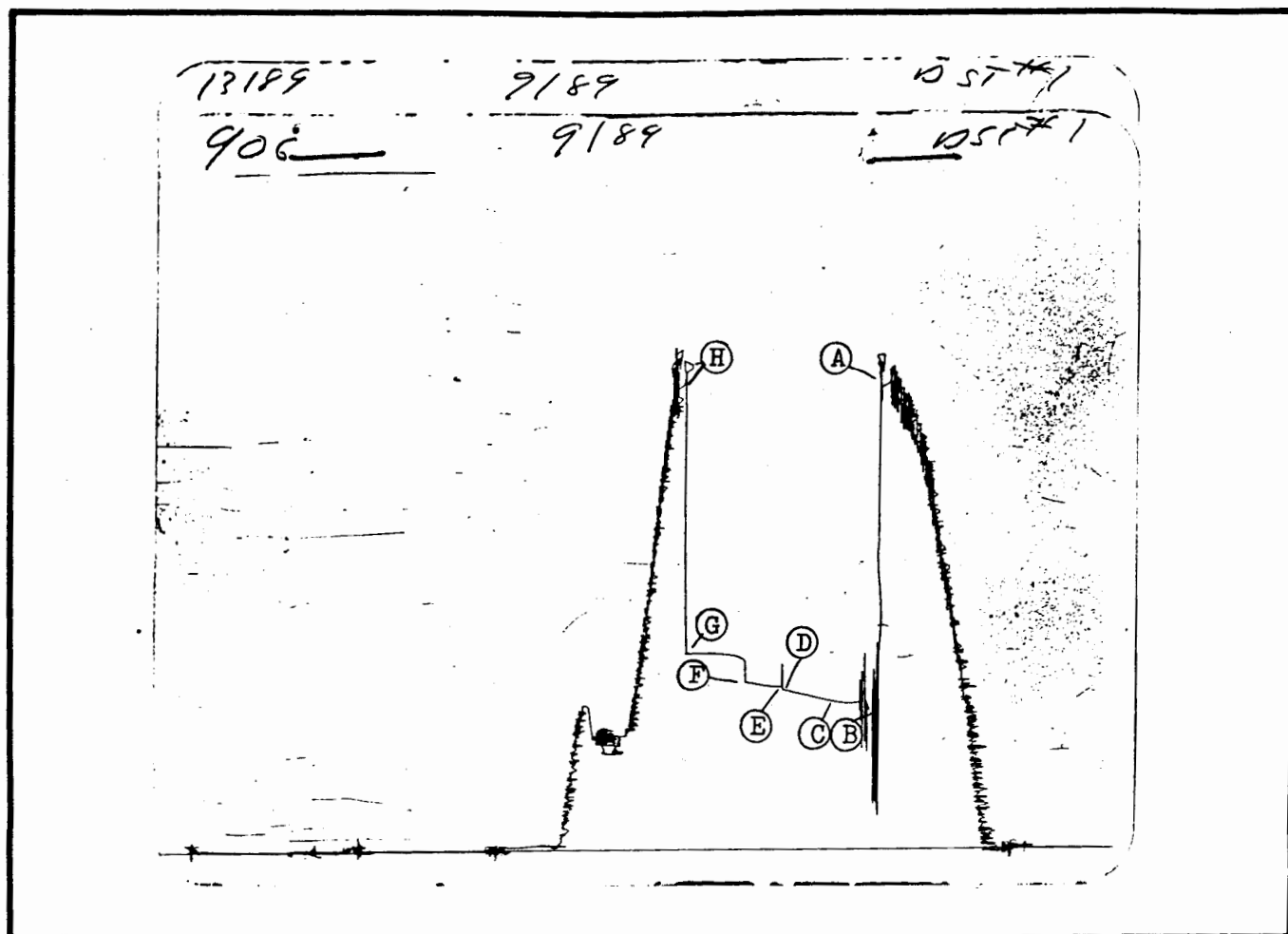




POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1812	1811	P.S.I.
(B) First Initial Flow Pressure	669	529	P.S.I.
(C) First Final Flow Pressure	764	579	P.S.I.
(D) Initial Closed-in Pressure	764	628	P.S.I.
(E) Second Initial Flow Pressure	764	729	P.S.I.
(F) Second Final Flow Pressure	764	658	P.S.I.
(G) Final Closed-in Pressure	764	774	P.S.I.
(H) Final Hydrostatic Mud	1765	1803	P.S.I.

SUPERIOR TESTERS ENTERPRISES, INC.

WELL IDENTIFICATION DATA

COMPANY : ENERGY THREE INC. WELL NAME : NICHOL #1
ADDRESS : P.O. BOX 1505, GREAT BEND LOCATION : 15-7S-22W
STATE & COUNTY : KANSAS, GRAHAM FIELD :
ELEV. (GR) : 2296 (KB) : TEST DATE : 2-18-85

EQUIPMENT AND HOLE DATA

FORMATION TESTED : TORONTO	DRILL PIPE LENGTH(ft) : 3467
TEST INT. KB : 3490 to 3512	DRILL PIPE O.D. (in) : 3.82
ANCHOR LENGTH(ft) : 22	WEIGHT PIPE LENGTH(ft) : NONE
TYPE OF TEST : Conventional	WEIGHT PIPE ID : 2.75
TOTAL DEPTH(ft-kb) : 3512	DRILL COLLAR LENGTH(ft) : NONE
MAIN HOLE SIZE(in) : 7 7/8	DRILL COLLAR I.D. (in) : 2.259
MUD WEIGHT : 9.6	TOP PACKER DEPTH(kb) : 3485
MUD VISCOSITY : 52	BOTTOM PACKER DEPTH(kb) : 3490
MUD CHLORIDES : 2000	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 : YES
RESERVOIR TEMPERATURE(F) : 109	TEST TICKET NUMBER : 9189

