

Gauge No. 1891			Depth 4076'				Clock No. ???			12 hour		Ticket No. 436243			
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.000	11	.000		98	.000	103	.000		190					
1	.0277	21*	.0136		1129	.0340	119	.0273		1175*					
2	.0624	37	.0272		1186	.0680	133	.0409		1198					
3	.0970	53	.0408		1208	.1020	149	.0545		1211					
4	.1317	70	.0544		1222	.1360	163	.0681		1220					
5	.1664	84	.0680		1231	.1700	177	.0818		1226					
6	.2010	98	.0816		1236	.2040	190	.0954		1230					
7			.0952		1241			.1090		1234					
8			.1088		1243			.1227		1236					
9			.1224		1247			.1363		1239					
10			.1360		1249			.1499		1241					
11			.1496		1250			.1636		1243					
12			.1632		1251			.1772		1244					
13			.1768		1253			.1908		1245					
14			.1904		1255			.2044		1247					
15			.2040		1255			.2180		1248					

Gauge No. 1890			Depth 4137'				Clock No. ???			12 hour		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.000	43	.000		128	.000	133	.000		221		
1	.0275	50*	.0136		1162	.0340	147	.0274		1207*		
2	.0618	66	.0272		1216	.0680	162	.0411		1228		
3	.0961	82	.0408		1238	.1020	177	.0548		1241		
4	.1304	98	.0544		1251	.1360	193	.0685		1249		
5	.1647	113	.0680		1260	.1700	208	.0821		1255		
6	.1990	128	.0816		1265	.2040	221	.0958		1260		
7			.0952		1269			.1095		1264		
8			.1088		1272			.1232		1266		
9			.1224		1274			.1369		1269		
10			.1360		1277			.1506		1270		
11			.1496		1279			.1643		1273		
12			.1632		1280			.1780		1273		
13			.1768		1282			.1917		1274		
14			.1904		1282			.2054		1276		
15			.2040		1284			.2190		1277		

Reading Interval 5

2

5

2

Minutes

REMARKS: * = 4 minute interval.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5"	2.50"	1'	
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	4064'	
Drill Collars				
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	4065'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4074'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	4076'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4086'
Distributor				
Packer Assembly	6.75"	1.53"	4'	4092'
Bottom of NR	5"	2.37"	2'	
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2.37"	41'	
HT-500	5"	2.25"	1'	4135'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4137'
Total Depth				4140'

TEMPERATURE RECORDER CHART



10° each circle

PHOTOGRAPHIC NEGATIVE
FOR THIS CHART ON FILE
THREE YEARS FROM DATE AT
HALLIBURTON - DUNCAN
OKLA.



436243

TEMPERATURE

Recorder Chart

TKT. NO. 436243 DATE 11-1-78

COMPANY ISERN Pet. Co.

LEASE WEINS WELL NO. #3

FIELD BEARDO COUNTY THOMAS

DEVICE NO. _____ RANGE 70-170 °F

CLOCK SPEED/REV. _____

RECORDER DEPTH 4135 FT.

TEMPERATURE READING MAX. 131 °F

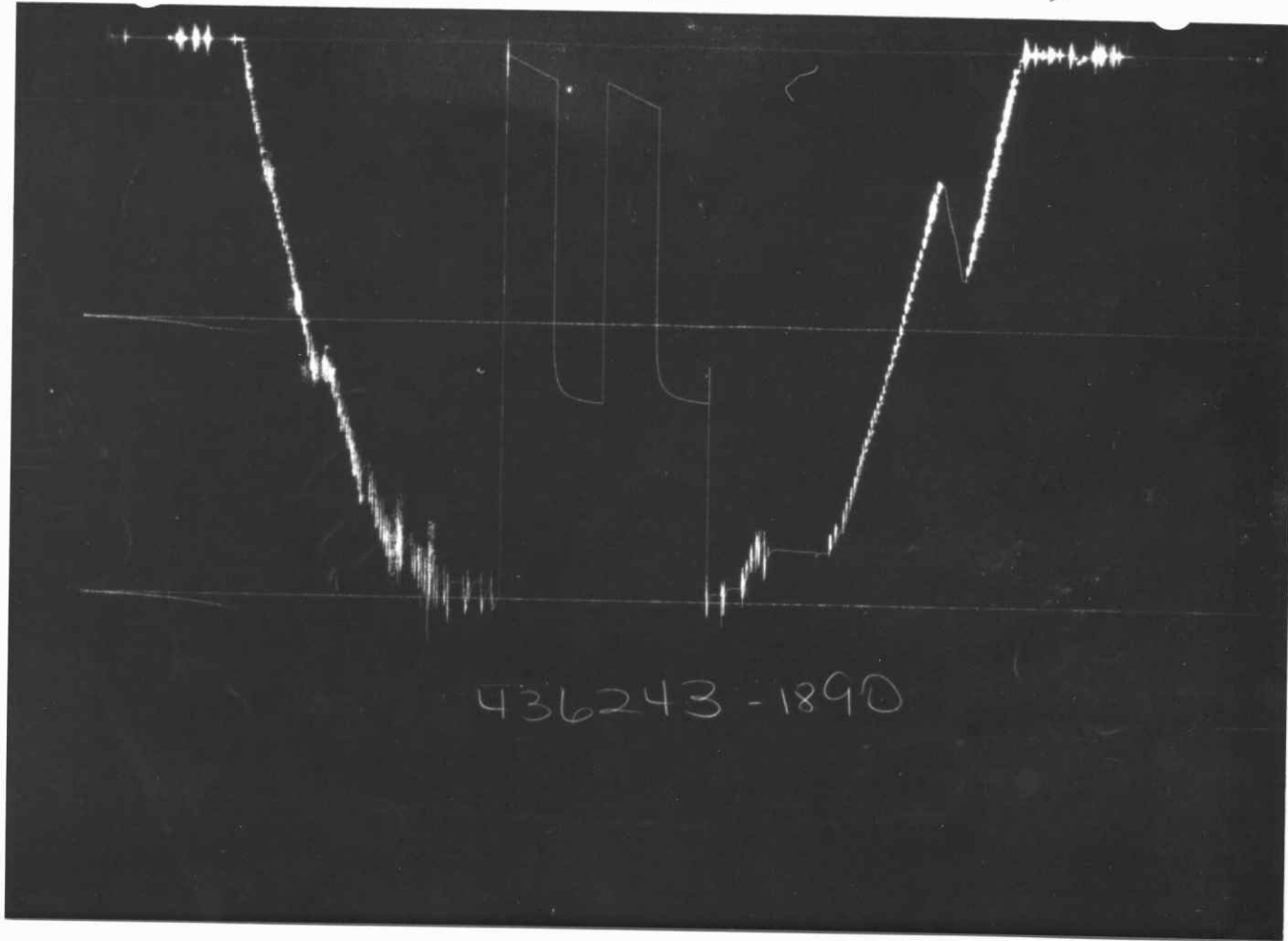
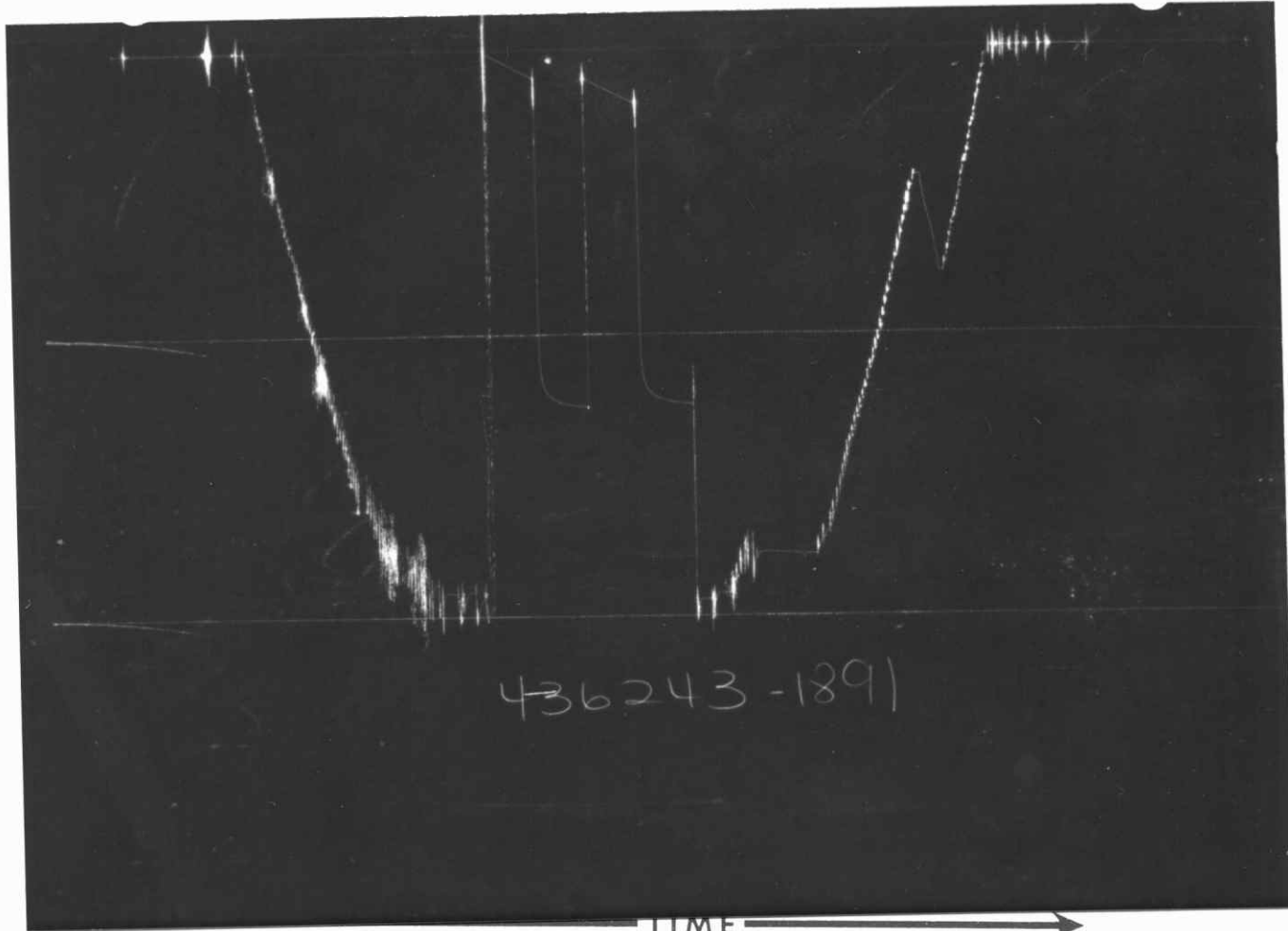
TESTER F. Tallo

