

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date September 24th Location 3-23-22 Elevation 2192 ft County HodgeMAN

Company Energy Three Inc. Number of Copies 5

Charts Mailed to P.O. Box 1505 Great Bend Kansas 67530

Drilling Contractor Allen Drilling Rig #2

Length Drill Pipe 496 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 X.H.

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

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

Top Packer Depth 4213 Bottom Packer Depth 4218 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 4218 TO 4230 ANCHOR LENGTH 12 TOTAL DEPTH 4230 Hole Size 7 7/8"

LEASE & WELL NO. Holmes #1 FORMATION TESTED Marmaton TEST NO. 1

Mud Weight 9.2 Viscosity 40 Water Loss 12.8 Chlorides - Pits 2300 D.S.T. _____

Maximum Temp. 122 °F Initial Hydrostatic Pressure (A) 2077 P.S.I. Final Hydrostatic Pressure (H) 2023 P.S.I.

Tool Open I.F.P. from 1:20 p.m. to 1:50 p.m. 30 min

Tool Closed I.C.I.P. from 1:50 p.m. to 2:50 p.m. 60 min

Tool Open F.F.P. from 2:50 p.m. to 3:20 p.m. 30 min

Tool Closed F.C.I.P. from 3:20 p.m. to 4:20 p.m. 60 min

from [B] <u>44</u> P.S.I. to [C] <u>55</u> P.S.I.
[D] <u>1331</u> P.S.I.
from [E] <u>88</u> P.S.I. to [F] <u>99</u> P.S.I.
[G] <u>1287</u> P.S.I.

Initial Blow Good blow off the bottom of a 5 Gallon Bucket in 5 min

Final Blow Good blow off the bottom of a 5 Gallon Bucket in 5 min

Total Feet Recovered 200 feet of total fluid Gravity of Oil _____ Corrected _____

170 Feet of CLEAN GASSY OIL 0% Gas 99% Oil 1% Mud 0% Water

30 Feet of HEAVY OIL CUT MUD 5% Gas 35% Oil 60% Mud 0% Water

760 Feet of GAS IN THE PIPE 100% Gas _____% Oil _____% Mud _____% Water

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

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

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

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

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

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

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

Remarks _____

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

Top Recorder No. 11087 Clock No. 23236 Depth 4224 Cir. Sub NONE Sampler NONE

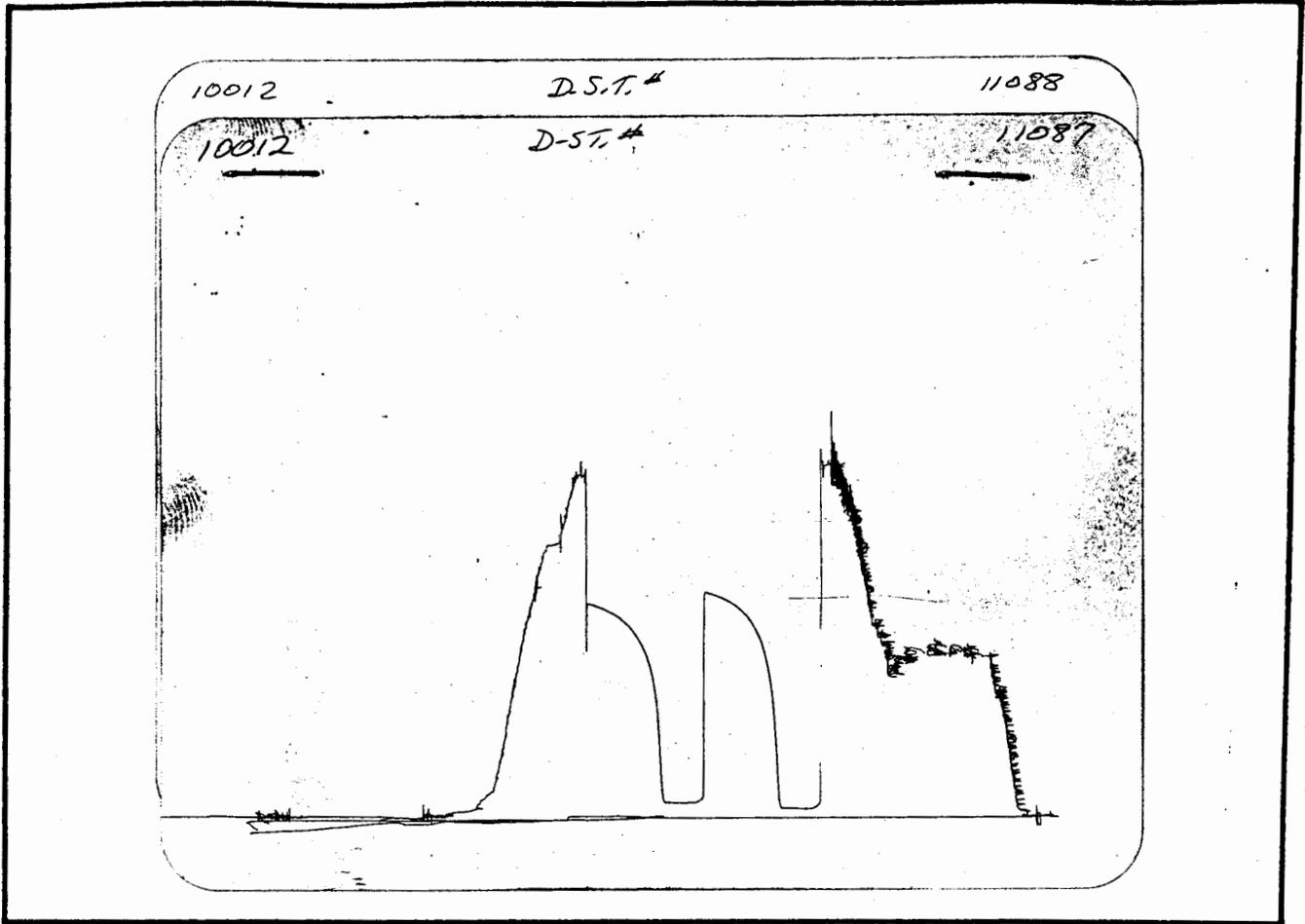
Bottom Recorder No. 11088 Clock No. 6068 Depth 4227 Insurance NONE

Price of Job 1350.⁰⁰

Tool Operator Samuel [Signature]

Approved By [Signature]

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 actual recorder chart.

POINT	PRESSURE		P.S.I.
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2077	2096	P.S.I.
(B) First Initial Flow Pressure	44	81	P.S.I.
(C) First Final Flow Pressure	55	55	P.S.I.
(D) Initial Closed-in Pressure	1331	1341	P.S.I.
(E) Second Initial Flow Pressure	88	95	P.S.I.
(F) Second Final Flow Pressure	99	93	P.S.I.
(G) Final Closed-in Pressure	1287	1274	P.S.I.
(H) Final Hydrostatic Mud	2023	2043	P.S.I.

COMPANY Energy Three Inc. LEASE - WELL NO Holmes #1 SEC 3 TWP 22 AGE 270 TEST NO. 1 DATE 9-24-86
 23 22 W

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : ENERGY THREE INC. WELL NAME : HOLMES #1
ADDRESS : P.O. BOX 1505 GREAT BEND LOCATION : 3-23-22
STATE & COUNTY : KANSAS, HODGEMAN FIELD :
ELEV. (GR) : (KB) : 2192 TEST DATE : 9-24-86

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MARMATON DRILL PIPE LENGTH(ft) : 4196
TEST INT. KB : 4218 to 4230 DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 12 WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-*kb*) : 4230 DRILL COLLAR LENGTH(ft) :
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.2 TOP PACKER DEPTH(*kb*) : 4213
MUD VISCOSITY : 40 BOTTOM PACKER DEPTH(*kb*) : 4218
MUD CHLORIDES : 2300 DUAL PACKERS : YES
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) : 122 TEST TICKET NUMBER : 10012

EXTRA EQUIPMENT :

ELEMENT SERIAL NO. : 11087
RANGE : 0 - 4350 CLOCK RANGE : 12 HOURS
CAL. EQU. : 1094.24 * Defl. + 5.06

SURFACE BLOW

1st Opening : GOOD BLOW BOTTOM OF THE BUCKET IN 5 MIN.
2nd Opening : GOOD BLOW BOTTOM OF A 5 GALLON BUCKET IN 5 MIN.

