EQU. : 1102.93 \* Def1. + 4.88

SURFACE BLOW

1st Opening : STRONG BLOW-GAS TO SURFACE IN 2 1/2 MINUTES  
2nd Opening : STRONG BLOW

RECOVERY

Recovered 435 feet of CLEAN GASSY OIL  
Recovered 60 feet of OIL AND GAS CUT WATERY MUD  
Recovered 60 feet of OIL AND GAS CUT WATERY MUD  
Recovered 60 feet of MUDDY WATER WITH A TRACE OF OIL

REMARKS :

SAMPLER RECOVERY:1800ML 1690MLGAS 110ML 94%OIL 2%MUD 4%WATER  
SAMPLER PRESSURE:560 POUNDS

WITNESSED BY : DOUG DAVIS TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
 DATE OF TEST : 9-6-1995 LOCATION : 330'PNL900'FWL 3-355-31W  
 DEPTH : 5343.0 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	----- CORRECTED
TEST NO.:6					
Depth : 5343.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.359	2606.69	2.71	2609.41
-12:56 1ST FLOW	0.0	.832	922.52	.71	923.23
- 12:57	1.0	.562	624.73	.88	625.61
- 12:58	2.0	.500	556.35	.92	557.27
- 12:59	3.0	.460	512.23	.46	512.69
- 13:01	5.0	.449	500.19	.33	500.43
- 13:05	9.0	.438	487.96	.21	488.17
- 13:07	11.0	.437	486.86	.19	487.05
-1:07 END FLOW	0.0	.437	486.86	.19	487.05
- 1:10	3.0	1.549	1713.32	1.49	1714.81
- 1:13	6.0	1.569	1735.38	1.48	1736.86
- 1:16	9.0	1.580	1747.51	1.47	1748.98
- 1:19	12.0	1.589	1757.44	1.47	1758.91
- 1:22	15.0	1.595	1764.05	1.47	1765.52
- 1:25	18.0	1.600	1769.57	1.46	1771.03
- 1:28	21.0	1.604	1773.98	1.46	1775.44
- 1:31	24.0	1.606	1776.19	1.46	1777.65
- 1:34	27.0	1.606	1776.19	1.46	1777.65
- 1:36	29.0	1.606	1776.19	1.46	1777.65
-1:36 1ST SHUT-IN	0.0	1.606	1776.19	1.46	1777.65
-1:36 2ND FLOW	0.0	.509	566.27	.92	567.19
- 1:36	0.0	.474	527.67	.62	528.29
- 1:37	1.0	.471	524.36	.59	524.95
- 1:38	2.0	.450	501.20	.34	501.54
- 1:42	6.0	.444	494.58	.27	494.66
- 1:44	8.0	.442	492.38	.25	492.63
- 1:46	10.0	.446	496.79	.30	497.08
- 1:51	15.0	.455	506.71	.40	507.12
- 1:56	20.0	.461	513.33	.47	513.80
- 1:56	20.0	.484	538.70	.74	539.44
- 1:57	21.0	.477	530.98	.66	531.64
- 1:59	23.0	.474	527.67	.62	528.29
- 2:01	25.0	.475	528.77	.63	529.41
- 2:01	25.0	.481	535.39	.70	536.09
- 2:02	26.0	.478	532.08	.67	532.75
- 2:02	26.0	.484	538.70	.74	539.44
- 2:03	27.0	.478	532.08	.67	532.75
- 2:03	27.0	.498	554.14	.90	555.04
- 2:04	28.0	.488	543.11	.79	543.90
- 2:05	29.0	.485	539.80	.75	540.55