HALLIBURTON NO. 1657

PRINTED USA

..... Psig.
 Psig.
 Feet
 bbls/day
 bbls/day
 MCF/D
 bbls
 Feet
 Minutes
 Minutes
 °R
 CP
 ry Table When Elevation Not Given,

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.

436243-1891

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436243 Date 11-1-78Company ISERN Petroleum Co.Lease WEINS Well No. #1

FIELD READINGS

Device No. <u>1891</u>		12 Hr. Clock No. <u>12</u>	
B. T. Gauge Depth <u>4076</u> Ft.		Estimated Gauge Depth Temperature °F	
Initial Hydro. Mud Pressure		Thousands of Inch	Pressure P.S.I.
1st	Initial Flow Pressure		
	Final Flow Pressure		
	First Closed In Pressure		
2nd	Initial Flow Pressure		
	Final Flow Pressure		
	Second Closed In Pressure		
3rd	Initial Flow Pressure		
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure			

FORM 892-R4

Tester E. Tally

Printed in U.S.A.



A Halliburton Company

Photographic negative for this chart on file three years from date at Halliburton Duncan, Oklahoma 73533

436243-1890

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436243 Date 11-1-78Company ISERN Petroleum Co.Lease WEINS Well No. #3

FIELD READINGS

Device No. <u>1890</u>		12 Hr. Clock No. <u>12</u>	
B. T. Gauge Depth <u>4137</u> Ft.		Estimated Gauge Depth Temperature °F	
Initial Hydro. Mud Pressure		Thousands of Inch	Pressure P.S.I.
1st	Initial Flow Pressure	<u>2.200</u>	<u>1981</u>
	Final Flow Pressure	<u>.050</u>	<u>45</u>
	First Closed In Pressure	<u>.140</u>	<u>126</u>
2nd	Initial Flow Pressure	<u>1.430</u>	<u>1284</u>
	Final Flow Pressure	<u>.130</u>	<u>117</u>
	Second Closed In Pressure	<u>.240</u>	<u>215</u>
3rd	Initial Flow Pressure	<u>1.420</u>	<u>1275</u>
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure		<u>2.180</u>	<u>1963</u>

FORM 892-R4

Tester E. Tally

Printed in U.S.A.



A Halliburton Company

Photographic negative for this chart on file three years from date at Halliburton Duncan, Oklahoma 73533

Gauge No. 1891			Depth 4204'				Clock No.-----			12 hour		Ticket No. 436244		
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	11		17	.000	20								
1	.0499	11*		872**	.040	20								
2	.0812	12		1120										
3	.1124	14		1149										
4	.1436	16		1161										
5	.1748	17		1167										
6	.2060	17		1173										
7				1176										
8				1179										
9				1180										
10				1182										
11				1185										
12				1186										
13				1187										
14				1188										
15				1189										

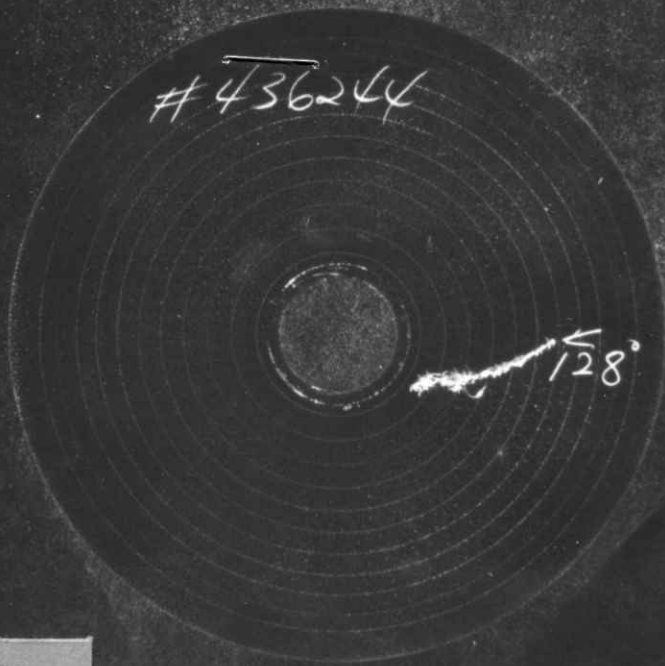
Gauge No. 1890			Depth 4247'				Clock No.-----			hour 12				
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	30		36	.000	44								
1	.0497	31*		981**	.038	39								
2	.0808	32		1152										
3	.1118	33		1170										
4	.1429	34		1180										
5	.1739	35		1187										
6	.2050	36		1190										
7				1194										
8				1197										
9				1199										
10				1201										
11				1203										
12				1205										
13				1205										
14				1206										
15				1208										

Reading Interval 5 2 Minutes

REMARKS: *-8 minutes **-3 minutes.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub	5"	2.50"	1'	
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	4193'	
Drill Collars				
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	4193'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4202'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25 "	4'	4204'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53 "	6'	4214'
Distributor				
Packer Assembly	6.75"	1.53 "	4'	4220'
	5"	2.37"	2' Bottom of NR	
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2.37"	23'	
	5"	2.25"	1'	4245'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4247'
Total Depth				4250'

TEMPERATURE RECORDER CHART



10° each circle

PHOTOGRAPHIC NEGATIVE
FOR THIS CHART ON FILE
THREE YEARS FROM DATE AT
HALLIBURTON - DUNCAN
OKLA.



436244

TEMPERATURE Recorder Chart

TKT. NO. 436244 DATE 11-2-78

COMPANY ISERN Pet. Co.