RECOVERY

Recovered 760 feet of GAS IN THE PIPE
Recovered 170 feet of CLEAN GASSY OIL
Recovered 30 feet of HEAVY OIL AND GAS CUT MUD

REMARKS :

WITNESSED BY : STEVE MILLER

TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 9-24-86
 DEPTH : 4224.0

WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 SERIAL NO. : 11087

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	----- CORRECTED
TEST NO.:1					
Depth : 4224.0 ft-kb					
-1ST HYDROSTATIC	0.0	1.901	2085.21	5.41	2090.61
-01:20 1ST FLOW	0.0	.074	86.03	-4.54	81.50
- 1:25	5.0	.050	59.77	-4.71	55.07
- 1:30	10.0	.048	57.58	-4.72	52.86
- 1:35	15.0	.047	56.49	-4.73	51.76
- 1:40	20.0	.048	57.58	-4.72	52.86
- 1:45	25.0	.049	58.68	-4.71	53.96
- 1:50	30.0	.050	59.77	-4.71	55.07
-01:50 END FLOW	0.0	.051	60.87	-4.70	56.17
- 1:53	3.0	.251	279.71	-3.28	276.43
- 1:56	6.0	.580	639.72	-.95	638.77
- 1:59	9.0	.740	814.80	.18	814.98
- 2:02	12.0	.851	936.26	.97	937.22
- 2:05	15.0	.929	1021.61	1.47	1023.08
- 2:08	18.0	.981	1078.51	1.71	1080.22
- 2:11	21.0	1.022	1123.37	1.90	1125.27
- 2:14	24.0	1.059	1163.86	2.08	1165.93
- 2:17	27.0	1.088	1195.59	2.21	1197.80
- 2:20	30.0	1.110	1219.66	2.31	1221.98
- 2:23	33.0	1.128	1239.36	2.40	1241.76
- 2:26	36.0	1.146	1259.06	2.48	1261.54
- 2:29	39.0	1.160	1274.38	2.55	1276.92
- 2:32	42.0	1.171	1286.41	2.60	1289.01
- 2:35	45.0	1.182	1298.45	2.65	1301.10
- 2:38	48.0	1.191	1308.30	2.69	1310.99
- 2:41	51.0	1.200	1318.15	2.73	1320.88
- 2:44	54.0	1.207	1325.81	2.77	1328.57
- 2:47	57.0	1.214	1333.46	2.80	1336.26
- 2:49	59.0	1.218	1337.84	2.82	1340.66
-02:49 1ST SHUT-IN	0.0	1.219	1338.94	2.82	1341.76
-02:49 2ND FLOW	0.0	.101	115.58	-4.35	111.23
- 2:54	5.0	.087	100.26	-4.45	95.81
- 2:59	10.0	.083	95.88	-4.47	91.41
- 3:04	15.0	.083	95.88	-4.47	91.41
- 3:09	20.0	.083	95.88	-4.47	91.41
- 3:14	25.0	.084	96.98	-4.47	92.51
- 3:18	29.0	.085	98.07	-4.46	93.61
-03:18 END FLOW	0.0	.085	98.07	-4.46	93.61
- 3:21	3.0	.235	262.21	-3.40	258.81
- 3:24	6.0	.573	632.06	-1.00	631.06

SUPERIOR TESTERS ENTERPRISES INC.

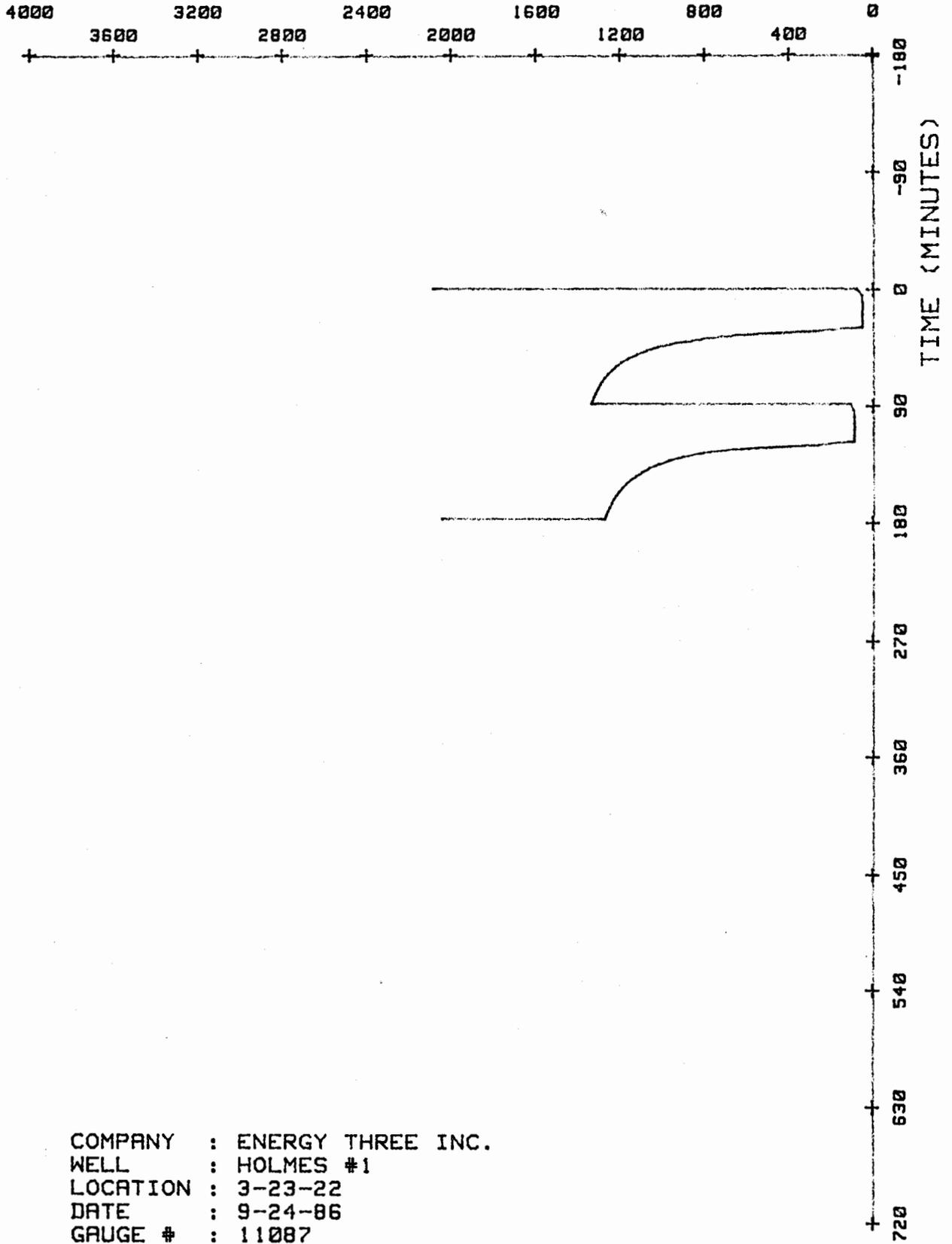
SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 9-24-86
 DEPTH : 4224.0

WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 SERIAL NO. : 11087

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.: 1					
- 3:27	9.0	.736	810.42	.15	810.57
- 3:30	12.0	.824	906.71	.78	907.49
- 3:33	15.0	.884	972.37	1.20	973.57
- 3:36	18.0	.929	1021.61	1.47	1023.08
- 3:39	21.0	.968	1064.28	1.65	1065.93
- 3:42	24.0	.998	1097.11	1.79	1098.90
- 3:45	27.0	1.024	1125.56	1.91	1127.47
- 3:48	30.0	1.047	1150.73	2.02	1152.75
- 3:51	33.0	1.066	1171.52	2.11	1173.63
- 3:54	36.0	1.084	1191.21	2.19	1193.41
- 3:57	39.0	1.098	1206.53	2.26	1208.79
- 4:00	42.0	1.110	1219.66	2.31	1221.98
- 4:03	45.0	1.121	1231.70	2.37	1234.07
- 4:06	48.0	1.129	1240.45	2.40	1242.86
- 4:09	51.0	1.137	1249.21	2.44	1251.65
- 4:12	54.0	1.146	1259.06	2.48	1261.54
- 4:15	57.0	1.153	1266.72	2.51	1269.23
- 4:18	60.0	1.158	1272.19	2.54	1274.73
-04:18 2ND SHUT-IN	0.0	1.158	1272.19	2.54	1274.73
-2ND HYDROSTATIC	0.0	1.858	2038.15	5.51	2043.67

PRESSURE (P S I G)