EXTRA EQUIPMENT : -CIRC.SUB

ELEMENT SERIAL NO. : 906
RANGE : 0 - 2875 CLOCK RANGE : 12 HOURS
CAL. EQU. : $720.06 * \text{Defl.} + 3.83$

SURFACE BLOW

1st Opening : STRONG OFF BOTTOM OF BUCKET IN 1 MINUTE
2nd Opening : GOOD 4 INCHES IN BUCKET

RECOVERY

Recovered 1260 feet of SALT WATER

REMARKS :

WATER HYDROSTATIC IN PIPE

WITNESSED BY : TOOL OPERATOR : JON BUCHHOLZ

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 2-18-85
 DEPTH : 3504.0

WELL NAME : NICHOL #1
 LOCATION : 15-7S-22W
 SERIAL NO. : 906

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			CALC	CORR	CORRECTED
TEST NO.: 1					
Depth : 3504.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.509	1810.45	1.15	1811.60
-05:10 1ST FLOW	0.0	.730	529.47	.28	529.75
- 5:11	1.0	.730	529.47	.28	529.75
- 5:14	4.0	.785	569.08	.59	569.67
- 5:14	4.0	.537	390.50	-.81	389.70
- 5:14	4.0	.803	582.04	.69	582.73
- 5:15	5.0	.750	543.87	.39	544.27
- 5:15	5.0	.682	494.91	.01	494.92
- 5:16	6.0	.875	633.88	1.10	634.98
- 5:16	6.0	.583	423.63	-.55	423.08
- 5:16	6.0	1.065	770.59	2.17	772.86
- 5:16	6.0	.850	615.88	.96	616.84
- 5:18	8.0	.850	615.88	.96	616.84
- 5:18	8.0	.962	696.53	1.59	698.11
- 5:18	8.0	.550	399.86	-.73	399.13
- 5:20	10.0	.906	656.20	1.27	657.47
- 5:20	10.0	.757	548.91	.43	549.35
- 5:20	10.0	.870	630.28	1.07	631.35
- 5:21	11.0	.798	578.44	.66	579.10
- 5:23	13.0	.795	576.28	.65	576.92
- 5:28	18.0	.793	574.84	.63	575.47
- 5:32	22.0	.793	574.84	.63	575.47
- 5:37	27.0	.795	576.28	.65	576.92
- 5:39	29.0	.799	579.16	.67	579.83
-05:39 END FLOW	0.0	.799	579.16	.67	579.83
- 5:42	3.0	.802	581.32	.69	582.00
- 5:45	6.0	.807	584.92	.71	585.63
- 5:48	9.0	.811	587.80	.74	588.53
- 5:51	12.0	.816	591.40	.76	592.16
- 5:54	15.0	.819	593.56	.78	594.34
- 5:57	18.0	.824	597.16	.81	597.97
- 6:00	21.0	.829	600.76	.84	601.60
- 6:03	24.0	.835	605.08	.87	605.95
- 6:06	27.0	.839	607.96	.89	608.85
- 6:09	30.0	.843	610.84	.92	611.76
- 6:12	33.0	.849	615.16	.95	616.11
- 6:15	36.0	.853	618.04	.97	619.01
- 6:18	39.0	.859	622.36	1.01	623.37
- 6:20	41.0	.863	625.24	1.03	626.27
- 6:22	43.0	.866	627.40	1.05	628.45

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
DATE OF TEST : 2-18-85
DEPTH : 3504.0

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W
SERIAL NO. : 906

COMMENTS	TIME min	DEFL in	----- PRESSURE PSIG -----		
			CALC	CORR	CORRECTED
TEST NO.:1					
-06:22 1ST SHUT-IN	0.0	.866	627.40	1.05	628.45
-06:22 2ND FLOW	0.0	1.005	727.49	1.83	729.32
- 6:22	0.0	.883	639.64	1.14	640.78
- 6:26	4.0	.883	639.64	1.14	640.78
- 6:31	9.0	.885	641.08	1.15	642.24
- 6:35	13.0	.887	642.52	1.16	643.69
- 6:40	18.0	.892	646.12	1.19	647.31
- 6:44	22.0	.897	649.72	1.22	650.94
- 6:49	27.0	.903	654.04	1.25	655.30
- 6:52	30.0	.907	656.92	1.28	658.20
-06:52 END FLOW	0.0	.907	656.92	1.28	658.20
- 6:55	3.0	1.039	751.97	2.02	753.99
- 6:58	6.0	1.049	759.17	2.08	761.25
- 7:01	9.0	1.055	763.49	2.11	765.60
- 7:04	12.0	1.058	765.65	2.13	767.78
- 7:07	15.0	1.061	767.81	2.14	769.96
- 7:10	18.0	1.063	769.25	2.16	771.41
- 7:13	21.0	1.064	769.97	2.16	772.13
- 7:16	24.0	1.066	771.41	2.17	773.59
- 7:19	27.0	1.067	772.13	2.18	774.31
- 7:22	30.0	1.067	772.13	2.18	774.31
- 7:25	33.0	1.067	772.13	2.18	774.31
- 7:28	36.0	1.067	772.13	2.18	774.31
- 7:31	39.0	1.067	772.13	2.18	774.31
- 7:34	42.0	1.067	772.13	2.18	774.31
- 7:36	44.0	1.067	772.13	2.18	774.31
- 7:39	47.0	1.067	772.13	2.18	774.31
-07:39 2ND SHUT-IN	0.0	1.067	772.13	2.18	774.31
-2ND HYDROSTATIC	0.0	2.498	1802.53	1.19	1803.72

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 2-18-85

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W

RECOVERY INFORMATION

LIQUID RECOVERY

Total Fluid Recovered : 1260

Recovered 1260 feet of SALT WATER

GAS RECOVERY

Measured With :

Riser :

Time (min.)