LEASE WEINS WELL NO. #3

FIELD _____ COUNTY THOMAS

DEVICE NO. _____ RANGE 70-170 °F

CLOCK SPEED/REV. _____

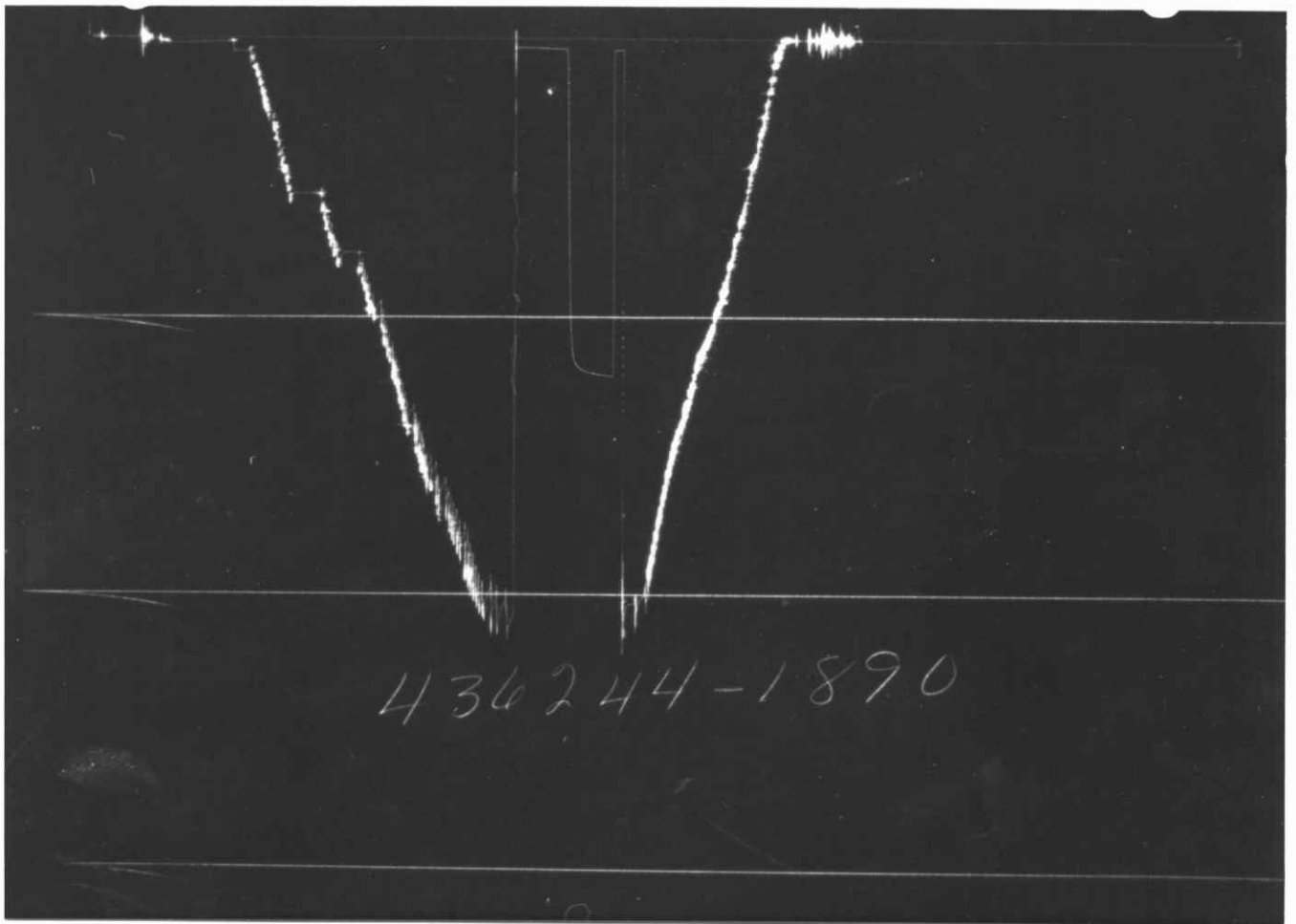
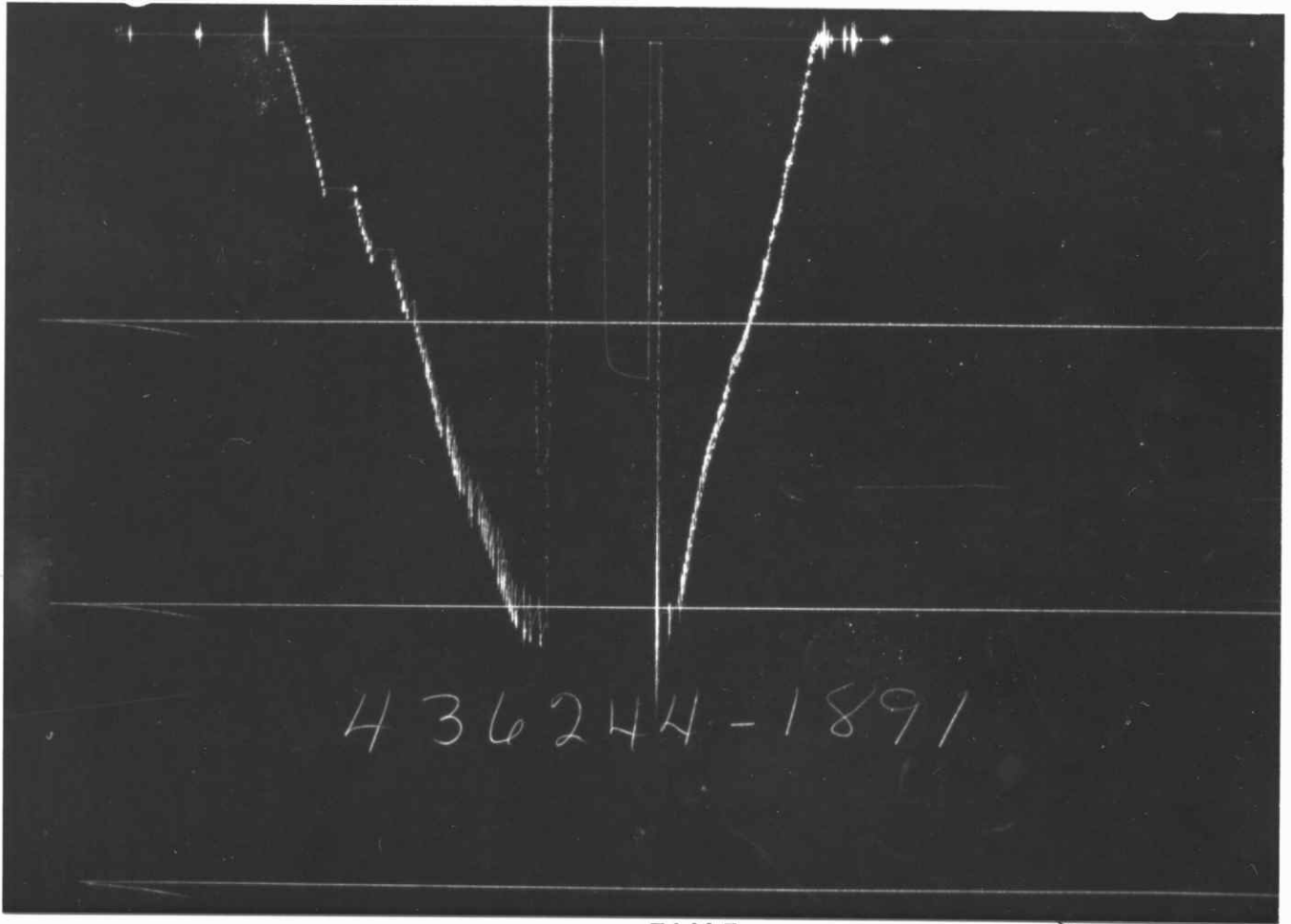
RECORDER DEPTH 4245 FT.

TEMPERATURE READING MAX. 128 °F

TESTER E. Tally
HALLIBURTON NO. 1657 PRINTED USA

Damage Removed Min. MCF/D
..... Psig.
..... Psig.
) Feet
ring Test bbls/day
moved bbls/day
..... MCF/D
..... bbls
..... Feet
..... Minutes
..... Minutes
..... °R
..... CP
ry Table When Elevation Not Given,

PRESSURE



Each Horizontal Line Equal to 1000 p.s.i.

436244-1891

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436244 Date 11-2-78

Company ISEEN Petroleum Co.

Lease WEINS Well No. #3

FIELD READINGS

Device No. 1891		12 Hr. Clock No.	
B. T. Gauge Depth 4204 Ft.		Estimated Gauge Depth Temperature °F	
Initial Hydro. Mud Pressure		Thousands of Inch	Pressure P.S.I.
1st	Initial Flow Pressure		
	Final Flow Pressure		
	First Closed In Pressure		
2nd	Initial Flow Pressure		
	Final Flow Pressure		
	Second Closed In Pressure		
3rd	Initial Flow Pressure		
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure			

FORM 892-R4

Tester E. Tally

Printed in U.S.A.



A Halliburton Company

Photographic negative for this chart on file three years from date at Halliburton Duncan, Oklahoma 73533

436244-1890

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436244 Date 11-2-78

Company ISEEN Petroleum Co.