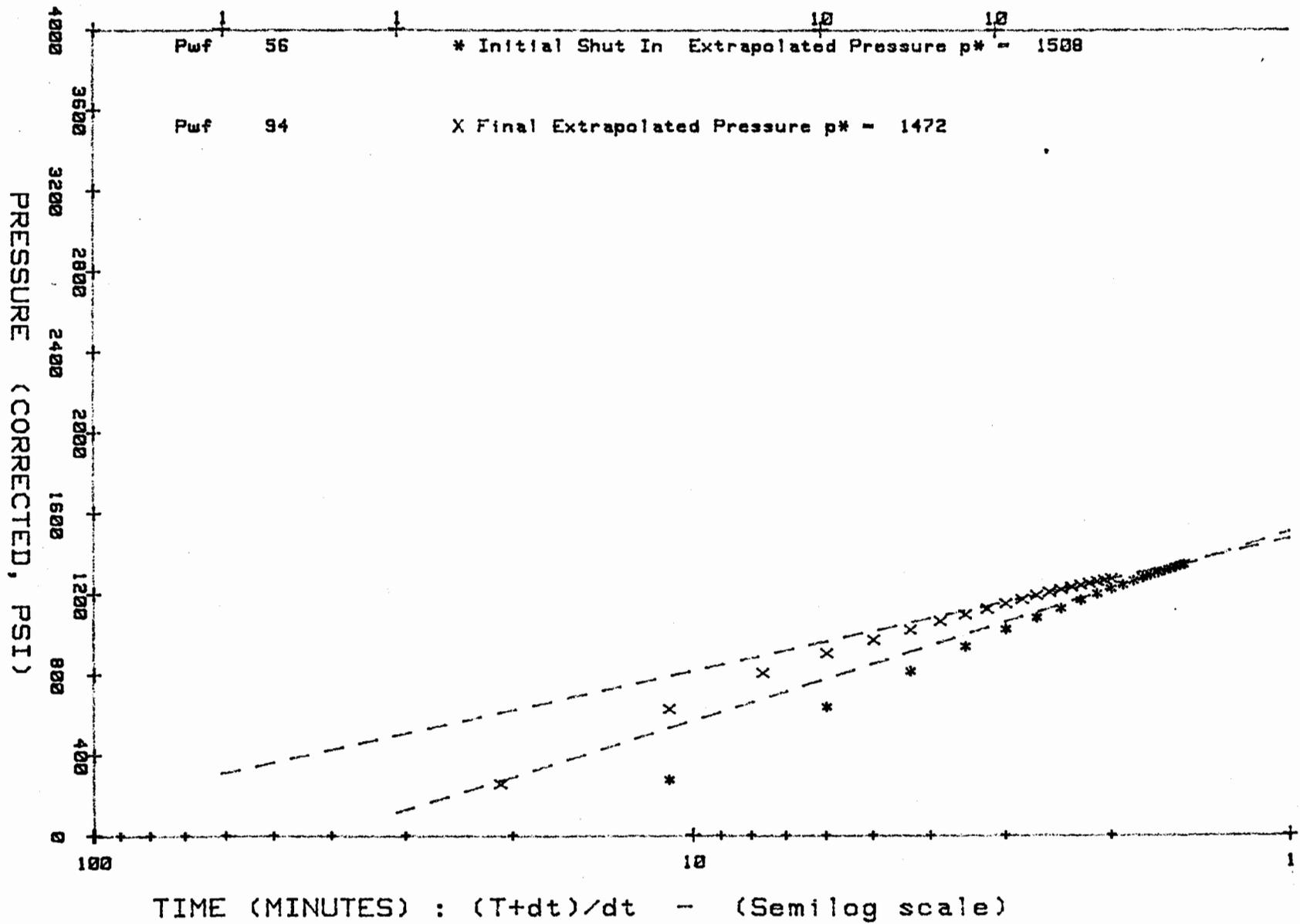


COMPANY : ENERGY THREE INC.
WELL : HOLMES #1
LOCATION : 3-23-22
DATE : 9-24-86
GAUGE # : 11087

LOCATION : 3-23-22

DATE : 9-24-86

GAUGE # : 11087



SUPERIOR TESTERS ENTERPRISES INC.

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 9-24-86

WELL NAME : HOLMES #1
LOCATION : 3-23-22

RECOVERY INFORMATION

LIQUID RECOVERY

Total Fluid Recovered :

Recovered 760 feet of GAS IN THE PIPE
Recovered 170 feet of CLEAN GASSY OIL
Recovered 30 feet of HEAVY OIL AND GAS CUT MUD

GAS RECOVERY	Measured With :		Riser :
Time (min.)	()	
	Reading	Surface Choke (in.)	Cubic feet/day

FLUID PROPERTIES

	Viscosity (cp)	Compressibility (psi ⁻¹)	Pore Space Saturation
Oil	.8	7.7E-6	.75
Gas	.2		.20
Water	.45		.05

CALCULATED RECOVERY ANALYSIS

DST Number:1

Test ticket number:10012

Sample #	Total Feet	***** Gas %	***** Gas Feet	***** Oil %	***** Oil Feet	***** Mud %	***** Mud Feet
1	170	0.00	0.00	99.00	168.30	1.00	1.70
2	30	5.00	1.50	35.00	10.50	60.00	18.00
TOTAL	200	.75	1.50	89.40	178.80	9.85	19.70

Sample #	Total Feet	**** WATER %	**** WATER Feet	Chlorides (ppm)	Resistivity (ohms)	Temperature (deg)
1	170	0.00	0.00	0.00	0.00	0.00
2	30	0.00	0.00	0.00	0.00	0.00
TOTAL	200	0.00	0.00			

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES INC.

D A T A S U M M A R Y

COMPANY : ENERGY THREE INC.
DATE OF TEST : 9-24-86
DST. NO : 1

WELL NAME : HOLMES #1
LOCATION : 3-23-22
SHUT-IN PERIOD : 1

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	1508.00
Slope of Build-up Curve (psi/log cycle):	932.34
Effective Producing Time (min):	30.00

INTERPRETATION BY : SUPERIOR TESTERS INC.

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SUPERIOR TESTERS ENTERPRISES INC.

HORNER ANALYSIS

COMPANY : ENERGY THREE INC.
WELL NAME : HOLMES #1
LOCATION : 3-23-22
STATE & COUNTY : KANSAS, HODGEMAN
DATE OF TEST : 9-24-86
TEST INT. KB : 4218 to 4230
TOTAL INTERVAL (ft) K.B. : 12.00
ELEV. (GR) : (KB) : 2192
FIELD :

ELEMENT SERIAL NO. : 11087
LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth :	4224.0 ft-kb		
-01:50 END FLOW	0.00	0.00	56.17
	3.00	11.00	276.43
	6.00	6.00	638.77
	9.00	4.33	814.98
	12.00	3.50	937.22
	15.00	3.00	1023.13
	18.00	2.67	1080.40
	21.00	2.43	1125.55
	24.00	2.25	1166.30
	27.00	2.11	1198.24
	30.00	2.00	1222.47
	33.00	1.91	1242.29
	36.00	1.83	1262.11
	39.00	1.77	1277.53
	42.00	1.71	1289.65
	45.00	1.67	1301.76
	48.00	1.63	1311.67
	51.00	1.59	1321.59
	54.00	1.56	1329.30
	57.00	1.53	1337.00
	59.00	1.51	1341.41
-02:49 1ST SHUT-IN	0.00	0.00	1342.51

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES INC.

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 9-24-86
DST. NO : 1

WELL NAME : HOLMES #1
LOCATION : 3-23-22
SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	1472.00
Slope of Build-up Curve (psi/log cycle):	650.11
Effective Producing Time (min):	60.00

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES INC.

HORNER ANALYSIS

COMPANY : ENERGY THREE INC.
 WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 STATE & COUNTY : KANSAS, HODGEMAN
 DATE OF TEST : 9-24-86
 TEST INT. KB : 4218 to 4230
 TOTAL INTERVAL (ft) K.B. : 12.00
 ELEV. (GR) : (KB) : 2192
 FIELD :

ELEMENT SERIAL NO. : 11087
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth : 4224.0 ft-kb			
-03:18 END FLOW	0.00	0.00	93.61
	3.00	21.00	258.81
	6.00	11.00	631.06
	9.00	7.67	810.57
	12.00	6.00	907.49
	15.00	5.00	973.57
	18.00	4.33	1023.13
	21.00	3.86	1066.08
	24.00	3.50	1099.12
	27.00	3.22	1127.75
	30.00	3.00	1153.08
	33.00	2.82	1174.01
	36.00	2.67	1193.83
	39.00	2.54	1209.25
	42.00	2.43	1222.47
	45.00	2.33	1234.58
	48.00	2.25	1243.39
	51.00	2.18	1252.20
	54.00	2.11	1262.11
	57.00	2.05	1269.82
	60.00	2.00	1275.33
-04:18 2ND SHUT-IN	0.00	0.00	1275.33

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES INC.

DATA SUMMARY

COMPANY : ENERGY THREE INC.	WELL NAME : HOLMES #1
DATE OF TEST : 9-24-86	LOCATION : 3-23-22
DST. NO : 1	SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

TRANSMISSIBILITY

Oil (md.ft/cp):	30.01
Gas (md.ft/cp):	0.00

EFFECTIVE PERMEABILITY

Oil (md):	2.93
Gas (md):	0.00

TOTAL MOBILITY (md/cp):	3.66
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TOTAL COMPRESSIBILITY (psi ⁻¹):	6.26E-06
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ESTIMATED DAMAGE RATIO:48
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CALCULATED DAMAGE RATIO:50
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Reservoir Temperature (F):	122.00
Formation Porosity :20
Formation Thickness (ft):	10.00
Wellbore Radius (in):	3.94
Reservoir Compressibility (psi ⁻¹):	4.80E-07
Calculated Skin Factor :	-2.40

PRODUCTION WITH DAMAGE REMOVED (bbl/D):	60.55
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PRODUCTIVITY INDEX (bbl/psi):09
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Final Flow Pressure (psi):	93.00
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APPROXIMATE RADIUS OF INVESTIGATION (ft):	55.22
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Total Flowing Time (min):	60.00
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EXTRAPOLATED RESERVOIR PRESSURE (psi):	1472.00
----------------------------------------------	---------

Slope of Build-up Curve (psi/log cycle):	650.11
Effective Producing Time (min):	60.00

Energy Three Inc. Holmes 1 Sec 3 T 23 S R 22W
DST #2 not received at Kansas Geological Survey

(Miller donation, DLS, 7/18/2017)

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date September 22, 1984 Location 3-23-22 Elevation 2192 K.B. County HOLGEMAN

Company ENERGY THREE INC. Number of Copies 2

Charts Mailed to P.O. Box 1505 GREAT BEND KANSAS 67530

Drilling Contractor ALLEN Drilling Rig #2

Length Drill Pipe 4336 I.D. Drill Pipe 3.30 Tool Joint Size 1 1/2" X 4.

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

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

Top Packer Depth 4402 Bottom Packer Depth 4408 Number of Packers 2 Packer Size 6 3/4

TESTED FROM 4408 TO 4443 ANCHOR LENGTH 35 TOTAL DEPTH 4443 Hole Size 7 7/8

LEASE & WELL NO. Holmes #1 FORMATION TESTED Mississippi TEST NO. 3

Mud Weight 94 Viscosity 43 Water Loss 13.2 Chlorides - Pits 4000 D.S.T. 2112

Maximum Temp. 124 °F Initial Hydrostatic Pressure (A) 2231 P.S.I. Final Hydrostatic Pressure (H) 2201 P.S.I.