(

)

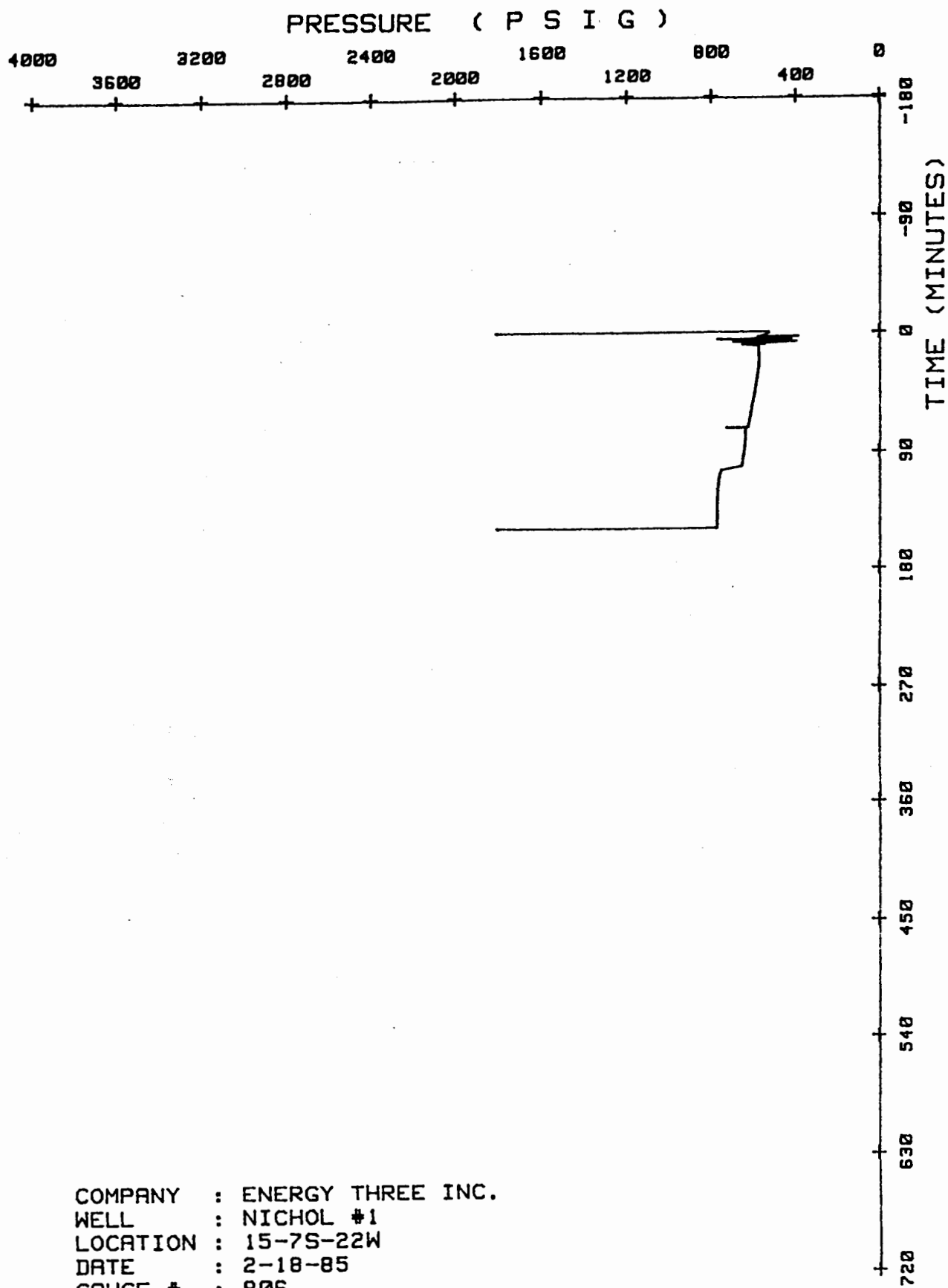
Reading

Surface Choke (in.)