Lease WEINS Well No. #3

FIELD READINGS

Device No. 1890		12 Hr. Clock No.	
B. T. Gauge Depth 4247 Ft.		Estimated Gauge Depth Temperature °F	
Initial Hydro. Mud Pressure		Thousands of Inch	Pressure P.S.I.
1st	Initial Flow Pressure	2.300	2072
	Final Flow Pressure	.030	27
	First Closed In Pressure	.040	36
2nd	Initial Flow Pressure	1.340	1203
	Final Flow Pressure	.040	36
	Second Closed In Pressure	.040	36
3rd	Initial Flow Pressure		
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure		2.270	2045

FORM 892-R4

Tester E. Tally

Printed in U.S.A.



A Halliburton Company

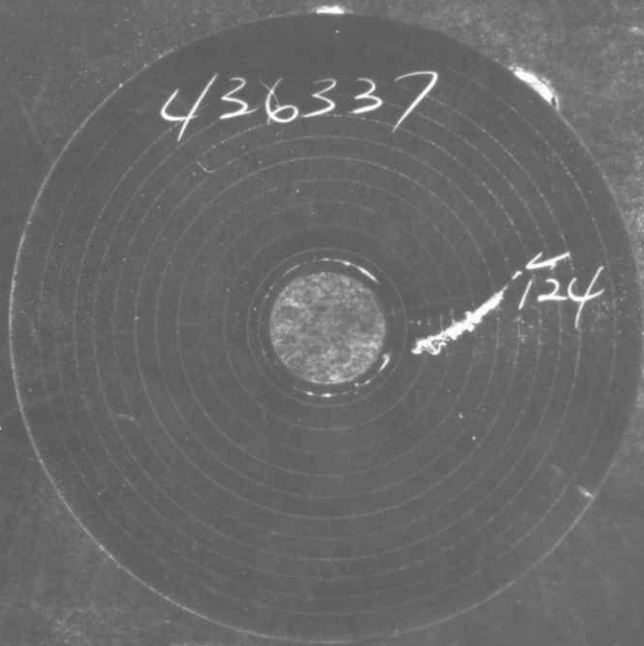
Photographic negative for this chart on file three years from date at Halliburton Duncan, Oklahoma 73533

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 436337
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0900						Called out
1015						On location, rig waiting
1030						Picked up and made up tools
1045						Tool in table
1045						Run in hole
1215						Opened tool with a weak blow, building to 6"
1245						Closed tool
1315						Opened tool with a weak blow, came back in 3 minutes, increased to 6"
1345						Closed tool
1415						Off bottom
1715						Tool in table
1745						Tool laid down
1800						Read charts
						NOTE: Explained to Geologist, picked up drill pipe to high, due to weight indicator not working. Either by pass on Hydrospring tool or safety joint partly opened letting hydrostatic return to zone.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5.75"	2.75"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	5.75"	3.826"	4217'	
Drill Collars				
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	6'	4222'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4227'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	4229'
Hydraulic Jar				
VR Safety Joint	5"	1.00"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4239'
Distributor				
Packer Assembly	6.75"	1.53"	4'	4245'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2.37"	25'	
Ht-500	5"	2.25"	1'	4270'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4272'
Total Depth				4275'

TEMPERATURE RECORDER CHART



10° each circle

PHOTOGRAPHIC NEGATIVE
FOR THIS CHART ON FILE
THREE YEARS FROM DATE AT
HALLIBURTON - DUNCAN
OKLA.



436337

TEMPERATURE Recorder Chart

T.K.T. NO. 436337 DATE 11-3-78

COMPANY Tern Petroleum Co.

LEASE Wiens WELL NO. 3

FIELD _____ COUNTY Thomas

DEVICE NO. _____ RANGE 70-170 °F

CLOCK SPEED/REV. _____

RECORDER DEPTH 4270 FT.

TEMPERATURE READING MAX. 124 °F

TESTER Gerry Brown
HALLIBURTON NO. 1657 PRINTED USA

Damage Removed Max. MCF/D

Damage Removed Min. MCF/D

..... Psig.

..... Psig.

..... Feet

ing Test bbls/day

oved bbls/day

..... MCF/D

..... bbls

..... Feet

..... Minutes

..... Minutes

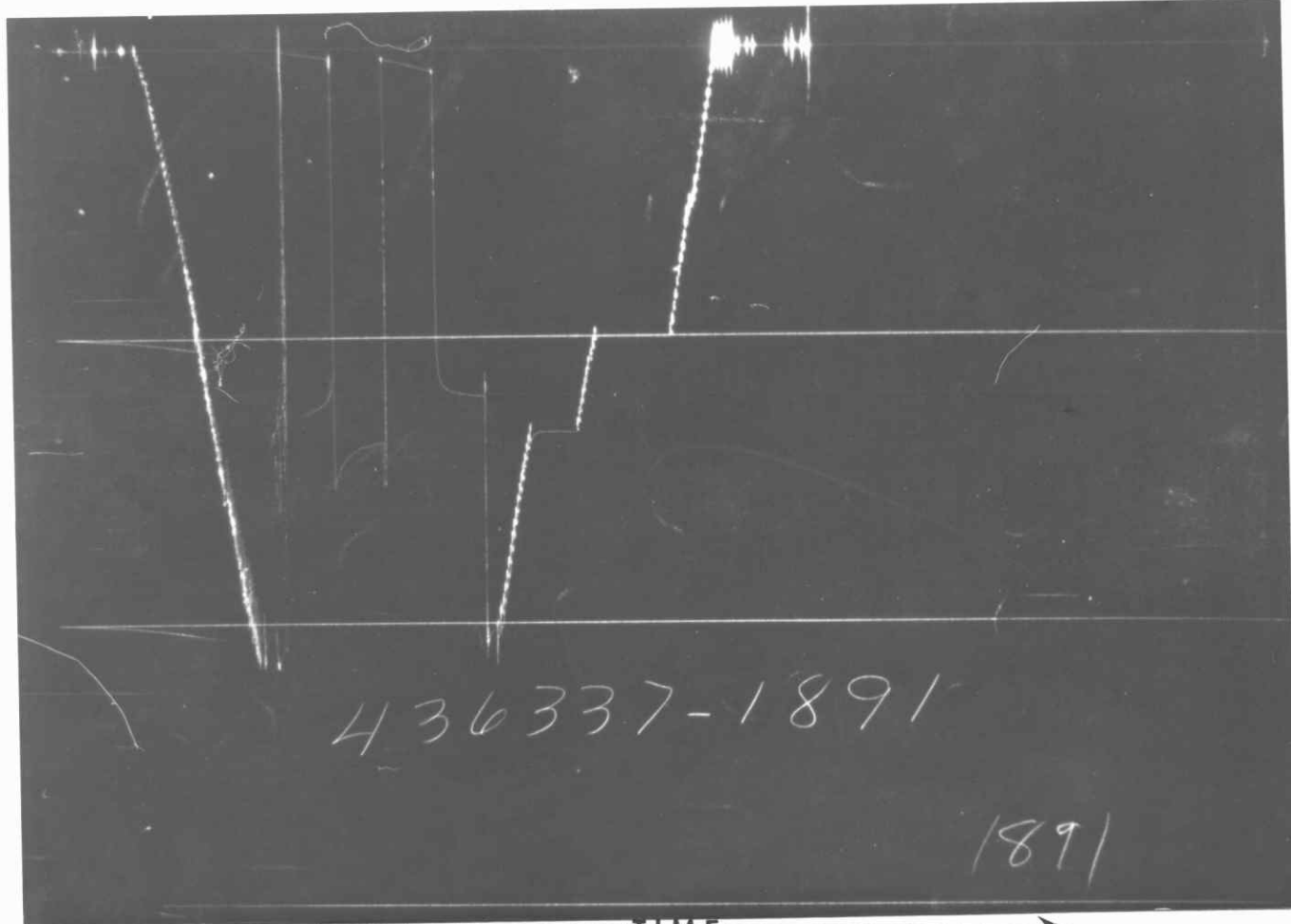
..... °R

.....

