



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1997	1900	P.S.I.
(B) First Initial Flow Pressure	66	115	P.S.I.
(C) First Final Flow Pressure	66	62	P.S.I.
(D) Initial Closed-in Pressure	1097	1091	P.S.I.
(E) Second Initial Flow Pressure	88	150	P.S.I.
(F) Second Final Flow Pressure	110	112	P.S.I.
(G) Final Closed-in Pressure	1303	1309	P.S.I.
(H) Final Hydrostatic Mud	1975	1887	P.S.I.

SUPERIOR TESTERS ENTERPRISES INC.

WELL IDENTIFICATION DATA

COMPANY : ENERGY THREE INC. WELL NAME : PULLIAM #1
ADDRESS : P.O. BOX 1505, GREAT BEND LOCATION : C-SW-NW 22-27S-7W
STATE & COUNTY : KANSAS, KINGMAN FIELD :
ELEV. (GR) : - (KB) : - TEST DATE : 8-13-1991

EQUIPMENT AND HOLE DATA

FORMATION TESTED : MISSISSIPPI DRILL PIPE LENGTH(ft) : 3880
TEST INT. KB : 3885 to 3904 DRILL PIPE O.D. (in) : 3.82
ANCHOR LENGTH(ft) : 18 WEIGHT PIPE LENGTH(ft) :
TYPE OF TEST : Conventional WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-*kb*) : 3904 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*) : 3880
MUD VISCOSITY : 42 BOTTOM PACKER DEPTH(*kb*) : 3885
MUD CHLORIDES : 6000 DUAL PACKERS :
SURFACE CHOKE : 3/4 PACKER SIZE(in) : 6 3/4
BOTTOM CHOKE(in) : 3/4 PACKER HOLD : Yes
TOOL SIZE(O.D.) : 5 1/2 TOOL PLUG : No
TOOL JOINT SIZE(F.H.) : 4 1/2 REVERSED OUT : No
RESERVOIR TEMPERATURE(F) : 121 TEST TICKET NUMBER : 10885

EXTRA EQUIPMENT :

ELEMENT SERIAL NO. : 13203
RANGE : 0 - 4425 CLOCK RANGE : 12 HOURS
CAL. EQU. : 1110.69 * Defl. - 6.52

SURFACE BLOW

1st Opening : WEAK BLOW BUILT TO BOTTOM OF BUCKET-5 1/2 MINUTES
2nd Opening : WEAK BLOW BUILT TO 3 1/2 INCHES INTO THE WATER

RECOVERY

Recovered 540 feet of GAS IN THE PIPE
Recovered 60 feet of GAS CUT WATERY MUD WITH A TRACE OF OIL
Recovered 60 feet of MUDDY WATER-CHLORIDES 58000

REMARKS :

WITNESSED BY : STEVE MILLER

TOOL OPERATOR : PAT STEVENSON

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES INC.

SUPERIOR TESTERS ENTERPRISES INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 8-13-1991
 DEPTH : 3898.0

WELL NAME : PULLIAM #1
 LOCATION : C-SW-NW 22-27S-7W
 SERIAL NO. : 13203

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:1					
Depth : 3898.0 ft-kb					
-1ST HYDROSTATIC	0.0	1.722	1906.08	-5.64	1900.44
-11:00 1ST FLOW	0.0	.105	110.10	5.54	115.64
- 11:05	5.0	.072	73.45	5.85	79.30
- 11:10	10.0	.059	59.01	5.97	64.98
- 11:15	15.0	.057	56.79	5.99	62.78
- 11:20	20.0	.057	56.79	5.99	62.78
- 11:25	25.0	.056	55.68	6.00	61.67
- 11:30	30.0	.056	55.68	6.00	61.67
- 11:35	35.0	.056	55.68	6.00	61.67
- 11:40	40.0	.057	56.79	5.99	62.78
- 11:41	41.0	.057	56.79	5.99	62.78
-11:41 END FLOW	0.0	.057	56.79	5.99	62.78
- 11:44	3.0	.069	70.11	5.88	75.99
- 11:47	6.0	.111	116.76	5.48	122.25
- 11:50	9.0	.197	212.28	4.68	216.96
- 11:53	12.0	.332	362.23	3.41	365.64
- 11:56	15.0	.499	547.71	1.85	549.56
- 11:59	18.0	.650	715.42	.44	715.86
- 12:02	21.0	.755	832.05	-.55	831.50
- 12:05	24.0	.830	915.35	-1.25	914.10
- 12:08	27.0	.889	980.88	-1.80	979.07
- 12:09	28.0	.906	999.76	-1.96	997.80
- 12:14	33.0	.726	799.84	-.28	799.56
- 12:17	36.0	.688	757.63	.08	757.71
- 12:20	39.0	.675	743.19	.20	743.39
- 12:23	42.0	.673	740.97	.22	741.19
- 12:26	45.0	.674	742.08	.21	742.29
- 12:29	48.0	.718	790.95	-.20	790.75
- 12:32	51.0	.871	960.89	-1.63	959.25
- 12:35	54.0	.957	1056.40	-2.20	1054.20
- 12:38	57.0	.991	1094.17	-2.35	1091.81
-12:38 1ST SHUT-IN	0.0	.991	1094.17	-2.35	1091.81
-12:38 2ND FLOW	0.0	.137	145.64	5.24	150.88
- 12:43	5.0	.091	94.55	5.67	100.22
- 12:48	10.0	.082	84.55	5.75	90.31
- 12:53	15.0	.077	79.00	5.80	84.80
- 12:58	20.0	.077	79.00	5.80	84.80
- 13:03	25.0	.077	79.00	5.80	84.80
- 13:08	30.0	.077	79.00	5.80	84.80
- 13:13	35.0	.078	80.11	5.79	85.90