Tool Open I.F.P. from 2:00 p.m. to 2:30 p.m. 30 min

Tool Closed I.C.I.P. from 2:30 p.m. to 3:30 p.m. 60 min

Tool Open F.F.P. from 3:30 p.m. to 4:15 p.m. 45 min

Tool Closed F.C.I.P. from 4:15 p.m. to 5:15 p.m. 60 min

Initial Blow WEAK STEADY blow through out 34 inch into the water

Final Blow VERY WEAK intermitant blow through out

Total Feet Recovered 15 FEET OF OIL CUT MUD Gravity of Oil _____ Corrected _____

15 Feet of OIL CUT MUD 0% Gas 15% Oil 85% Mud 0% Water

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

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

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

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

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

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

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

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

Remarks _____

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

Top Recorder No. 11087 Clock No. 23836 Depth 4437 Cir. Sub NONE Sampler NONE

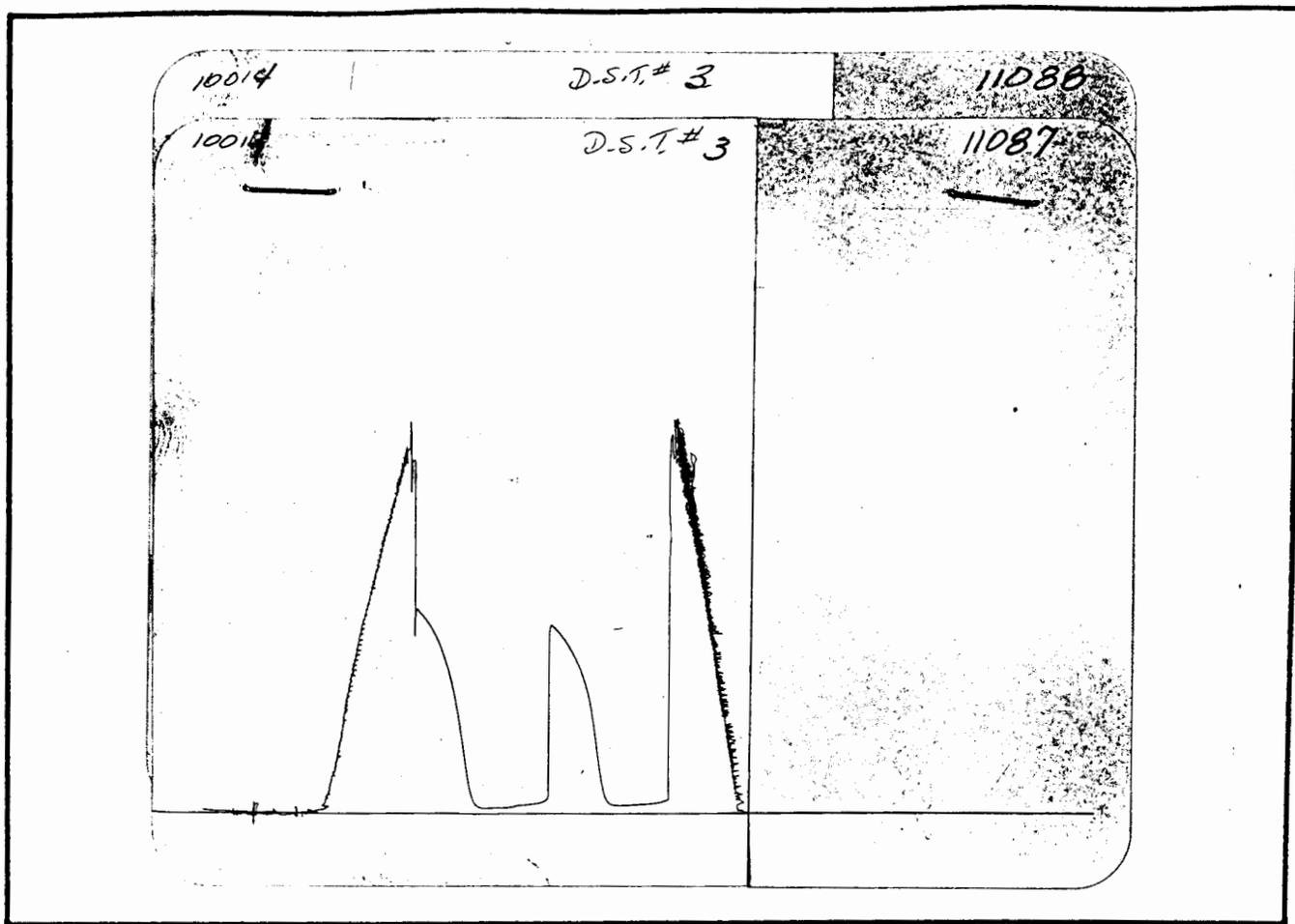
Bottom Recorder No. 11088 Clock No. 6068 Depth 4440 Insurance NONE

Price of Job 300.00

Tool Operator Steve Dudy

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, 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 actual recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2231	2128	P.S.I.
(B) First Initial Flow Pressure	77	87	P.S.I.
(C) First Final Flow Pressure	44	50	P.S.I.
(D) Initial Closed-in Pressure	1122	1132	P.S.I.
(E) Second Initial Flow Pressure	77	91	P.S.I.
(F) Second Final Flow Pressure	33	34	P.S.I.
(G) Final Closed-in Pressure	1320	1226	P.S.I.
(H) Final Hydrostatic Mud	2209	2112	P.S.I.

SUPERIOR TESTERS ENTERPRISES

WELL IDENTIFICATION DATA

COMPANY : ENERGY THREE INC. WELL NAME : HOLMES #1
ADDRESS : P.O. BOX 1505 GREAT BEND LOCATION : 3-23-22
STATE & COUNTY : KANSAS, HODGEMAN FIELD :
ELEV. (GR) : (KB) : 2192 TEST DATE : 9-26-86

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MISSISSIPPI DRILL PIPE LENGTH(ft) : 4286
TEST INT. KB : 4408 to 4443 DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 35 WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-*kb*) : 4443 DRILL COLLAR LENGTH(ft) :
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.5 TOP PACKER DEPTH(*kb*) : 4402
MUD VISCOSITY : 43 BOTTOM PACKER DEPTH(*kb*) : 4408
MUD CHLORIDES : 4000 DUAL PACKERS : YES
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) : 124 TEST TICKET NUMBER : 10014

EXTRA EQUIPMENT :

ELEMENT SERIAL NO. : 11087
RANGE : 0 - 4350 CLOCK RANGE : 12 HOURS
CAL. EQU. : 1094.24 * Defl. + 5.06

SURFACE BLOW

1st Opening : WEAK STEADY BLOW THROUGH OUT
2nd Opening : VERY WEAK INTERMITTEN BLOW THROUGH OUT

RECOVERY

Recovered 15 feet of OIL CUT MUD

REMARKS :

WITNESSED BY : STEVE MILLER TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES

SUPERIOR TESTERS ENTERPRISES

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 9-26-86
 DEPTH : 4437.0

WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 SERIAL NO. : 11087

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	----- CORRECTED
TEST NO.:3					
Depth : 4437.0 ft-kb					
-1ST HYDROSTATIC	0.0	1.936	2123.50	5.32	2128.82
-02:00 1ST FLOW	0.0	.079	91.51	-4.50	87.00
- 2:05	5.0	.064	75.09	-4.61	70.48
- 2:10	10.0	.056	66.34	-4.66	61.67
- 2:15	15.0	.052	61.96	-4.69	57.27
- 2:20	20.0	.050	59.77	-4.71	55.07
- 2:25	25.0	.048	57.58	-4.72	52.86
- 2:30	30.0	.046	55.40	-4.74	50.66
-02:30 END FLOW	0.0	.046	55.40	-4.74	50.66
- 2:33	3.0	.046	55.40	-4.74	50.66
- 2:36	6.0	.046	55.40	-4.74	50.66
- 2:39	9.0	.046	55.40	-4.74	50.66
- 2:42	12.0	.047	56.49	-4.73	51.76
- 2:45	15.0	.052	61.96	-4.69	57.27
- 2:48	18.0	.074	86.03	-4.54	81.50
- 2:51	21.0	.144	162.63	-4.04	158.59
- 2:55	25.0	.342	379.29	-2.64	376.65
- 2:58	28.0	.494	545.61	-1.56	544.05
- 3:00	30.0	.553	610.17	-1.14	609.03
- 3:03	33.0	.653	719.60	-.43	719.16
- 3:06	36.0	.729	802.76	.10	802.86
- 3:09	39.0	.787	866.23	.51	866.74
- 3:12	42.0	.832	915.47	.83	916.30
- 3:15	45.0	.877	964.71	1.15	965.86
- 3:18	48.0	.911	1001.91	1.39	1003.30
- 3:21	51.0	.944	1038.02	1.54	1039.56
- 3:24	54.0	.972	1068.66	1.67	1070.33
- 3:27	57.0	1.006	1105.86	1.83	1107.69
- 3:30	60.0	1.018	1118.99	1.88	1120.88
- 3:32	62.0	1.029	1131.03	1.94	1132.97
-03:32 1ST SHUT-IN	0.0	1.029	1131.03	1.94	1132.97
-03:32 2ND FLOW	0.0	.083	95.88	-4.47	91.41
- 3:37	5.0	.063	74.00	-4.62	69.38
- 3:42	10.0	.055	65.24	-4.67	60.57
- 3:47	15.0	.050	59.77	-4.71	55.07
- 3:52	20.0	.048	57.58	-4.72	52.86
- 3:57	25.0	.044	53.21	-4.75	48.46
- 4:02	30.0	.035	43.36	-4.81	38.55
- 4:07	35.0	.031	38.98	-4.84	34.14
- 4:12	40.0	.031	38.98	-4.84	34.14