Cubic feet/day

FLUID PROPERTIES

	Viscosity (cp)	Compressibility (psi-1)	Pore Space Saturation
Oil			
Gas			
Water			

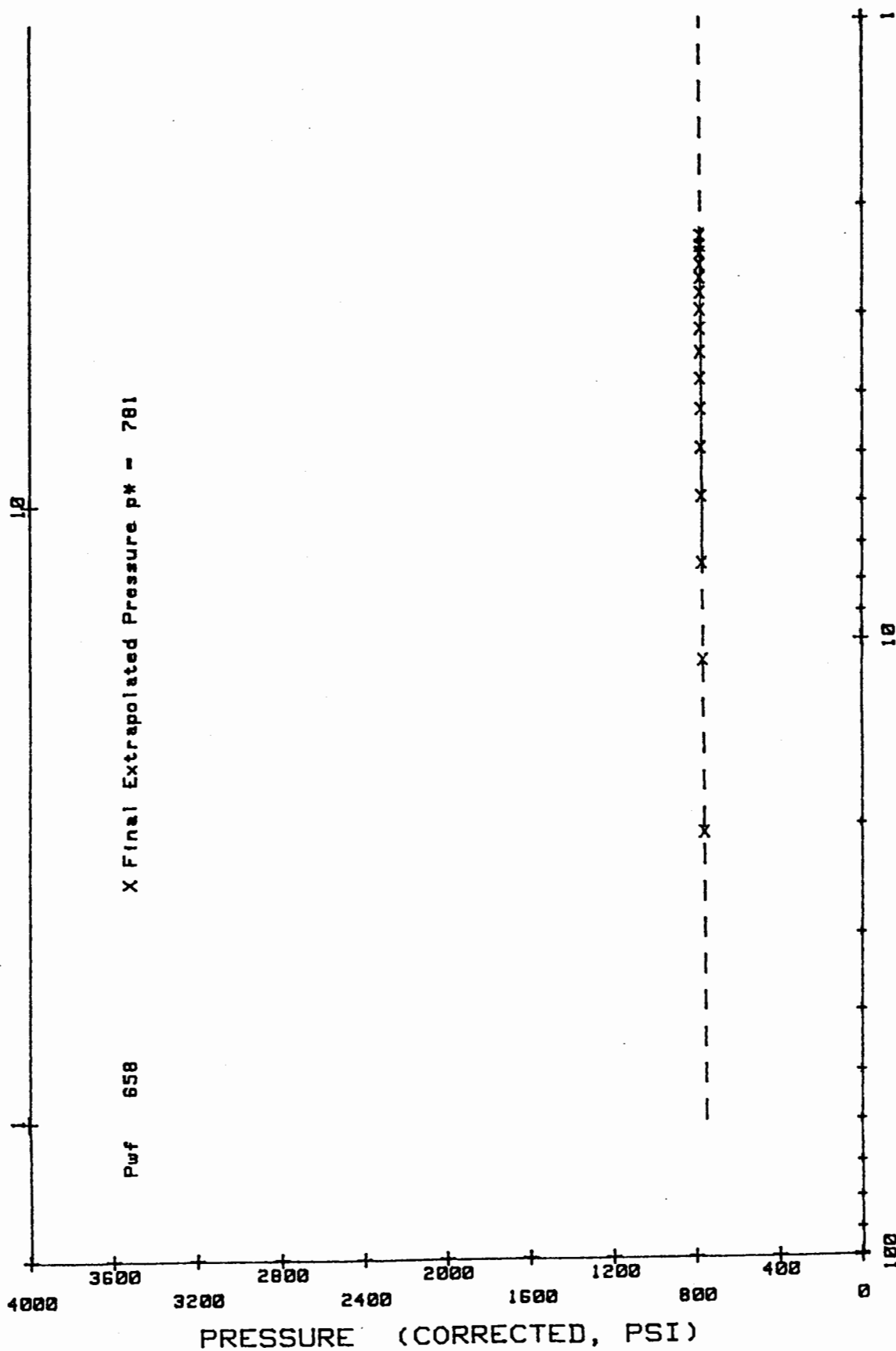


COMPANY : ENERGY THREE INC.
WELL : NICHOL #1
LOCATION : 15-7S-22W
DATE : 2-18-85
GAUGE # : 906

GAUGE # : 906

DATE : 2-18-85

LOCATION : 15-7S-22W



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

SUPERIOR TESTERS ENTERPRISES, INC.

HORNER ANALYSIS

COMPANY : ENERGY THREE INC.
 WELL NAME : NICHOL #1
 LOCATION : 15-7S-22W
 STATE & COUNTY : KANSAS, GRAHAM
 DATE OF TEST : 2-18-85
 TEST INT. KB : 3490 to 3512
 TOTAL INTERVAL (ft) K.B. : 22.00
 ELEV.(GR) : 2296 (KB) :
 FIELD :

ELEMENT SERIAL NO. : 906
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth : 3504.0 ft-kb			
-06:52 END FLOW	0.00	0.00	658.20
	3.00	20.67	753.99
	6.00	10.83	761.25
	9.00	7.56	765.60
	12.00	5.92	767.78
	15.00	4.93	769.96
	18.00	4.28	771.41
	21.00	3.81	772.13
	24.00	3.46	773.58
	27.00	3.19	774.31
	30.00	2.97	774.31
	33.00	2.79	774.31
	36.00	2.64	774.31
	39.00	2.51	774.31
	42.00	2.40	774.31
	44.00	2.34	774.31
	47.00	2.26	774.31
-07:39 2ND SHUT-IN	0.00	0.00	774.31

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 2-18-85
DST. NO : 1

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W
SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	781.00
Slope of Build-up Curve (psi/log cycle):	17.58
Effective Producing Time (min):	59.00

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : ENERGY THREE INC.
 DATE OF TEST : 2-18-85
 DST. NO : 1

WELL NAME : NICHOL #1
 LOCATION : 15-7S-22W
 SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

TRANSMISSIBILITY

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

EFFECTIVE PERMEABILITY

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

TOTAL MOBILITY (md/cp):	0.00
-------------------------	------

TOTAL COMPRESSIBILITY (psi ⁻¹):	0.00E+00
---	----------

ESTIMATED DAMAGE RATIO:	1.58
-------------------------	------

CALCULATED DAMAGE RATIO:	0.00
--------------------------	------

Reservoir Temperature (F):	109.00
----------------------------	--------

Formation Porosity :	0.00
----------------------	------

Formation Thickness (ft):	15.00
---------------------------	-------

Wellbore Radius (in):	3.94
-----------------------	------

Reservoir Compressibility (psi ⁻¹):	0.00E+00
---	----------

Calculated Skin Factor :	0.00
--------------------------	------

PRODUCTION WITH DAMAGE REMOVED (bbl/D):	0.00
---	------

PRODUCTIVITY INDEX (bbl/psi):	0.00
-------------------------------	------

Final Flow Pressure (psi):	658.00
----------------------------	--------

APPROXIMATE RADIUS OF INVESTIGATION (ft):	0.00
---	------

Total Flowing Time (min):	59.00
---------------------------	-------

EXTRAPOLATED RESERVOIR PRESSURE (psi):	781.00
--	--------

Slope of Build-up Curve (psi/log cycle):	17.58
--	-------

Effective Producing Time (min):	59.00
---------------------------------	-------

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS
RR #1, Box 295B, Great Bend, Kansas

Date 2, 18, 85 Location NESE, SW, TS, 7, 22 Elevation 2296⁶² County Graham
Company Energy Three Inc Number of Copies 4
Address P.O. Box 1505, Great Bend Ka 67530
Charts Mailed to P.O. Box 1505, Great Bend Ka 67530
Invoice Mailed to P.O. Box 1505, Great Bend Ka 67530
Lease Michael Well No. 1 Formation Tested Toronto
banding Test No. 1
Depth 3512 Tested from 3490 to 3512 Packer Size 6 3/8 Anchor Length 22
Top Packer Depth 3485 ft. Bottom Packer Depth 3490 ft. Dual Packers yes
Tool Joint Size 4 1/2 FH Tool Size 5 1/2 OD Hole Size 7 7/8" Did Packer Hold yes
Drilling Contractor Big Three Drilling Rig #1
Length Drill Pipe 3467 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2 XH
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
Tool Open I.F.P. from 5.70 A m to 5.40 m 30 min
Tool Closed I.C.I.P. from 5.40 A m to 6.25 m 45 min
Tool Open F.F.P. from 6.25 A m to 6.55 m 30 min
Tool Closed F.C.I.P. from 6.55 A m to 7.40 A m 45 min
Initial Hydrostatic Pressure [A] 1812 P.S.I. Final Hydrostatic Pressure [H] 1765 P.S.I. Maximum Temp 109 °F
Initial Blow Strong Blow off bottom of bucket in 1 min
Final Blow Good Blow 4" in bucket
Gas to Surface N Min. Oil to Surface N Min. Mut Weight 9.6 Viscosity 52
Gas Guaged N

from [B] <u>669</u> P.S.I. to [C] <u>764</u> P.S.I.
[D] <u>764</u> P.S.I.
from [E] <u>764</u> P.S.I. to [F] <u>764</u> P.S.I.
[G] <u>764</u> P.S.I.