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SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 8-13-1991
 DEPTH : 3898.0

WELL NAME : PULLIAM #1
 LOCATION : C-SW-NW 22-27S-7W
 SERIAL NO. : 13203

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.: 1					
- 13:07	29.0	.007	1.25	6.46	7.71
- 13:23	45.0	.158	168.97	5.04	174.01
- 13:28	50.0	.110	115.65	5.49	121.15
- 13:33	55.0	.102	106.77	5.57	112.33
- 13:38	60.0	.102	106.77	5.57	112.33
-1:38 END FLOW	0.0	.102	106.77	5.57	112.33
- 1:41	3.0	.113	118.99	5.46	124.45
- 1:44	6.0	.178	191.18	4.86	196.04
- 1:47	9.0	.284	308.91	3.86	312.78
- 1:50	12.0	.434	475.52	2.46	477.97
- 1:53	15.0	.596	655.45	.94	656.39
- 1:56	18.0	.710	782.07	-.13	781.94
- 1:59	21.0	.784	864.26	-.82	863.44
- 2:02	24.0	.843	929.79	-1.37	928.41
- 2:05	27.0	.882	973.10	-1.74	971.37
- 2:08	30.0	.921	1016.42	-2.04	1014.38
- 2:11	33.0	.953	1051.96	-2.18	1049.78
- 2:14	36.0	.982	1084.17	-2.31	1081.86
- 2:17	39.0	1.009	1114.16	-2.43	1111.73
- 2:20	42.0	1.032	1139.71	-2.54	1137.17
- 2:23	45.0	.050	49.01	6.05	55.07
- 2:26	48.0	1.066	1177.47	-2.69	1174.78
- 2:29	51.0	1.083	1196.35	-2.77	1193.58
- 2:32	54.0	1.097	1211.90	-2.83	1209.07
- 2:35	57.0	1.111	1227.45	-2.89	1224.56
- 2:38	60.0	1.120	1237.45	-2.93	1234.51
- 2:41	63.0	1.129	1247.44	-2.97	1244.47
- 2:44	66.0	1.140	1259.66	-3.02	1256.64
- 2:47	69.0	1.148	1268.55	-3.06	1265.49
- 2:50	72.0	1.155	1276.32	-3.09	1273.23
- 2:53	75.0	1.162	1284.10	-3.12	1280.97
- 2:56	78.0	1.169	1291.87	-3.15	1288.72
- 2:59	81.0	1.174	1297.42	-3.18	1294.25
- 3:02	84.0	1.179	1302.98	-3.20	1299.78
- 3:05	87.0	1.184	1308.53	-3.22	1305.31
- 3:08	90.0	1.188	1312.97	-3.24	1309.73
-3:08 2ND SHUT-IN	0.0	1.188	1312.97	-3.24	1309.73
-2ND HYDROSTATIC	0.0	1.710	1892.75	-5.58	1887.17

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 8-13-91 Location C SW NW 22 27 7th Elevation _____ County _____

Company ENERGY THREE, Inc Number of Copies _____

Charts Mailed to POB 1505 GREAT Bend KS 67530

Drilling Contractor ALLEN Drilling Co

Length Drill Pipe 3880 I.D. Drill Pipe 380 Tool Joint Size 4 1/2 x 11

Length Weight Pipe _____ I.D. Weight Pipe _____ Tool Joint Size _____

Length Drill Collars _____ I.D. Drill Collars _____ Tool Joint Size _____

Top Packer Depth 3880 Bottom Packer Depth 3885 Number of Packers Two Packer Size 6 3/4

TESTED FROM 3885 TO 3904 ANCHOR LENGTH 18 TOTAL DEPTH 3904 Hole Size 7 3/8

LEASE & WELL NO. PULLIAM #1 FORMATION TESTED MISS TEST NO. 1

Mud Weight 9.5 Viscosity 42 Water Loss 12.8 Chlorides - Pits 6,000 D.S.T. 58,090

Maximum Temp. 121 °F Initial Hydrostatic Pressure (A) 1997 P.S.I. Final Hydrostatic Pressure (H) 1975 P.S.I.

Tool Open I.F.P. from 1100 m to 1145 m 45 min

Tool Closed I.C.I.P. from 1145 m to 1245 m 60 min

Tool Open F.F.P. from 1245 m to 145 m 60 min

Tool Closed F.C.I.P. from 145 m to 315 m 90 min

from [B] <u>66</u> P.S.I. to [C] <u>66</u> P.S.I.
[D] <u>1097</u> P.S.I.
from [E] <u>88</u> P.S.I. to [F] <u>110</u> P.S.I.
[G] <u>1305</u> P.S.I.

Initial Blow WEAK Building To Bottom 5 1/2"

Final Blow WEAK BLOW Building slowly 3 1/2" INTO WATER

Total Feet Recovered 540 GAS IN PIPE 120 WATERY MUD TRACE OF OIL Gravity of Oil _____ Corrected _____

540 Feet of GAS IN PIPE % Gas _____ % Oil 58 % Mud _____ % Water _____

60 Feet of WATERY MUD TRACE OF OIL + GAS % Gas _____ % Oil 58 % Mud 42 % Water _____

60 Feet of MUDDY WATER % Gas _____ % Oil 22 % Mud 78 % 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 _____ Safety Joint _____ Extra Packer _____ Straddle _____ Hook Wall _____

Top Recorder No. 13203 Clock No. 17577 Depth 3898 Cir. Sub _____ Sampler _____

Bottom Recorder No. 3214 Clock No. 27915 Depth 3901 Insurance _____

Price of Job _____

Tool Operator _____

Approved By _____

No 10885

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.