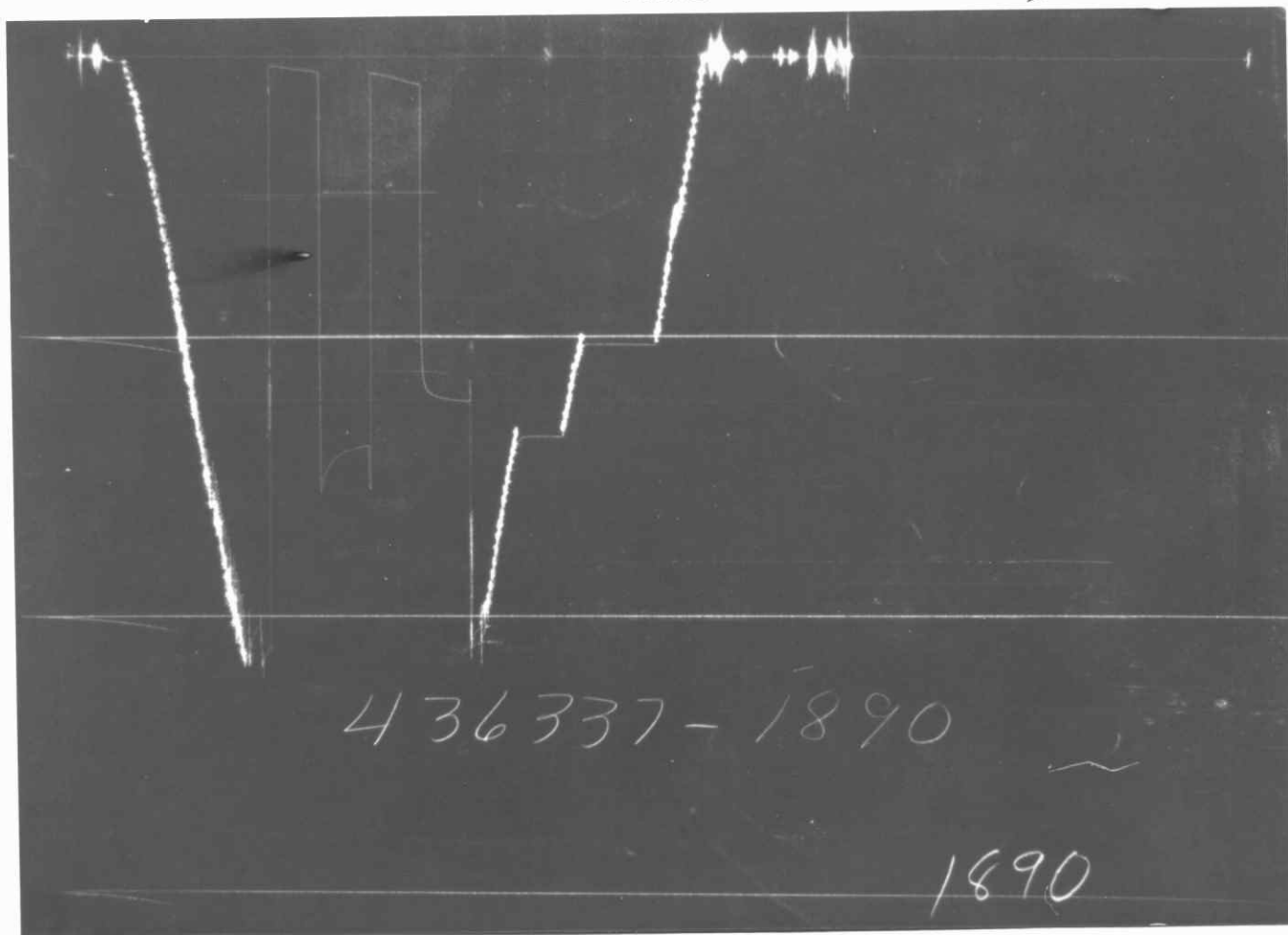
..... CP

ry Table When Elevation Not Given,

PRESSURE



TIME



Each Horizontal Line Equal to 1000 p.s.i.

436337-1891

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436337 Date 11-3-78Company Isern Petroleum Co.Lease Wiens Well No. 3

FIELD READINGS

Device No. <u>1891</u>		12 Hr. Clock No.	
B. T. Gauge Depth <u>4229</u> Ft.		Estimated Gauge Depth Temperature °F	
Initial Hydro. Mud Pressure		Thousands of Inch	Pressure P.S.I.
1st	Initial Flow Pressure		
	Final Flow Pressure		
	First Closed In Pressure		
2nd	Initial Flow Pressure		
	Final Flow Pressure		
	Second Closed In Pressure		
3rd	Initial Flow Pressure		
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure			

FORM 892-R4

Tester Gerry Brown

Printed in U.S.A.



A Halliburton Company

Photographic negative for this chart on file three years from date at Halliburton Duncan, Oklahoma 73533

436337-1890

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436337 Date 11-3-78Company Isern Petroleum Co.Lease Wiens Well No. 3

FIELD READINGS

Device No. <u>1890</u>		12 Hr. Clock No.	
B. T. Gauge Depth <u>4272</u> Ft.		Estimated Gauge Depth Temperature °F	
Initial Hydro. Mud Pressure		Thousands of Inch	Pressure P.S.I.
1st	Initial Flow Pressure	<u>2.340</u>	<u>2109</u>
	Final Flow Pressure	<u>.030</u>	<u>27</u>
	Final Flow Pressure	<u>.060</u>	<u>54</u>
	First Closed In Pressure	<u>.0</u>	
2nd	Initial Flow Pressure	<u>.060</u>	<u>54</u>
	Final Flow Pressure	<u>.110</u>	<u>99</u>
	Second Closed In Pressure	<u>1.360</u>	<u>1221</u>
	Initial Flow Pressure		
3rd	Final Flow Pressure		
	Third Closed In Pressure		
	Final Hydro. Mud Pressure	<u>2.300</u>	<u>2072</u>

FORM 892-R4

Tester Gerry Brown

Printed in U.S.A.



A Halliburton Company

Photographic negative for this chart on file three years from date at Halliburton Duncan, Oklahoma 73533

Gauge No. 1891			Depth 4264'				Clock No. ??			12 hour		Ticket No. 436338			
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	13	.0000		81	.0000	84	.0000		137					
1	.0333	25	.0132		1084	.0345	93	.0065*		996					
2	.0667	38	.0264		1130	.0690	103	.0194		1067					
3	.1000	50	.0396		1153	.1035	112	.0323		1094					
4	.1333	61	.0528		1167	.1380	122	.0452		1110					
5	.1667	71	.0660		1177	.1725	130	.0581		1122					
6	.2000	81	.0792		1186	.2070	137	.0710		1131					
7			.0924		1192			.0839		1138					
8			.1056		1197			.0968		1144					
9			.1188		1201			.1097		1150					
10			.1320		1206			.1226		1153					
11			.1452		1209			.1355		1157					
12			.1584		1212			.1484		1160					
13			.1716		1215			.1613		1163					
14			.1848		1216			.1742		1166					
15			.1980		1217			.1870		1168					

Gauge No. 1890			Depth 4292'				Clock No. ??			12 hour	
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	
0	.0000	41	.0000		94	.0000	104	.0000		152	
1	.0337	59	.0133		1092	.0338	108	.0067*		978	
2	.0673	51	.0267		1142	.0677	116	.0202		1079	
3	.1010	64	.0400		1167	.1015	125	.0336		1108	
4	.1347	74	.0534		1181	.1353	134	.0471		1124	
5	.1684	84	.0667		1191	.1692	143	.0605		1137	
6	.2020	94	.0800		1200	.2030	152	.0740		1146	
7			.0934		1207			.0874		1153	
8			.1067		1212			.1009		1159	
9			.1201		1217			.1143		1163	
10			.1334		1221			.1278		1168	
11			.1467		1224			.1412		1171	
12			.1601		1227			.1547		1174	
13			.1734		1229			.1681		1178	
14			.1868		1232			.1816		1181	
15			.2000		1233			.1950		1182	

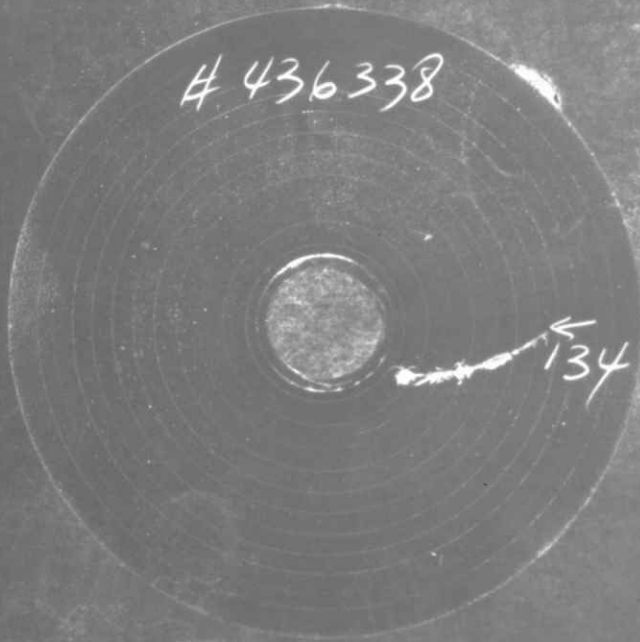
Reading Interval 5 2 5 2 Minutes

REMARKS: *First interval is equal to 1 minute

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4252'	
Drill Collars				
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	6'	4257'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4262'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	4264'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6'	4274'
Distributor				
Packer Assembly	6.75"	1.53"	4'	4280'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2.37"	10'	
HT 500	5"	2.25"	1'	4290'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4292'
Total Depth				4295'

5

TEMPERATURE
RECORDER
CHART



10° each circle

PHOTOGRAPHIC NEGATIVE
FOR THIS CHART ON FILE
THREE YEARS FROM DATE AT
HALLIBURTON - DUNCAN
OKLA.