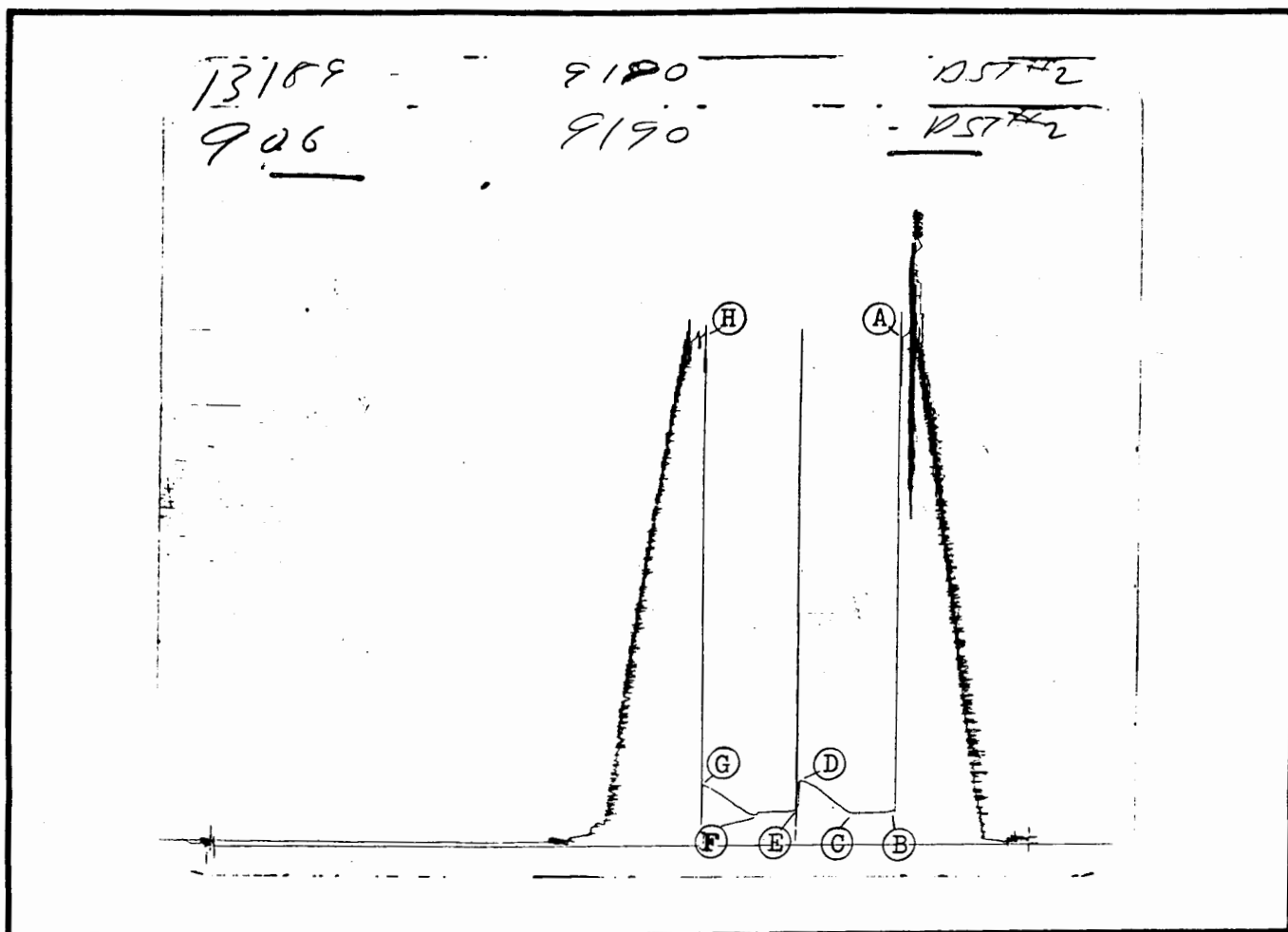
Recovery 1260 feet salt water

Remarks water hydrostatic in pipe.

Extra Equipment-Jars N Safety Joint N Extra Packer N Straddle N Hook Wall N
Top Recorder No. 906 Clock no. 27442 Depth 3504 Clr. Sub 45.00 Sampler N
Bottom Recorder No. 13189 Clock No. 23913 Depth 3509 Chlorides - ppts 2000 D.S.T. 68000
Price of Job 645.00
Tool Operator Jon Buckholz
Approved By _____

SUPERIOR TESTERS, INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND TO THE PROPERTY OR PERSONEL 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 STATEMENT 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.

Ticket N° 9189



POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1984	1987	P.S.I.
(B) First Initial Flow Pressure	130	133	P.S.I.
(C) First Final Flow Pressure	130	124	P.S.I.
(D) Initial Closed-in Pressure	253	248	P.S.I.
(E) Second Initial Flow Pressure	137	155	P.S.I.
(F) Second Final Flow Pressure	130	127	P.S.I.
(G) Final Closed-in Pressure	239	234	P.S.I.
(H) Final Hydrostatic Mud	1948	1946	P.S.I.

SUPERIOR TESTERS ENTERPRISES, INC.