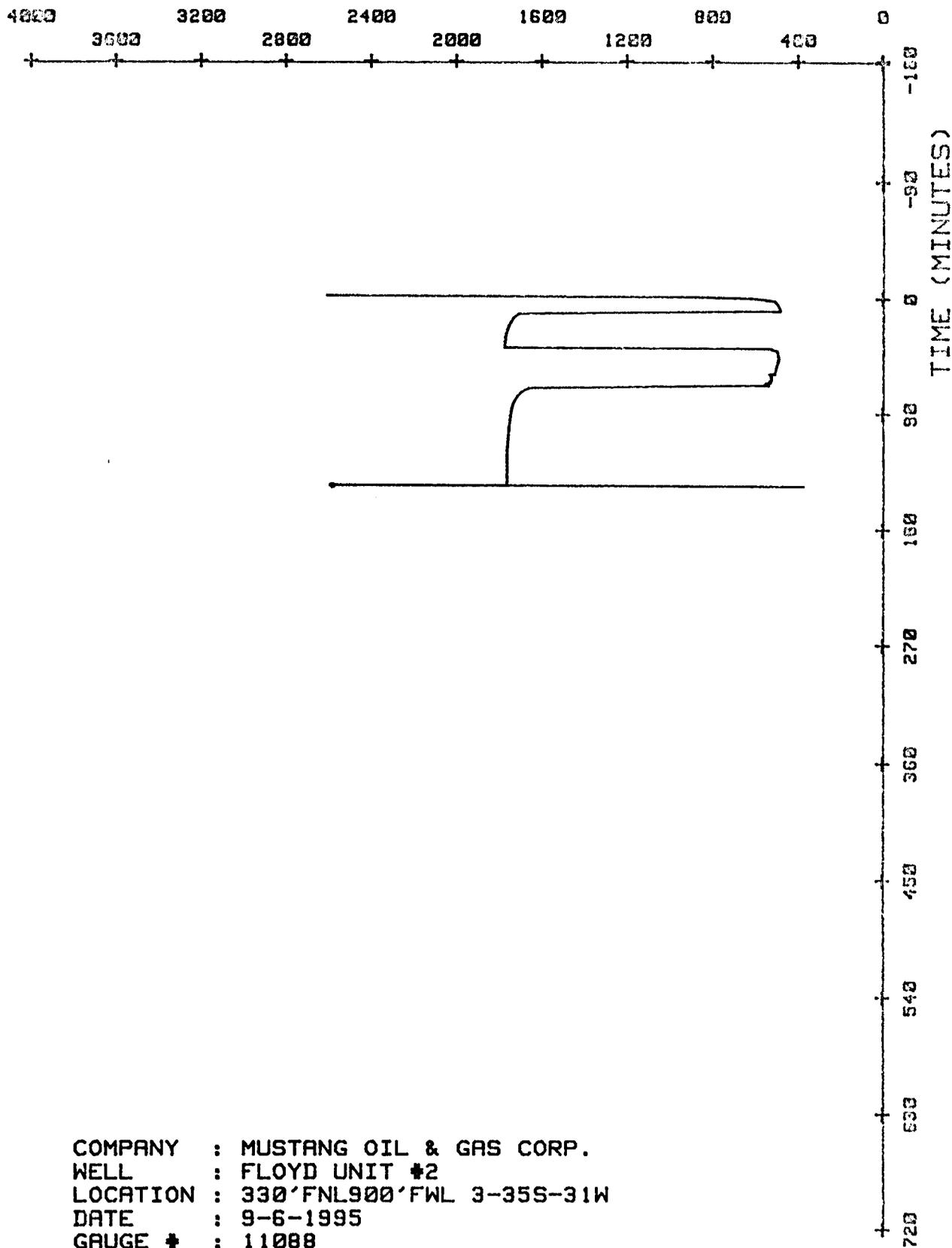
SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
 DATE OF TEST : 9-6-1995 LOCATION : 330 FHL900 FWL 3-358-31W  
 DEPTH : 5343.0 SERIAL NO. : 11088

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:6					
-2:05 END FLOW	0.0	.485	539.80	.75	540.55
- 2:08	3.0	1.505	1664.79	1.51	1666.30
- 2:11	6.0	1.536	1698.98	1.50	1700.48
- 2:14	9.0	1.552	1716.63	1.49	1718.12
- 2:17	12.0	1.562	1727.66	1.48	1729.14
- 2:20	15.0	1.571	1737.58	1.48	1739.06
- 2:23	18.0	1.576	1743.10	1.48	1744.57
- 2:26	21.0	1.580	1747.51	1.47	1748.98
- 2:29	24.0	1.582	1749.72	1.47	1751.19
- 2:32	27.0	1.584	1751.92	1.47	1753.39
- 2:35	30.0	1.586	1754.13	1.47	1755.60
- 2:38	33.0	1.588	1756.33	1.47	1757.80
- 2:41	36.0	1.589	1757.44	1.47	1758.91
- 2:44	39.0	1.591	1759.64	1.47	1761.11
- 2:47	42.0	1.593	1761.85	1.47	1763.32
- 2:50	45.0	1.593	1761.85	1.47	1763.32
- 2:53	48.0	1.595	1764.05	1.47	1765.52
- 2:56	51.0	1.596	1765.16	1.47	1766.62
- 2:59	54.0	1.596	1765.16	1.47	1766.62
- 3:02	57.0	1.596	1765.16	1.47	1766.62
- 3:05	60.0	1.596	1765.16	1.47	1766.62
- 3:08	63.0	1.596	1765.16	1.47	1766.62
- 3:11	66.0	1.596	1765.16	1.47	1766.62
- 3:14	69.0	1.596	1765.16	1.47	1766.62
- 3:17	72.0	1.596	1765.16	1.47	1766.62
- 3:20	75.0	1.596	1765.16	1.47	1766.62
- 3:23	78.0	1.597	1766.26	1.46	1767.72
-2:23 2ND SHUT-IN	0.0	1.597	1766.26	1.46	1767.72
-2ND HYDROSTATIC	0.0	2.338	2583.53	2.63	2586.16
- 2:23	0.0	.338	377.67	-.96	376.71
- 2:23	0.0	2.338	2583.53	2.63	2586.16