436338

TEMPERATURE
Recorder Chart

T.K.T. NO. 436338 DATE 11-5-78

COMPANY Isern Petroleum Co

LEASE Wiens WELL NO. 3

FIELD _____ COUNTY Thomas

DELETED

DEVICE NO. _____ RANGE 70-170 °F

CLOCK SPEED/REV. _____ °R

RECORDER DEPTH 4290 FT.

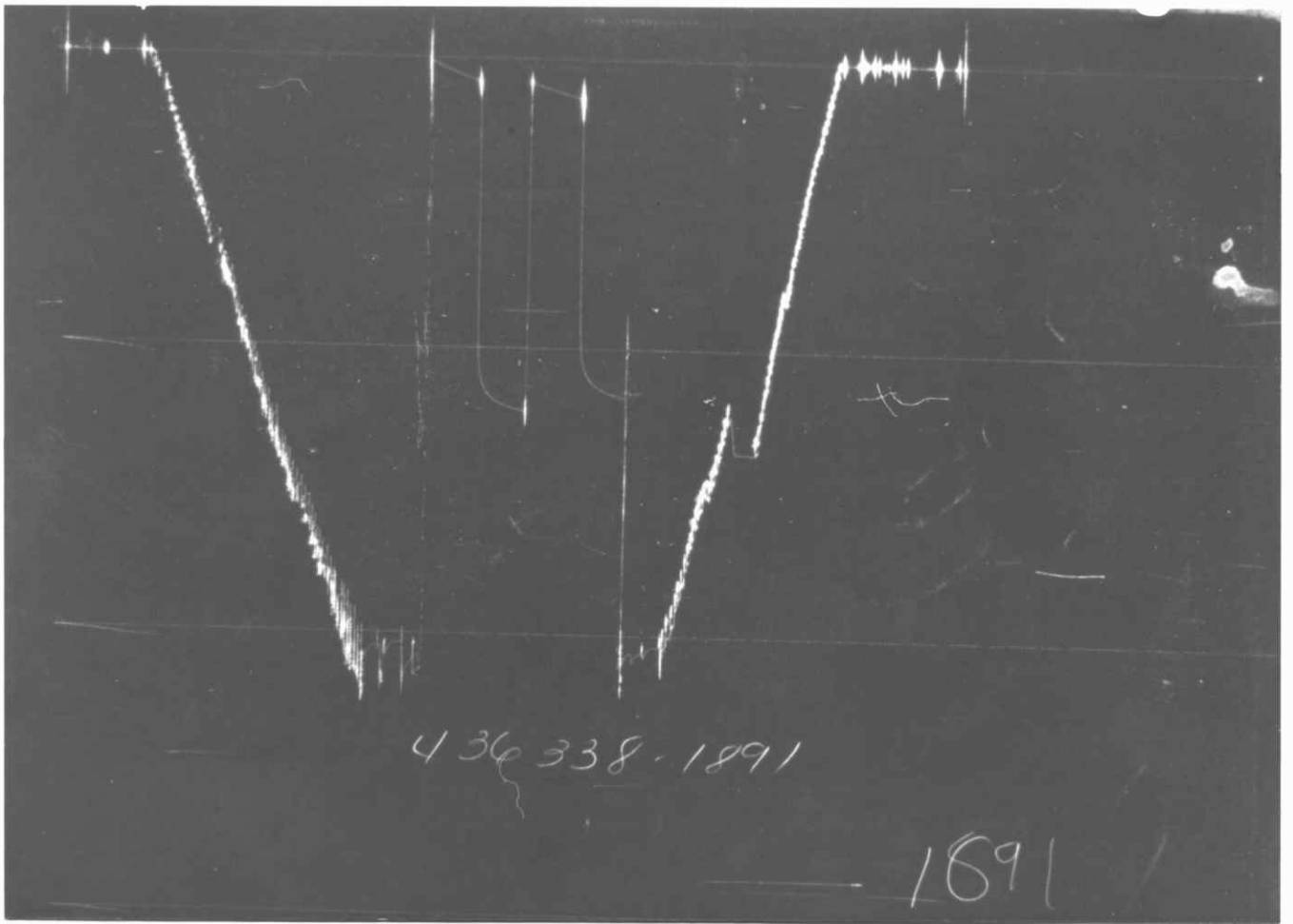
TEMPERATURE READING MAX. 134 °F

TESTER Gerry Brown

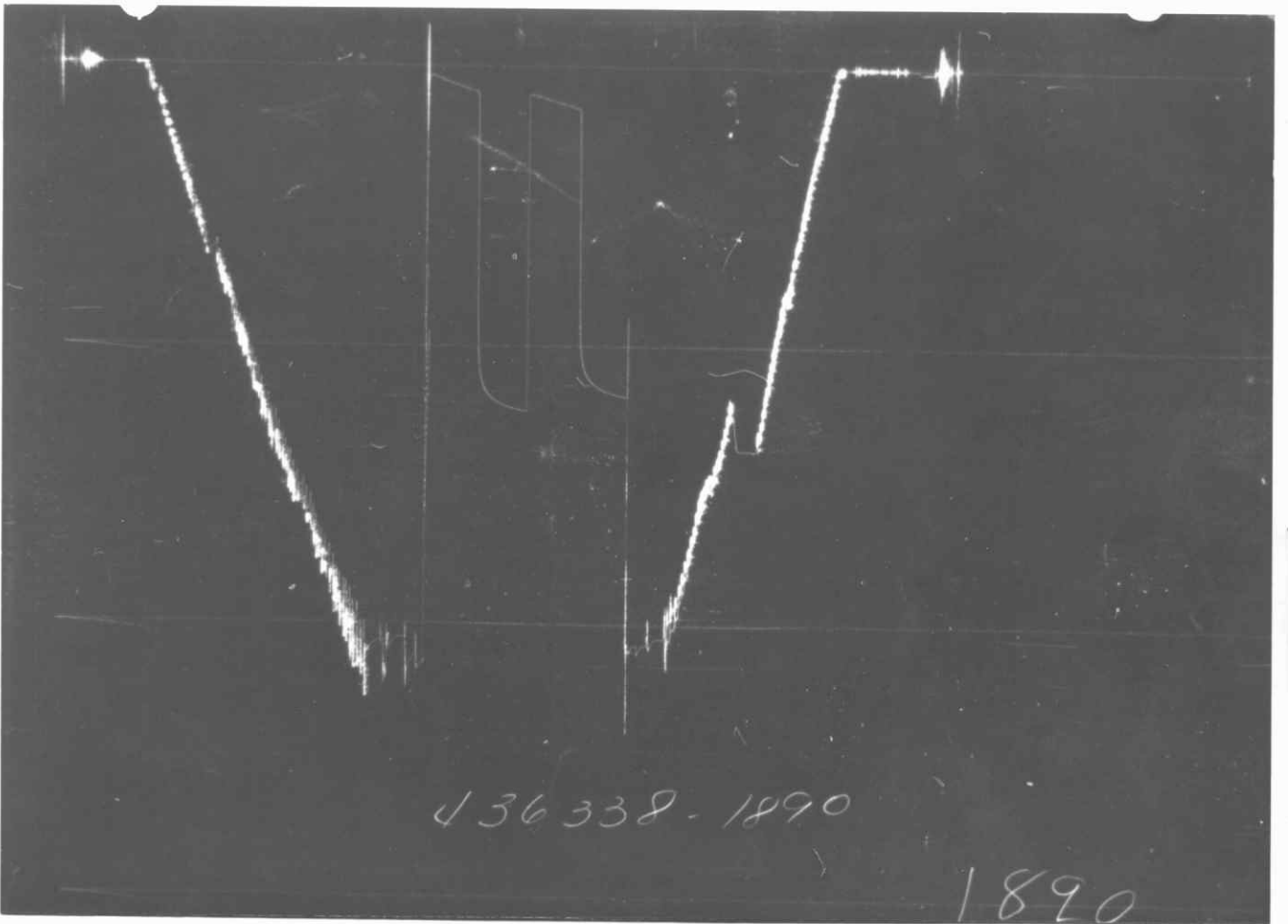
HALLIBURTON NO. 1657 PRINTED USA

Removed Max. MCF/D
Removed Min. MCF/D
..... Psig.
..... Psig.
..... Feet
..... bbls/day
..... bbls/day
..... MCF/D
..... bbls
..... Feet
..... Minutes
..... Minutes
..... °R
.....
..... CP
e When Elevation Not Given,

PRESSURE



TIME



Each Horizontal Line Equal to 1000 p.s.i.