SUPERIOR TESTERS ENTERPRISES

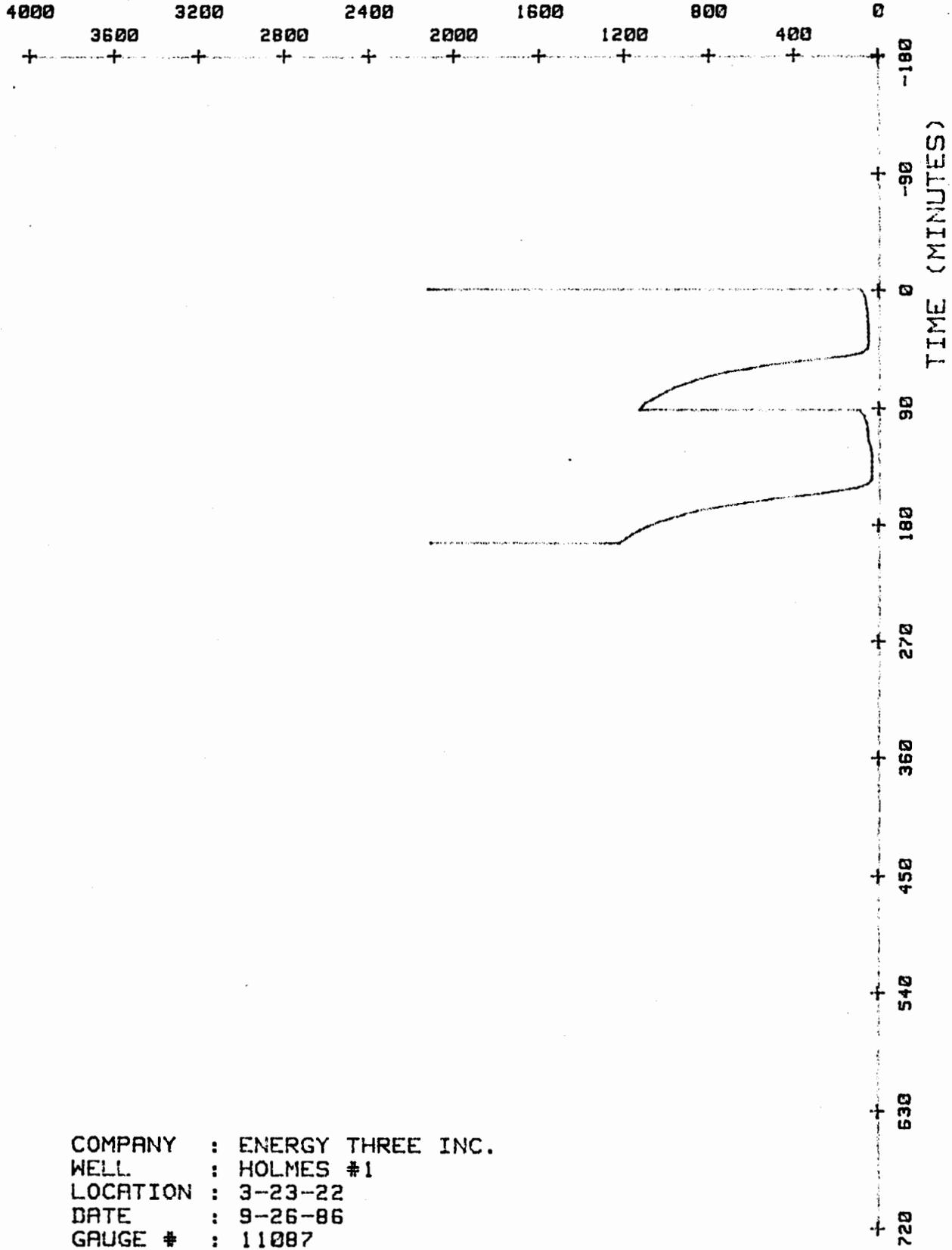
SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 9-26-86
 DEPTH : 4437.0

WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 SERIAL NO. : 11087

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	----- CORRECTED
TEST NO.:3					
- 4:17	45.0	.031	38.98	-4.84	34.14
-04:17 END FLOW	0.0	.031	38.98	-4.84	34.14
- 4:20	3.0	.031	38.98	-4.84	34.14
- 4:23	6.0	.031	38.98	-4.84	34.14
- 4:26	9.0	.034	42.27	-4.82	37.44
- 4:29	12.0	.050	59.77	-4.71	55.07
- 4:32	15.0	.092	105.73	-4.41	101.32
- 4:35	18.0	.201	225.00	-3.64	221.37
- 4:38	21.0	.312	346.46	-2.85	343.61
- 4:41	24.0	.461	509.50	-1.80	507.71
- 4:44	27.0	.575	634.25	-.99	633.26
- 4:47	30.0	.681	750.24	-.24	750.00
- 4:50	33.0	.782	860.75	.48	861.23
- 4:53	36.0	.838	922.03	.68	922.91
- 4:56	39.0	.897	986.59	1.29	987.89
- 4:59	42.0	.946	1040.21	1.55	1041.76
- 5:02	45.0	.991	1089.45	1.76	1091.21
- 5:05	48.0	1.026	1127.75	1.92	1129.67
- 5:08	51.0	1.058	1162.76	2.07	1164.84
- 5:11	54.0	1.083	1190.12	2.19	1192.31
- 5:14	57.0	1.107	1216.38	2.30	1218.68
- 5:15	58.0	1.114	1224.04	2.33	1226.37
-05:15 2ND SHUT-IN	0.0	1.114	1224.04	2.33	1226.37
-2ND HYDROSTATIC	0.0	1.921	2107.09	5.36	2112.45

PRESSURE (P S I G)

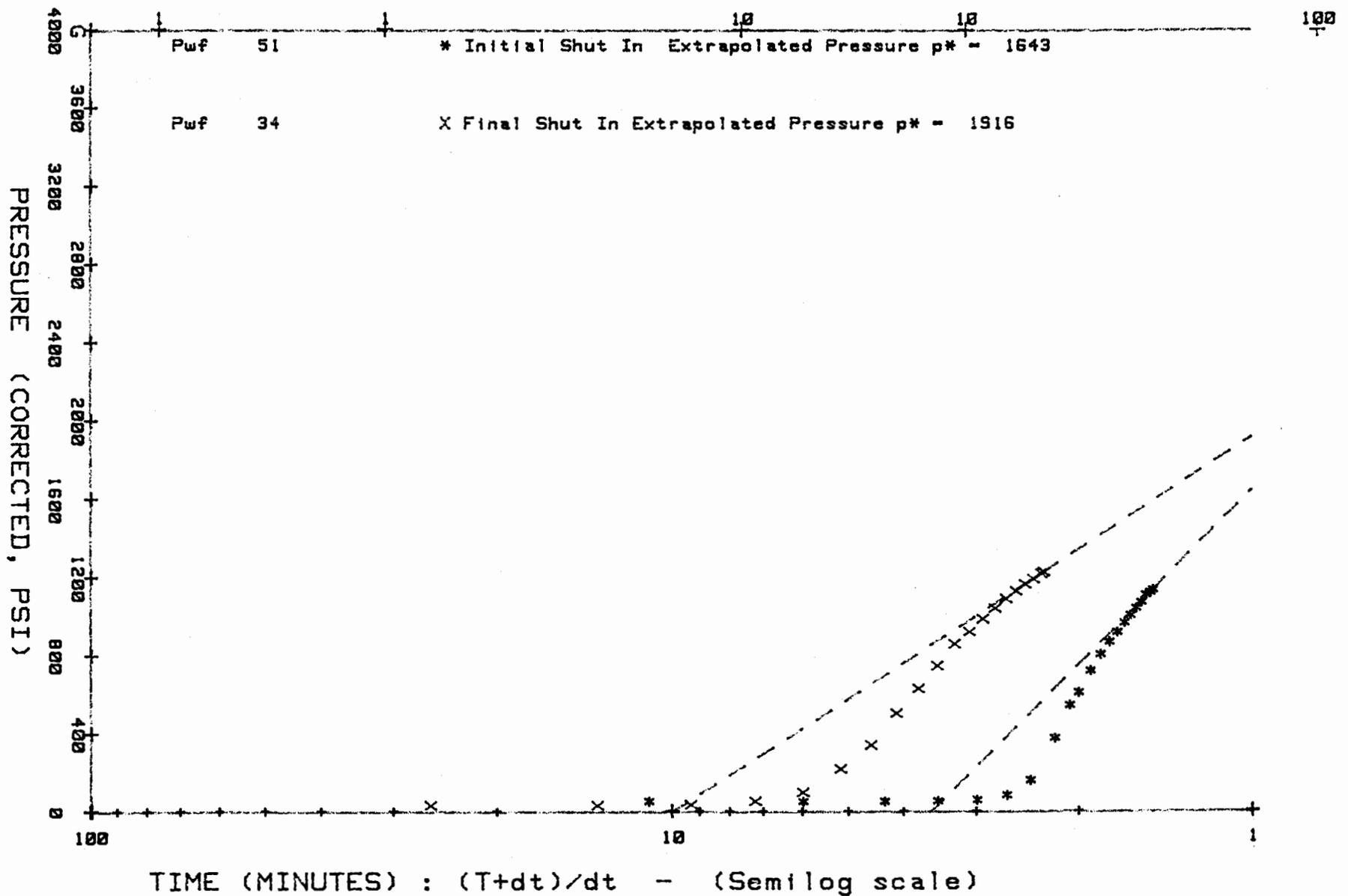


COMPANY : ENERGY THREE INC.
WELL : HOLMES #1
LOCATION : 3-23-22
DATE : 9-26-86
GAUGE # : 11087

LOCATION : 3-23-22

DATE : 9-26-86

GAUGE # : 11087



SUPERIOR TESTERS ENTERPRISES

HORNER ANALYSIS

COMPANY : ENERGY THREE INC.
 WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 STATE & COUNTY : KANSAS, HODGEMAN
 DATE OF TEST : 9-26-86
 TEST INT. KB : 4408 to 4443
 TOTAL INTERVAL (ft) K.B. : 35.00
 ELEV.(GR) : (KB) : 2192
 FIELD :