# PRESSURE ( P S I G )



COMPANY : MUSTANG OIL & GAS CORP.  
WELL : FLOYD UNIT #2  
LOCATION : 330'FNL900'FWL 3-35S-31W  
DATE : 9-6-1995  
GAUGE # : 11088

SUPERIOR TESTERS ENTERPRISES INC.

DATA SUMMARY

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
 DATE OF TEST : 9-6-1995 LOCATION : 330'FNL900'FWL 3-355-31W

RECOVERY INFORMATION

LIQUID RECOVERY Total Fluid Recovered :

Recovered 435 feet of CLEAN GASSY OIL  
 Recovered 60 feet of OIL AND GAS CUT WATERY MUD  
 Recovered 60 feet of OIL AND GAS CUT WATERY MUD  
 Recovered 60 feet of MUDDY WATER WITH A TRACE OF OIL

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GAS RECOVERY	Measured With : ORFICE TESTER (P.S.I.)	Reading	Surface Choke (in.)	Riser : 2 INCH	Cubic feet/day
Time (min.)					
12:59		40.00	1.50		440000
12:59		5.50	1.50		908000
1:06		8.80	1.50		1160000
1:46		9.00	1.50		1198000
1:56		11.00	1.50		1348000
2:06		11.00	1.50		1348000