436338-1891

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436338 Date 11-5-78
 Company Isern Petroleum Co
 Lease Wiens Well No. 3

FIELD READINGS

Device No.	1891	12 Hr. Clock No.	
B. T. Gauge Depth	4264 Ft.	Estimated Gauge Depth Temperature	°F
Initial Hydro. Mud Pressure	Thousands of Inch	Pressure P.S.I.	
1st	Initial Flow Pressure		
	Final Flow Pressure		
	First Closed In Pressure		
2nd	Initial Flow Pressure		
	Final Flow Pressure		
	Second Closed In Pressure		
3rd	Initial Flow Pressure		
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure			

FORM 892-R4

Tester



A Halliburton Company

Printed in U.S.A.

Photographic negative for this chart on file three years from date at Halliburton Duncan, Oklahoma 73533

436338-1890

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436338 Date 11-5-78
 Company Isern Petroleum Co
 Lease Wiens Well No. 3

FIELD READINGS

Device No.	1890	12 Hr. Clock No.	
B. T. Gauge Depth	4292 Ft.	Estimated Gauge Depth Temperature	°F
Initial Hydro. Mud Pressure	Thousands of Inch	Pressure P.S.I.	
1st	Initial Flow Pressure	2.370	2136
	Final Flow Pressure	.030	77
	First Closed In Pressure	.100	90
2nd	Initial Flow Pressure	1.380	1739
	Final Flow Pressure	.110	99
	Second Closed In Pressure	.160	143
3rd	Initial Flow Pressure	1.310	1176
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure	2.320	2090	

FORM 892-R4

Tester



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Photographic negative for this chart on file three years from date at Halliburton Duncan, Oklahoma 73533

FLUID SAMPLE DATA				Date 11-7-78		Ticket Number 436245	
Sampler Pressure _____ P.S.I.G. at Surface				Kind of Job OPEN HOLE		Halliburton District OBERLIN	
Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____				Tester E. TALLY		Witness LEWIS CHABB	
Gravity _____ ° API @ _____ °F.				Drilling Contractor WESTERN PETROLEUM COMPANY DR			
Gas/Oil Ratio _____ cu. ft./bbl.				EQUIPMENT & HOLE DATA			
RESISTIVITY _____ CHLORIDE CONTENT _____				Formation Tested Johnson			
Recovery Water @ _____ °F. _____ ppm				Elevation 3161' Ft.			
Recovery Mud @ _____ °F. _____ ppm				Net Productive Interval 6' Ft.			
Recovery Mud Filtrate @ _____ °F. _____ ppm				All Depths Measured From Kelly Bushing			
Mud Pit Sample @ _____ °F. _____ ppm				Total Depth 4640' Ft.			
Mud Pit Sample Filtrate @ _____ °F. _____ ppm				Main Hole/Casing Size 7 7/8"			
Mud Weight 9.8 vis 44 sec				Drill Collar Length - I.D. -			
				Drill Pipe Length 4574' I.D. 3.826"			
				Packer Depth(s) 4596-4602' Ft.			
				Depth Tester Valve 4584' Ft.			
Cushion		TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke	
				Pres. Valve	.25"	.75"	
Recovered	40	Feet of muddy water					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks SEE PRODUCTION TEST DATA SHEET							
TEMPERATURE		Gauge No. 1891		Gauge No. 1890		Gauge No.	
Depth: 4586 Ft.		Depth: 4637 Ft.		Depth: _____ Ft.		TIME	
Est. _____ °F.		12 Hour Clock		12 Hour Clock		Tool _____ A.M.	
Actual 4635' °F.		Blanked Off NO		Blanked Off YES		Opened 1505 P.M.	
Actual 132 °F.		Pressures		Pressures		Opened _____ A.M.	
		Field	Office	Field	Office	Bypass 1615 P.M.	
Initial Hydrostatic			2398	2437	2427	Reported	Computed
First Period Flow Initial			10	45	40	Minutes	Minutes
Flow Final			11	45	39		
Closed in			1257	1284	1280	30	30
Second Period Flow Initial			31	45	45		
Flow Final			49	45	43	10	5
Closed in							
Third Period Flow Initial							
Flow Final							
Closed in							
Final Hydrostatic			2309	2400	2335		

Legal Location Sec - Twp - Rng. 34-9S-33W
 Lease Name WEINS
 Well No. 3
 Test No. 5
 Tested Interval 4602-4640'
 County THOMAS
 State KANSAS
 Lease Owner/Company Name ISERN PETROLEUM COMPANY

Gauge No. 1891			Depth 4586'				Clock No. -----			12 hour		Ticket No. 436245			
First Flow Period			First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	10	.000		11	.000	31								
1	.199	11	.208		25	.025	49								
2			.0416		77										
3			.0624		242										
4			.0832		474										
5			.1040		670										
6			.1248		832										
7			.1456		982										
8			.1664		1103										
9			.1872		1194										
10			.2080		1257										
11															
12															
13															
14															
15															

Gauge No. 1890			Depth 4637'				Clock No. -----			hour 12	
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	
0	.000	40	.000		39	.000	45				
1	.202	39	.0205		61	.032	43				
2			.0410		125						
3			.0615		299						
4			.0820		507						
5			.1025		704						
6			.1230		870						
7			.1435		1005						
8			.1640		1116						
9			.1845		1205						
10			.2050		1280						
11											
12											
13											
14											
15											

Reading Interval 3 Minutes

REMARKS:

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5"	2.50"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	4574'	
Drill Collars				
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	5'	4575'
Dual CIP Sampler				
Hydro-Spring Tester	5"	.75"	5'	4584'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	4586'
Hydraulic Jar				
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53 "	6'	4596'
Distributor				
Packer Assembly	6.75'	1.53"	4'	4602'
	5"	1.27"	2' Bottom of NR	
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5"	2.37"	31'	
HT-500	5"	2.25'	2'	4635'
Blanked-Off B.T. Running Case	5"	2.44"	4'	4637'
Total Depth				4640'

TEMPERATURE RECORDER CHART



10° each circle

PHOTOGRAPHIC NEGATIVE
FOR THIS CHART ON FILE
THREE YEARS FROM DATE AT
HALLIBURTON - DUNCAN
OKLA.



436245
TEMPERATURE
Recorder Chart

TKT. NO. 436245 DATE 11-7-78

COMPANY ISEEN Petroleum Co.

LEASE Wains WELL NO. 3

FIELD COUNTY THOMAS

DEVICE NO. RANGE 70-170 °F

CLOCK SPEED/REV.

RECORDER DEPTH 4635 FT.