ELEMENT SERIAL NO. : 11087
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth :	4437.0 ft-kb		
-02:30 END FLOW	0.00	0.00	50.66
	3.00	11.00	50.66
	6.00	6.00	50.66
	9.00	4.33	50.66
	12.00	3.50	51.76
	15.00	3.00	57.27
	18.00	2.67	81.50
	21.00	2.43	158.59
	25.00	2.20	376.65
	28.00	2.07	544.05
	30.00	2.00	609.03
	33.00	1.91	719.16
	36.00	1.83	802.86
	39.00	1.77	866.74
	42.00	1.71	916.30
	45.00	1.67	965.86
	48.00	1.63	1003.30
	51.00	1.59	1039.65
	54.00	1.56	1070.48
	57.00	1.53	1107.93
	60.00	1.50	1121.15
	62.00	1.48	1133.26
-03:32 1ST SHUT-IN	0.00	0.00	1133.26

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 9-26-86
DST. NO : 3

WELL NAME : HOLMES #1
LOCATION : 3-23-22
SHUT-IN PERIOD : 1

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	1643.00
Slope of Build-up Curve (psi/log cycle):	2961.72
Effective Producing Time (min):	30.00

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES

HORNER ANALYSIS

COMPANY : ENERGY THREE INC.
 WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 STATE & COUNTY : KANSAS, HODGEMAN
 DATE OF TEST : 9-26-86
 TEST INT. KB : 4408 to 4443
 TOTAL INTERVAL (ft) K.B. : 35.00
 ELEV. (GR) : (KB) : 2192
 FIELD :

ELEMENT SERIAL NO. : 11087
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth :	4437.0 ft-kb		
-04:17 END FLOW	0.00	0.00	34.14
	3.00	26.00	34.14
	6.00	13.50	34.14
	9.00	9.33	37.44
	12.00	7.25	55.07
	15.00	6.00	101.32
	18.00	5.17	221.37
	21.00	4.57	343.61
	24.00	4.13	507.71
	27.00	3.78	633.26
	30.00	3.50	750.00
	33.00	3.27	861.23
	36.00	3.08	922.91
	39.00	2.92	987.89
	42.00	2.79	1041.85
	45.00	2.67	1091.41
	48.00	2.56	1129.96
	51.00	2.47	1165.20
	54.00	2.39	1192.73
	57.00	2.32	1219.16
	58.00	2.29	1226.87
-05:15 2ND SHUT-IN	0.00	0.00	1226.87

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 9-26-86
DST. NO : 3

WELL NAME : HOLMES #1
LOCATION : 3-23-22
SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	1916.00
Slope of Build-up Curve (psi/log cycle):	1913.07
Effective Producing Time (min):	75.00

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES

DATA SUMMARY

COMPANY : ENERGY THREE INC.	WELL NAME : HOLMES #1
DATE OF TEST : 9-26-86	LOCATION : 3-23-22
DST. NO : 3	SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

TRANSMISSIBILITY

Oil (md.ft/cp):05
Gas (md.ft/cp):	0.00

EFFECTIVE PERMEABILITY

Oil (md):01
Gas (md):	0.00

TOTAL MOBILITY (md/cp):01
-------------------------------	-----

TOTAL COMPRESSIBILITY (psi ⁻¹):	7.56E-06
---------------------------------------------------	----------

ESTIMATED DAMAGE RATIO:22
-------------------------------	-----

CALCULATED DAMAGE RATIO:65
--------------------------------	-----

Reservoir Temperature (F):	124.00
Formation Porosity :18
Formation Thickness (ft):	10.00
Wellbore Radius (in):	3.94
Reservoir Compressibility (psi ⁻¹):	4.80E-07
Calculated Skin Factor :	-.60

PRODUCTION WITH DAMAGE REMOVED (bbl/D):61
-----------------------------------------------	-----

PRODUCTIVITY INDEX (bbl/psi):	0.00
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Final Flow Pressure (psi):	34.00
----------------------------------	-------

APPROXIMATE RADIUS OF INVESTIGATION (ft):	2.47
-------------------------------------------------	------

Total Flowing Time (min):	75.00
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EXTRAPOLATED RESERVOIR PRESSURE (psi):	1916.00
----------------------------------------------	---------

Slope of Build-up Curve (psi/log cycle):	1913.07
------------------------------------------------	---------

Effective Producing Time (min):	75.00
---------------------------------------	-------

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date September 27, 1981 Location 5-23-22 Elevation 2192 KB County HODGEMAN

Company ENERGY THREE INC. Number of Copies 5

Charts Mailed to P.O. Box 1502 GREAT BEND KANSAS 67530

Drilling Contractor Allen Drilling Rig #2

Length Drill Pipe 4286 I.D. Drill Pipe 3.30 Tool Joint Size 4 1/2" X 4"

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

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

Top Packer Depth 4102 Bottom Packer Depth 4408 Number of Packers 2 Packer Size 6-3/4

TESTED FROM 4408 TO 4448 ANCHOR LENGTH 40 TOTAL DEPTH 4448 Hole Size 7 7/8

LEASE & WELL NO. Holmes #1 FORMATION TESTED Mississippi TEST NO. 4

Mud Weight 7.8 Viscosity 43 Water Loss 13.2 Chlorides - Pits 4000 D.S.T. _____

Maximum Temp. 124 °F Initial Hydrostatic Pressure (A) 2252 P.S.I. Final Hydrostatic Pressure (H) 2231 P.S.I.

Tool Open I.F.P. from 2:00 A.M. to 2:30 A.M. 30 min

Tool Closed I.C.I.P. from 2:30 A.M. to 3:30 A.M. 60 min

Tool Open F.F.P. from 3:30 A.M. to 4:00 A.M. 30 min

Tool Closed F.C.I.P. from 4:00 A.M. to 5:30 A.M. 90 min

Initial Blow Good blow off the bottom of a 5 gal. bucket in 10 min.

Final Blow FAIR blow built to 8 inches into the water

Total Feet Recovered 210 FEET Gravity of Oil _____ Corrected _____

20 Feet of HEAVY O.I. cut mud 0% Gas 25% Oil 73% Mud 2% Water

150 Feet of Muddy water 0% Gas 88% Oil 10% Mud 2% Water

30 Feet of CLEAN O.I. 20% Gas 75% Oil 2% Mud 3% Water

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

Feet of _____ % Gas 20% Oil 75% Mud 5% Water

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

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

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

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

Remarks Flow pressure invalid plugging throughout

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

Top Recorder No. 11087 Clock No. 22914 Depth 4442 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11088 Clock No. 27446 Depth 4445 Insurance NONE

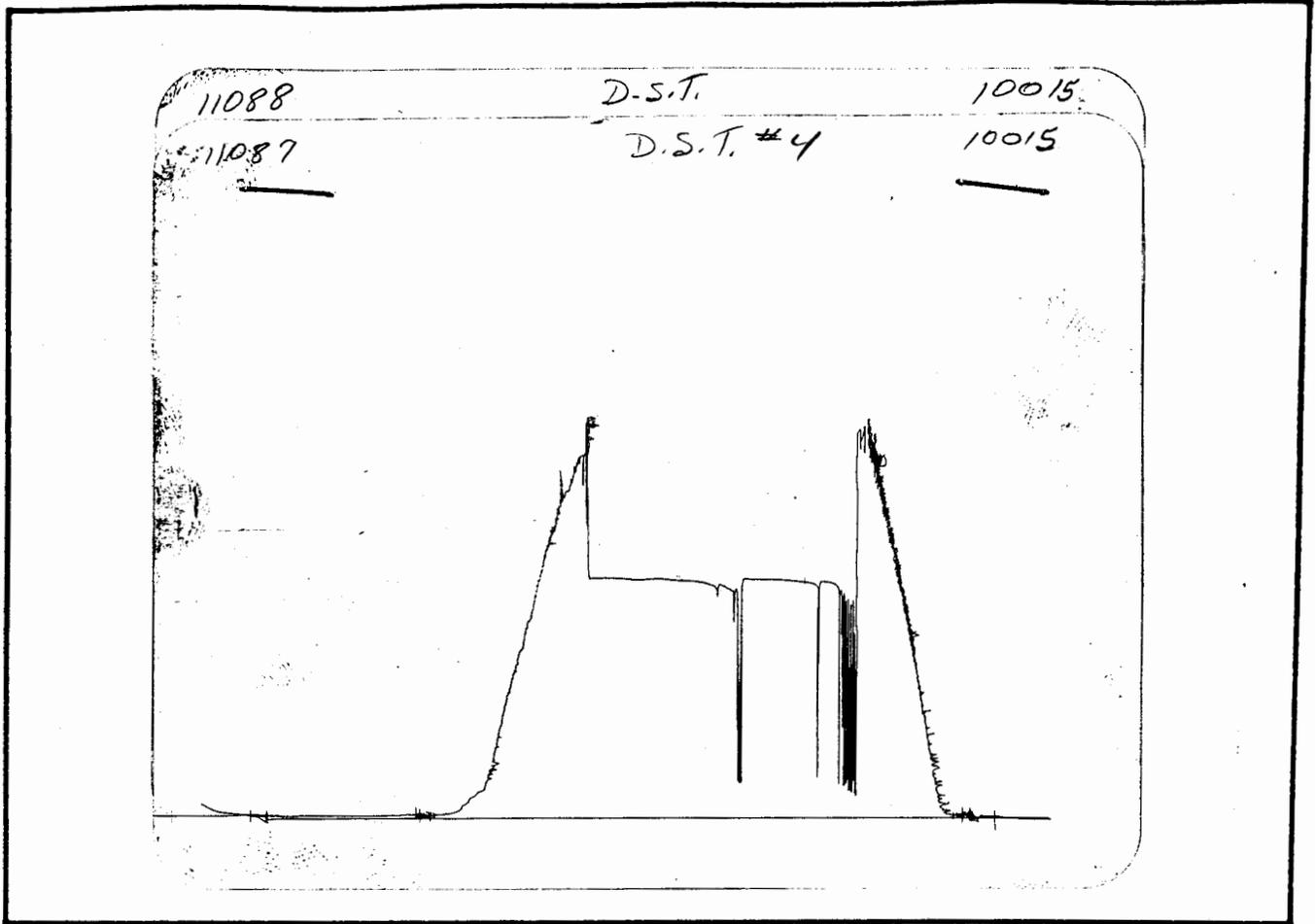
Price of Job 2350?