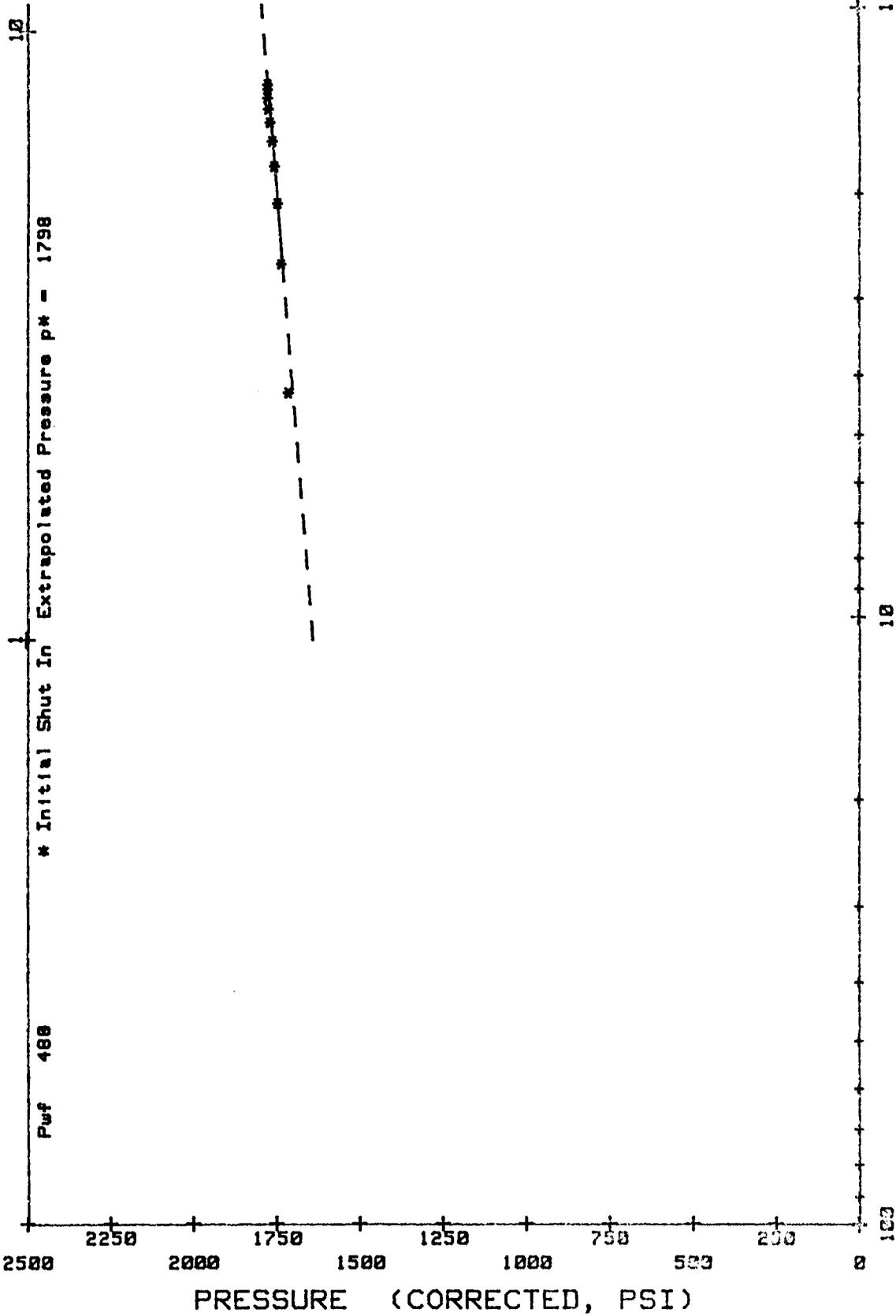
FLUID PROPERTIES

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	Viscosity (cp)	Compressibility (psi <sup>-1</sup> )	Pore Space Saturation
Oil	.8	7.7E-6	.3
Gas	.2	9.2E-6	.3
Water	.45	3.1E-6	.4

GAUGE # : 11068

LOCATION : 330'FNL900'FWL 3-35S-31W DATE : 9-6-1995



SUPERIOR TESTERS ENTERPRISES INC.

HORNER ANALYSIS

COMPANY : MUSTANG OIL & GAS CORP.  
 WELL NAME : FLOYD UNIT #2  
 LOCATION : 330'FNL900'FWL 3-355-31W  
 STATE & COUNTY : KANSAS.SEWARD  
 DATE OF TEST : 9-6-1995  
 TEST INT. KB : 5335 to 5350  
 TOTAL INTERVAL (ft) K.B. : 15.00  
 ELEV.(GR) : 2719 (KB) : 2727  
 FIELD :

ELEMENT SERIAL NO. : 11088  
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth :	5343.0 ft-kb		
-1:07 END FLOW	0.00	0.00	467.83
	3.00	4.33	1713.56
	6.00	2.67	1735.61
	9.00	2.11	1747.73
	12.00	1.83	1757.65
	15.00	1.67	1764.27
	18.00	1.56	1769.78
	21.00	1.48	1774.19
	24.00	1.42	1776.39
	27.00	1.37	1776.39
	29.00	1.34	1776.39
-1:36 1ST SHUT-IN	0.00	0.00	1776.39

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES INC.

DATA SUMMARY

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
DATE OF TEST : 9-6-1995 LOCATION : 330 FNL900 FWL 3-355-31W  
DST. NO : 6 SHUT-IN PERIOD : 1

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi): ..... 1798.00  
Slope of Build-up Curve (psi/log cycle): ..... 149.78  
Effective Producing Time (min): ..... 10.00

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.



SUPERIOR TESTERS ENTERPRISES INC.

HORNER ANALYSIS

COMPANY : MUSTANG OIL & GAS CORP.  
 WELL NAME : FLOYD UNIT #2  
 LOCATION : 330'FNL900'FWL 3-35S-31W  
 STATE & COUNTY : KANSAS.SEWARD  
 DATE OF TEST : 9-6-1995  
 TEST INT. KB : 5335 to 5350  
 TOTAL INTERVAL (ft) K.B. : 15.00  
 ELEV.(GR) : 2719 (KB) : 2727  
 FIELD :