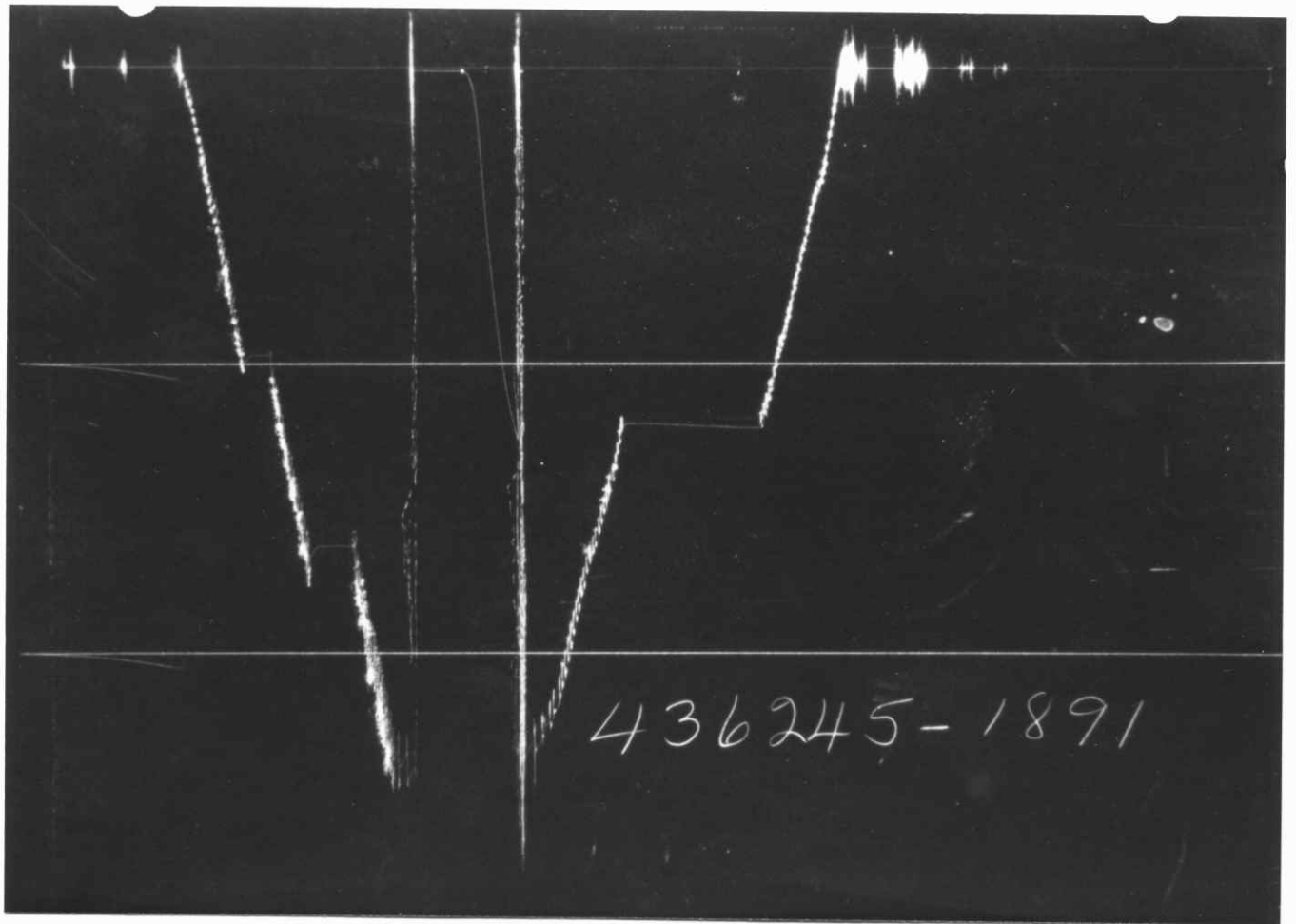
TEMPERATURE READING MAX. 132 °F

TESTER E. Tally
HALLIBURTON NO. 1657 PRINTED USA

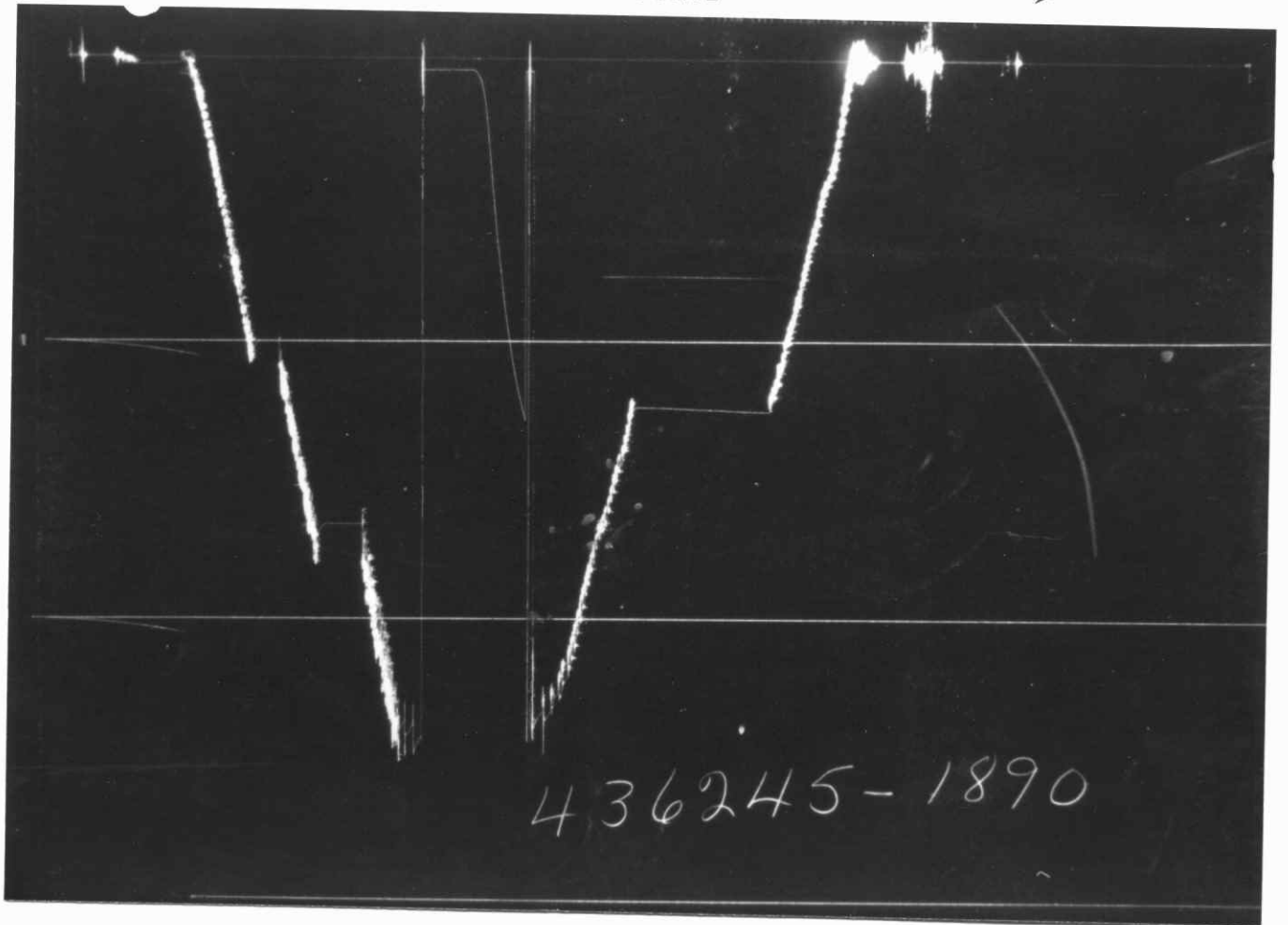
age Removed Max. MCF/D
age Removed Min. MCF/D
. Psig.
. Psig.
. Feet
Test bbls/day
ed bbls/day
. MCF/D
. bbls
. Feet
. Minutes
. Minutes
. °R
.
. CP

Table When Elevation Not Given,

PRESSURE



TIME



Each Horizontal Line Equal to 1000 p.s.i.

436245-1891

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436245 Date 11-7-78

Company ISEEN Petroleum Co.

Lease Weins Well No. #3

FIELD READINGS

Device No. 1891		12 Hr. Clock No.	
B. T. Gauge Depth 4584 Ft.		Estimated Gauge Depth Temperature °F	
Initial Hydro. Mud Pressure		Thousands of Inch	Pressure P.S.I.
1st	Initial Flow Pressure		
	Final Flow Pressure		
	First Closed In Pressure		
2nd	Initial Flow Pressure		
	Final Flow Pressure		
	Second Closed In Pressure		
3rd	Initial Flow Pressure		
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure			

FORM 892-R4

Tester E. Tally

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A Halliburton Company

Photographic negative for this chart on file three years from date at Halliburton Duncan, Oklahoma 73533

436245-1890

5

RECORDING PRESSURE GAUGE CHART

Ticket No. 436245 Date 11-7-78

Company ISEEN Petroleum Co.

Lease Weins Well No. #3

FIELD READINGS

Device No. 1890		12 Hr. Clock No.	
B. T. Gauge Depth 4637 Ft.		Estimated Gauge Depth Temperature °F	
Initial Hydro. Mud Pressure		Thousands of Inch	Pressure P.S.I.
1st	Initial Flow Pressure	2.700	2437
	Final Flow Pressure	.050	45
	First Closed In Pressure	.050	45
2nd	Initial Flow Pressure	1.430	1284
	Final Flow Pressure	.050	45
	Second Closed In Pressure	.050	45
3rd	Initial Flow Pressure		
	Final Flow Pressure		
	Third Closed In Pressure		
Final Hydro. Mud Pressure		2.640	2400

FORM 892-R4

Tester E. Tally

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