WELL IDENTIFICATION DATA

COMPANY : ENERGY THREE INC. WELL NAME : NICHOL #1
ADDRESS : P.O. BOX 1505, GREAT BEND LOCATION : 15-7S-22W
STATE & COUNTY : KANSAS, GRAHAM FIELD :
ELEV.(GR) : 2296 (KB) : TEST DATE : 2-19-85

EQUIPMENT AND HOLE DATA

FORMATION TESTED :	DRILL PIPE LENGTH(ft) : 3753
TEST INT. KB : 3773 to 3800	DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 27	WEIGHT PIPE LENGTH(ft) : NONE
TYPE OF TEST : Conventional	WEIGHT PIPE ID : NONE
TOTAL DEPTH(ft-kb) : 3800	DRILL COLLAR LENGTH(ft) : NONE
MAIN HOLE SIZE(in) : 7 7/8	DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.4	TOP PACKER DEPTH(kb) : 3768
MUD VISCOSITY : 47	BOTTOM PACKER DEPTH(kb) : 3773
MUD CHLORIDES : 8000	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) : 105	TEST TICKET NUMBER : 9190

EXTRA EQUIPMENT :

ELEMENT SERIAL NO. : 906
RANGE : 0 - 2875 CLOCK RANGE : 12 HOURS
CAL. EQU. : 720.06 * Defl. + 3.83

SURFACE BLOW

1st Opening : WEAK DIED IN 5 MINUTES
2nd Opening : NO BLOW-FLUSHED TOOL-WEAK SURGE-NO BLOW

RECOVERY

Recovered 140 feet of MUD

REMARKS :

BRIDGE WAS 180 FT. OFF BOTTOM-TOOL OPEN & WENT TO BOTTOM-
BUT PICKED UP SOME MUD

WITNESSED BY : TOOL OPERATOR : JON BUCHHOLZ

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
DATE OF TEST : 2-19-85
DEPTH : 3793.0

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W
SERIAL NO. : 906

COMMENTS	TIME min	DEFL in	----- CALC	PRESSURE PSIG CORR	----- CORRECTED
TEST NO.:2					
Depth : 3793.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.754	1986.87	.24	1987.11
-21:30 1ST FLOW	0.0	.184	136.32	-2.80	133.53
- 21:35	5.0	.177	131.28	-2.84	128.45
- 21:39	9.0	.173	128.40	-2.86	125.54
- 21:43	13.0	.172	127.68	-2.86	124.82
- 21:47	17.0	.172	127.68	-2.86	124.82
- 21:52	22.0	.172	127.68	-2.86	124.82
- 21:56	26.0	.171	126.96	-2.87	124.09
- 22:00	30.0	.171	126.96	-2.87	124.09
- 22:02	32.0	.171	126.96	-2.87	124.09
-22:02 END FLOW	0.0	.171	126.96	-2.87	124.09
- 22:05	3.0	.172	127.68	-2.86	124.82
- 22:08	6.0	.183	135.60	-2.80	132.80
- 22:11	9.0	.197	145.68	-2.72	142.96
- 22:13	11.0	.211	155.76	-2.64	153.12
- 22:16	14.0	.225	165.85	-2.57	163.28
- 22:19	17.0	.241	177.37	-2.48	174.89
- 22:22	20.0	.259	190.33	-2.37	187.95
- 22:25	23.0	.276	202.57	-2.28	200.29
- 22:28	26.0	.294	215.53	-2.18	213.35
- 22:31	29.0	.308	225.61	-2.10	223.51
- 22:34	32.0	.316	231.37	-2.05	229.32
- 22:37	35.0	.325	237.85	-2.00	235.85
- 22:39	37.0	.337	246.49	-1.93	244.56
- 22:42	40.0	.342	250.09	-1.91	248.19
- 22:44	42.0	.343	250.81	-1.90	248.91
-22:44 1ST SHUT-IN	0.0	.343	250.81	-1.90	248.91
-22:44 2ND FLOW	0.0	.214	157.92	-2.63	155.30
- 22:45	1.0	.208	153.60	-2.66	150.94
- 22:45	1.0	.147	109.68	-3.00	106.68
- 22:45	1.0	2.791	2013.51	.14	2013.65
- 22:46	2.0	.019	17.51	-3.73	13.79
- 22:46	2.0	.187	138.48	-2.78	135.70
- 22:49	5.0	.185	137.04	-2.79	134.25
- 22:53	9.0	.181	134.16	-2.81	131.35
- 22:57	13.0	.180	133.44	-2.82	130.62
- 23:01	17.0	.180	133.44	-2.82	130.62
- 23:06	22.0	.180	133.44	-2.82	130.62
- 23:10	26.0	.178	132.00	-2.83	129.17
- 23:10	26.0	.177	131.28	-2.84	128.45

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
DATE OF TEST : 2-19-85
DEPTH : 3793.0

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W
SERIAL NO. : 906

COMMENTS	TIME min	DEFL in	----- CALC	PRESSURE PSIG CORR CORRECTED
TEST NO.:2				
- 23:16	32.0	.176	130.56	-2.84 127.72
-23:16 END FLOW	0.0	.176	130.56	-2.84 127.72
- 23:16	0.0	.166	123.36	-2.90 120.46
- 23:19	3.0	.165	122.64	-2.90 119.74
- 23:22	6.0	.167	124.08	-2.89 121.19
- 23:25	9.0	.176	130.56	-2.84 127.72
- 23:27	11.0	.191	141.36	-2.75 138.61
- 23:30	14.0	.201	148.56	-2.70 145.86
- 23:33	17.0	.212	156.48	-2.64 153.85
- 23:36	20.0	.228	168.01	-2.55 165.46
- 23:39	23.0	.244	179.53	-2.46 177.07
- 23:42	26.0	.258	189.61	-2.38 187.23
- 23:45	29.0	.272	199.69	-2.30 197.39
- 23:48	32.0	.286	209.77	-2.22 207.55
- 23:51	35.0	.298	218.41	-2.15 216.26
- 23:54	38.0	.309	226.33	-2.09 224.24
- 23:56	40.0	.317	232.09	-2.05 230.04
- 23:59	43.0	.323	236.41	-2.01 234.40
-23:59 2ND SHUT-IN	0.0	.323	236.41	-2.01 234.40
-2ND HYDROSTATIC	0.0	2.697	1945.82	.45 1946.28

SUPERIOR TESTERS ENTERPRISES, INC.