Tool Operator Gene Audin

Approved By [Signature]

from [B] _____ P.S.I. to [C] _____ P.S.I.
[D] <u>1430</u> <u>1428</u> P.S.I.
from [E] _____ P.S.I. to [F] _____ P.S.I.
[G] <u>1430</u> <u>1436</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 actual recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2253	2244	P.S.I.
(B) First Initial Flow Pressure	0	0	P.S.I.
(C) First Final Flow Pressure	0	0	P.S.I.
(D) Initial Closed-in Pressure	1430	1428	P.S.I.
(E) Second Initial Flow Pressure	0	0	P.S.I.
(F) Second Final Flow Pressure	0	0	P.S.I.
(G) Final Closed-in Pressure	1430	1436	P.S.I.
(H) Final Hydrostatic Mud	2231	2162	P.S.I.

SUPERIOR TESTERS ENTERPRISES

WELL IDENTIFICATION DATA

COMPANY : ENERGY THREE INC. WELL NAME : HOLMES #1
ADDRESS : P.O. BOX 1505 GREAT BEND LOCATION : 3-23-22
STATE & COUNTY : KANSAS, HODGEMAN FIELD :
ELEV.(GR) : (KB) : 2192 TEST DATE : 9-27-86

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MISSISSIPPI DRILL PIPE LENGTH(ft) : 4386
TEST INT. KB : 4408 to 4448 DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 40 WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kg) : 4448 DRILL COLLAR LENGTH(ft) :
MAIN HOLE SIZE(in) : 7 7/8 DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.5 TOP PACKER DEPTH(kb) : 4402
MUD VISCOSITY : 43 BOTTOM PACKER DEPTH(kb) : 4408
MUD CHLORIDES : 4000 DUAL PACKERS : YES
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) : 124 TEST TICKET NUMBER : 10015

EXTRA EQUIPMENT :

ELEMENT SERIAL NO. : 11087
RANGE : 0 - 4350 CLOCK RANGE : 12 HOURS
CAL. EQU. : 1094.24 * Defl. + 5.06

SURFACE BLOW

1st Opening : GOOD BLOW OFF BOTTOM 5 GALLON BUCKET IN 10 MIN.
2nd Opening : FAIR BUILT TO 8 INCHES IN TO THE WATER

RECOVERY

Recovered 30 feet of HEAVY OIL CUT MUD
Recovered 150 feet of MUDDY OIL
Recovered 30 feet of CLEAN OIL

REMARKS :

1ST FLOW TOOL WAS PLUGGING-2ND OPENING TOOL SHOWED PLUGGED COMPLETELY

WITNESSED BY : STEVE MILLER TOOL OPERATOR : GENE BUDIG

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES

SUPERIOR TESTERS ENTERPRISES

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 9-27-86
 DEPTH : 4442.0

WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 SERIAL NO. : 11087

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.: 4					
Depth : 4442.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.042	2239.49	5.05	2244.54
-02:00 1ST FLOW	0.0	.118	134.18	-4.23	129.96
- 2:03	3.0	.137	154.97	-4.09	150.88
- 2:06	6.0	.148	167.01	-4.01	163.00
- 2:09	9.0	.178	199.84	-3.80	196.04
- 2:12	12.0	1.235	1356.44	2.90	1359.34
- 2:14	14.0	.183	205.31	-3.76	201.54
- 2:15	15.0	1.255	1378.33	2.99	1381.32
- 2:21	21.0	1.277	1402.40	3.09	1405.49
- 2:26	26.0	1.280	1405.68	3.11	1408.79
- 2:28	28.0	1.280	1405.68	3.11	1408.79
- 2:30	30.0	.221	246.89	-3.50	243.39
-02:31 END FLOW	0.0	.221	246.89	-3.50	243.39
- 2:34	3.0	1.269	1393.65	3.06	1396.70
- 2:37	6.0	1.274	1399.12	3.08	1402.20
- 2:40	9.0	1.277	1402.40	3.09	1405.49
- 2:43	12.0	1.280	1405.68	3.11	1408.79
- 2:46	15.0	1.280	1405.68	3.11	1408.79
- 2:50	19.0	1.285	1411.16	3.13	1414.29
- 2:52	21.0	1.287	1413.34	3.14	1416.48
- 2:56	25.0	1.289	1415.53	3.15	1418.68
- 2:58	27.0	1.289	1415.53	3.15	1418.68
- 3:02	31.0	1.291	1417.72	3.16	1420.88
- 3:05	34.0	1.292	1418.82	3.16	1421.98
- 3:08	37.0	1.293	1419.91	3.17	1423.08
- 3:11	40.0	1.294	1421.00	3.17	1424.18
- 3:15	44.0	1.294	1421.00	3.17	1424.18
- 3:19	48.0	1.295	1422.10	3.18	1425.27
- 3:22	51.0	1.296	1423.19	3.18	1426.37
- 3:25	54.0	1.296	1423.19	3.18	1426.37
- 3:28	57.0	1.297	1424.29	3.19	1427.47
- 3:30	59.0	1.298	1425.38	3.19	1428.57
-03:30 1ST SHUT-IN	0.0	1.298	1425.38	3.19	1428.57
-FROM THIS	0.0	.189	211.87	-3.72	208.15
-POINT TO THIS	10.3	.189	211.87	-3.72	208.15
POINT IS INVALID	20.5	.189	211.87	-3.72	208.15
-FLOW PRESSURE	31.0	.190	212.97	-3.72	209.25
- 3:30	0.0	.190	212.97	-3.72	209.25
- 3:33	3.0	1.280	1405.68	3.11	1408.79
- 3:30	0.0	1.206	1324.71	2.76	1327.47

SUPERIOR TESTERS ENTERPRISES

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 9-27-86
 DEPTH : 4442.0

WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 SERIAL NO. : 11087

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.: 4					
- 3:39	9.0	1.287	1413.34	3.14	1416.48
- 3:42	12.0	1.287	1413.34	3.14	1416.48
- 3:45	15.0	1.288	1414.44	3.14	1417.58
- 3:49	19.0	1.289	1415.53	3.15	1418.68
- 3:51	21.0	1.291	1417.72	3.16	1420.88
- 3:55	25.0	1.293	1419.91	3.17	1423.08
- 3:58	28.0	1.295	1422.10	3.18	1425.27
- 4:01	31.0	1.297	1424.29	3.19	1427.47
- 4:04	34.0	1.299	1426.47	3.20	1429.67
- 4:07	37.0	1.299	1426.47	3.20	1429.67
- 4:10	40.0	1.300	1427.57	3.20	1430.77
- 4:13	43.0	1.300	1427.57	3.20	1430.77
- 4:16	46.0	1.300	1427.57	3.20	1430.77
- 4:21	51.0	1.300	1427.57	3.20	1430.77
- 4:26	56.0	1.300	1427.57	3.20	1430.77
- 4:31	61.0	1.300	1427.57	3.20	1430.77
- 4:37	67.0	1.302	1429.76	3.21	1432.97
- 4:42	72.0	1.303	1430.85	3.21	1434.07
- 4:47	77.0	1.305	1433.04	3.22	1436.26
- 4:52	82.0	1.305	1433.04	3.22	1436.26
- 4:57	87.0	1.305	1433.04	3.22	1436.26
- 5:00	90.0	1.305	1433.04	3.22	1436.26
-05:31 2ND SHUT-IN	0.0	1.305	1433.04	3.22	1436.26
-2ND HYDROSTATIC	0.0	1.967	2157.42	5.24	2162.66

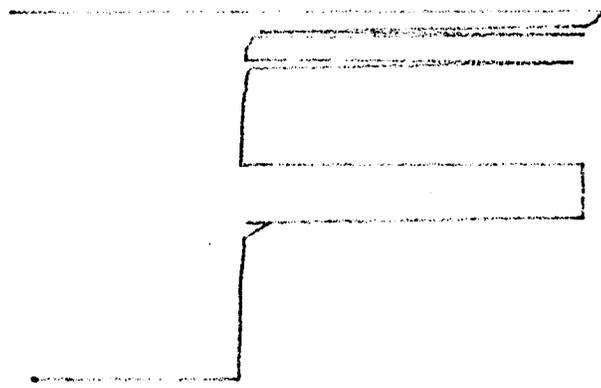
PRESSURE (P S I G)

4000 3600 3200 2800 2400 2000 1600 1200 800 0

+ + + + + + + + + +

-180 -90 0 90 180 270 360 450 540 630 720

TIME (MINUTES)