ELEMENT SERIAL NO. : 11088  
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth :	5343.0 ft-kb		
-2:05 END FLOW	0.00	0.00	540.74
	3.00	14.33	1665.06
	6.00	7.67	1699.23
	9.00	5.44	1716.87
	12.00	4.33	1727.89
	15.00	3.67	1737.81
	18.00	3.22	1743.32
	21.00	2.90	1747.73
	24.00	2.67	1749.94
	27.00	2.48	1752.14
	30.00	2.33	1754.35
	33.00	2.21	1756.55
	36.00	2.11	1757.65
	39.00	2.03	1759.86
	42.00	1.95	1762.06
	45.00	1.89	1762.06
	48.00	1.83	1764.27
	51.00	1.78	1765.37
	54.00	1.74	1765.37
	57.00	1.70	1765.37
	60.00	1.67	1765.37
	63.00	1.63	1765.37
	66.00	1.61	1765.37
	69.00	1.58	1765.37
	72.00	1.56	1765.37
	75.00	1.53	1765.37
	78.00	1.51	1766.47
-2:23 2ND SHUT-IN	0.00	0.00	1766.47

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES INC.

DATA SUMMARY

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : FLOYD UNIT #2  
 DATE OF TEST : 9-6-1995 LOCATION : 330 FNL900 FWL 3-358-31W  
 DST. NO : 6 SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

TRANSMISSIBILITY

Oil (md.ft/cp): ..... 151.39  
 Gas (md.ft/cp): ..... 0.00

EFFECTIVE PERMEABILITY

Oil (md): ..... 36.94  
 Gas (md): ..... 0.00

TOTAL MOBILITY (md/cp): ..... 51.81

TOTAL COMPRESSIBILITY (psi-1): ..... 6.79E-06

ESTIMATED DAMAGE RATIO: ..... 3.16

CALCULATED DAMAGE RATIO: ..... 2.59

Reservoir Temperature (F): ..... 0.00

Formation Porosity : ..... .10

Formation Thickness (ft): ..... 4.00

Wellbore Radius (in): ..... 3.94

Reservoir Compressibility (psi-1): ..... 4.80E-07

Calculated Skin Factor : ..... 9.50

PRODUCTION WITH DAMAGE REMOVED (bbl/D): ..... 223.60

PRODUCTION OF WATER WITH DAMAGE REMOVED(bbl/D)..... 33.29

PRODUCTIVITY INDEX (bbl/psi): ..... .07

Final Flow Pressure (psi): ..... 541.00

APPROXIMATE RADIUS OF INVESTIGATION (ft): ..... 171.56

Total Flowing Time (min): ..... 40.00

EXTRAPOLATED RESERVOIR PRESSURE (psi): ..... 1787.00

Slope of Build-up Curve (psi/log cycle): ..... 92.66

Effective Producing Time (min): ..... 40.00

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : MUSTANG OIL & GAS CORP. WELL NAME : HAYW UNIT #3  
 DATE OF TEST : 9-6-1995 LOCATION : 3301 FM 2001 PM. 3-355-310  
 DST. NO : 6 SHUT-IN PERIOD : 2

INTERPRETIVE DATA (DAYS)

TRANSMISSIBILITY  
 Oil (md.ft/cp): ..... 0.00  
 Gas (md.ft/cp): ..... 3146.64

EFFECTIVE PERMEABILITY  
 Oil (md): ..... 0.00  
 Gas (md): ..... 183.73

TOTAL MOBILITY (md/cp): ..... 648.66

TOTAL COMPRESSIBILITY (psi<sup>-1</sup>): ..... 2.08E-05

ESTIMATED DAMAGE RATIO: ..... 2.02

CALCULATED DAMAGE RATIO: ..... 1.55

Reservoir Temperature (F): ..... 0.00  
 Formation Porosity : ..... .18  
 Formation Thickness (ft): ..... 4.00  
 Wellbore Radius (in): ..... 3.94  
 Reservoir Compressibility (psi<sup>-1</sup>): ..... 4.00E-07  
 Calculated Skin Factor : ..... 3.65

PRODUCTION WITH DAMAGE REMOVED (MCF/D): ..... 2083.07

PRODUCTIVITY INDEX (MCF/psi): ..... 1.08  
 PRODUCTION OF WATER WITH DAMAGE REMOVED(bbl/D)..... 19.92

Final Flow Pressure (psi): ..... 541.00

APPROXIMATE RADIUS OF INVESTIGATION (ft): ..... 354.91

Total Flowing Time (min): ..... 40.00

EXTRAPOLATED RESERVOIR PRESSURE (psi): ..... 1736.53

Slope of Build-up Curve (psi/log cycle): ..... 322355.60  
 Effective Producing Time (min): ..... 40.00

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.