ERROR IN SUMMARY CALCULATIONS

***** CAUTION; DATA INCOMPLETE
DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 2-19-85

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W

RECOVERY INFORMATION

LIQUID RECOVERY

Total Fluid Recovered : 140

Recovered 140 feet of MUD

GAS RECOVERY

Measured With :

Riser :

(.)

Time (min.)

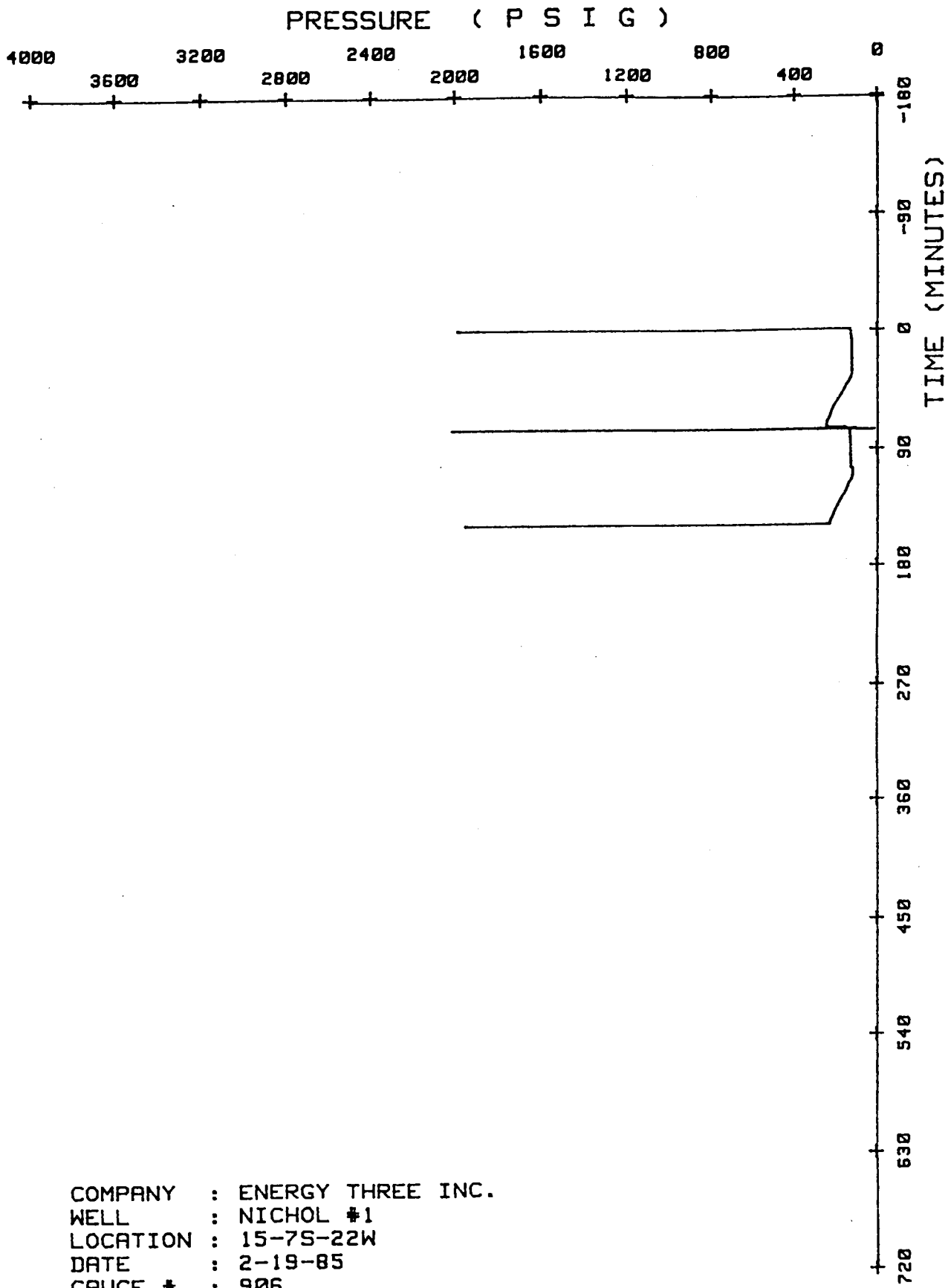
Reading

Surface Choke (in.)

Cubic feet/day

FLUID PROPERTIES

	Viscosity (cp)	Compressibility (psi-1)	Pore Space Saturation
Oil			
Gas			
Water			



COMPANY : ENERGY THREE INC.
WELL : NICHOL #1
LOCATION : 15-7S-22W
DATE : 2-19-85
GAUGE # : 906

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : ENERGY THREE INC. WELL NAME : NICHOL #1
 DATE OF TEST : 2-19-85 LOCATION : 15-78-22W
 DST. NO : 2 SHUT-IN PERIOD :

INTERPRETIVE DATA

TRANSMISSIBILITY

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

EFFECTIVE PERMEABILITY

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

TOTAL MOBILITY (md/cp): 0.00

TOTAL COMPRESSIBILITY (psi⁻¹): 0.00E+00

ESTIMATED DAMAGE RATIO: 0.00

CALCULATED DAMAGE RATIO: 0.00

Reservoir Temperature (F): 105.00

Formation Porosity: 0.00

Formation Thickness (ft): 10.00

Wellbore Radius (in): 3.54

Reservoir Compressibility (psi⁻¹): 0.00E+00

Calculated Skin Factor: 0.00

PRODUCTION WITH DAMAGE REMOVED: 0.00

PRODUCTIVITY INDEX: 0.00

Final Flow Pressure (psi): 127.00

APPROXIMATE RADIUS OF INVESTIGATION (ft): 0.00

Total Flowing Time (min): 0.00

EXTRAPOLATED RESERVOIR PRESSURE (psi): 0.00

Slope of Build-up Curve (psi/log cycle): 0.00

Effective Producing Time (min): 0.00

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS
RR #1, Box 295B, Great Bend, Kansas