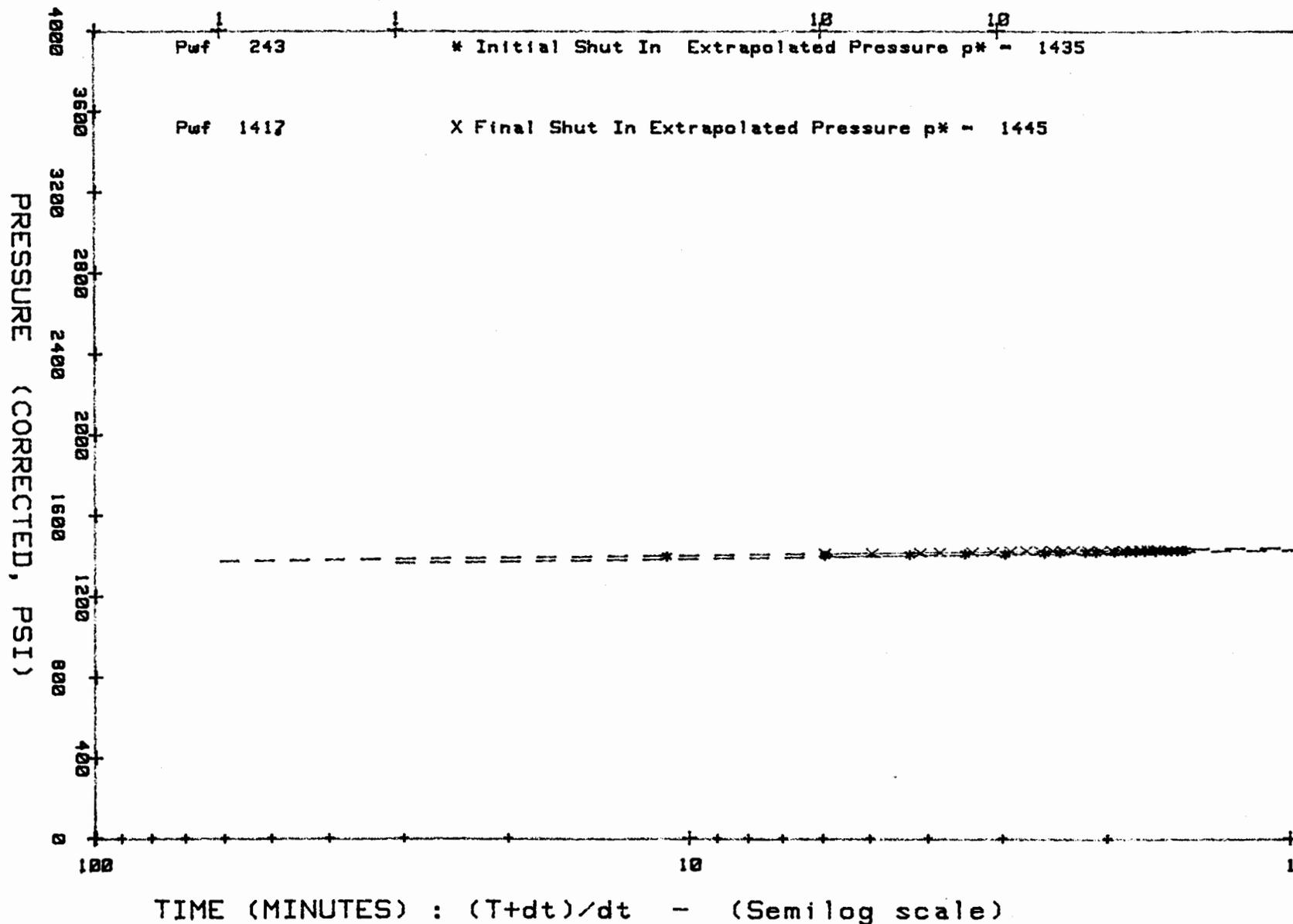


COMPANY : ENERGY THREE INC.
WELL : HOLMES #1
LOCATION : 3-23-22
DATE : 9-27-86
GAUGE # : 11087

LOCATION : 3-23-22

DATE : 9-27-86

GAUGE # : 11087



SUPERIOR TESTERS ENTERPRISES

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 9-27-86

WELL NAME : HOLMES #1
LOCATION : 3-23-22

RECOVERY INFORMATION

LIQUID RECOVERY

Total Fluid Recovered :

Recovered 30 feet of HEAVY OIL CUT MUD
Recovered 150 feet of MUDDY OIL
Recovered 30 feet of CLEAN OIL

GAS RECOVERY

Measured With :
()

Riser :

Time (min.) Reading Surface Choke (in.) Cubic feet/day

FLUID PROPERTIES

	Viscosity (cp)	Compressibility (psi ⁻¹)	Pore Space Saturation
Oil	.8	7.7E-6	.80
Gas	.2	9.2E-6	.15
Water	.45	3.1E-6	05

SUPERIOR TESTERS ENTERPRISES

HORNER ANALYSIS

COMPANY : ENERGY THREE INC.
 WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 STATE & COUNTY : KANSAS, HODGEMAN
 DATE OF TEST : 9-27-86
 TEST INT. KB : 4408 to 4448
 TOTAL INTERVAL (ft) K.B. : 40.00
 ELEV.(GR) : (KB) : 2192
 FIELD :

ELEMENT SERIAL NO. : 11087
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth :	4442.0 ft-kb		
-02:31 END FLOW	0.00	0.00	243.39
	3.00	11.00	1397.58
	6.00	6.00	1403.08
	9.00	4.33	1406.39
	12.00	3.50	1409.69
	15.00	3.00	1409.69
	19.00	2.58	1415.20
	21.00	2.43	1417.40
	25.00	2.20	1419.60
	27.00	2.11	1419.60
	31.00	1.97	1421.81
	34.00	1.88	1422.91
	37.00	1.81	1424.01
	40.00	1.75	1425.11
	44.00	1.68	1425.11
	48.00	1.63	1426.21
	51.00	1.59	1427.31
	54.00	1.56	1427.31
	57.00	1.53	1428.41
	59.00	1.51	1429.52
-03:30 1ST SHUT-IN	0.00	0.00	1429.52

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 9-27-86
DST. NO : 4

WELL NAME : HOLMES #1
LOCATION : 3-23-22
SHUT-IN PERIOD : 1

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	1435.00
Slope of Build-up Curve (psi/log cycle):	45.15
Effective Producing Time (min):	30.00

•INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES

HORNER ANALYSIS

COMPANY : ENERGY THREE INC.
 WELL NAME : HOLMES #1
 LOCATION : 3-23-22
 STATE & COUNTY : KANSAS, HODGEMAN
 DATE OF TEST : 9-27-86
 TEST INT. KB : 4408 to 4448
 TOTAL INTERVAL (ft) K.B. : 40.00
 ELEV. (GR) : (KB) : 2192
 FIELD :

ELEMENT SERIAL NO. : 11087
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth :	4442.0 ft-kb		
-FLOW PRESSURE	31.00	2.94	209.25
	0.00	0.00	209.25
	3.00	21.00	1409.69
	0.00	0.00	1328.19
	9.00	7.67	1417.40
	12.00	6.00	1417.40
	15.00	5.00	1418.50
	19.00	4.16	1419.60
	21.00	3.86	1421.81
	25.00	3.40	1424.01
	28.00	3.14	1426.21
	31.00	2.94	1428.41
	34.00	2.76	1430.62
	37.00	2.62	1430.62
	40.00	2.50	1431.72
	43.00	2.40	1431.72
	46.00	2.30	1431.72
	51.00	2.18	1431.72
	56.00	2.07	1431.72
	61.00	1.98	1431.72
	67.00	1.90	1433.92
	72.00	1.83	1435.02
	77.00	1.78	1437.22
	82.00	1.73	1437.22
	87.00	1.69	1437.22
	90.00	1.67	1437.22
-05:31 2ND SHUT-IN	0.00	0.00	1437.22

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES

D A T A S U M M A R Y

COMPANY : ENERGY THREE INC.
DATE OF TEST : 9-27-86
DST. NO : 4

WELL NAME : HOLMES #1
LOCATION : 3-23-22
SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	1445.00
Slope of Build-up Curve (psi/log cycle):	38.22
Effective Producing Time (min):	60.00

*INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES

DATA SUMMARY

COMPANY : ENERGY THREE INC.	WELL NAME : HOLMES #1
DATE OF TEST : 9-27-86	LOCATION : 3-23-22
DST. NO : 4	SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

TRANSMISSIBILITY

Oil (md.ft/cp):	85.09
Gas (md.ft/cp):	0.00

EFFECTIVE PERMEABILITY

Oil (md):	8.31
Gas (md):	0.00

TOTAL MOBILITY (md/cp):	10.38
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TOTAL COMPRESSIBILITY (psi ⁻¹):	2.35E-05
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ESTIMATED DAMAGE RATIO:	7.30
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CALCULATED DAMAGE RATIO:	7.84
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Reservoir Temperature (F):	124.00
Formation Porosity :18
Formation Thickness (ft):	10.00
Wellbore Radius (in):	3.94
Reservoir Compressibility (psi ⁻¹):	4.80E-07
Calculated Skin Factor :	32.47

PRODUCTION WITH DAMAGE REMOVED (bbl/D):	156.74
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PRODUCTIVITY INDEX (bbl/psi):02
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Final Flow Pressure (psi):	209.00
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APPROXIMATE RADIUS OF INVESTIGATION (ft):	50.54
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Total Flowing Time (min):	60.00
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EXTRAPOLATED RESERVOIR PRESSURE (psi):	1445.00
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Slope of Build-up Curve (psi/log cycle):	38.22
Effective Producing Time (min):	60.00

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.