Date 2, 19, 85 Location NE, SE, SW, 15, 7s, 22w Elevation 2296⁶² County Graham
Company Energy Three Inc. Number of Copies 4
Address P.O. Box 1505, Great Bend, Ks. 67530
Charts Mailed to P.O. Box 1505, Great Bend, Ks. 67530
Invoice Mailed to P.O. Box 1505, Great Bend, Ks. 67530
Lease Nic 40 L Well No. 1 Formation Tested _____ Test No. 20
Depth 3800 Tested from 3773 to 3800 Packer Size 6 3/4 Anchor Length 27'
Top Packer Depth 3768 ft. Bottom Packer Depth 3773 ft. Dual Packers yes
Tool Joint Size 4 1/2 FH Tool Size 5 1/2 OD Hole Size 7 3/8 Did Packer Hold yes
Drilling Contractor Big Three Drilling R.g. #1
Length Drill Pipe 3753 I.D. Drill Pipe 380 Tool Joint Size 4 1/2 XH
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

Tool Open I.F.P. from 9:30 P m to 10:00 m 30 min
Tool Closed I.C.I.P. from 10:00 P m to 10:45 m 45 min
Tool Open F.F.P. from 10:45 P m to 11:15 m 30 min
Tool Closed F.C.I.P. from 11:15 P m to 12:00 A m 45 min

from [B] <u>130</u> P.S.I. to [C] <u>130</u> P.S.I.
[D] <u>253</u> P.S.I.
from [E] <u>137</u> P.S.I. to [F] <u>130</u> P.S.I.
[G] <u>239</u> P.S.I.

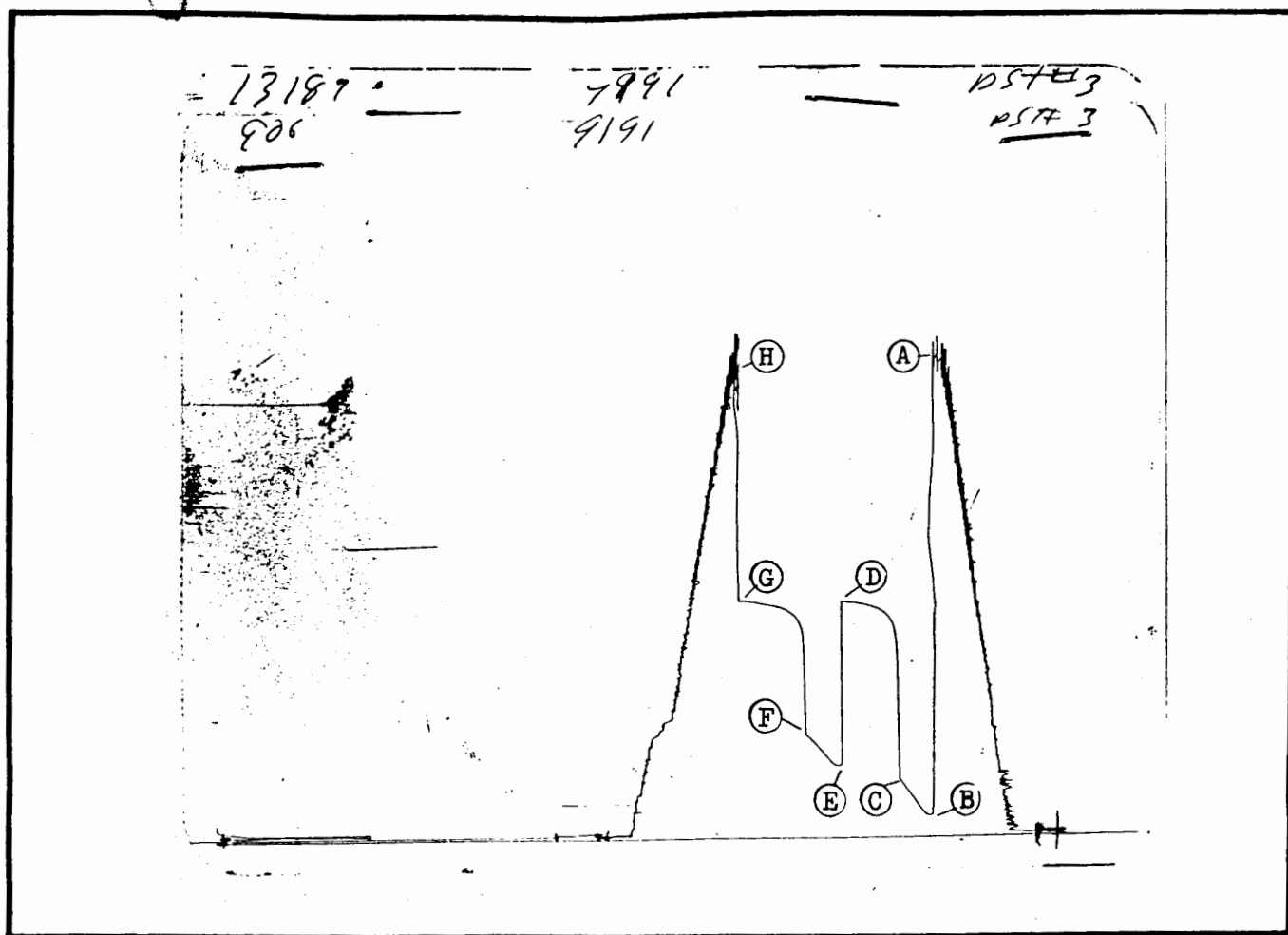
Initial Hydrostatic Pressure [A] 1984 P.S.I. Final Hydrostatic Pressure [H] 1948 P.S.I. Maximum Temp 105 °F
Initial Blow Weak Blow Died in 5 min
Final Blow No Blow. Flush Tool work surface. No Blow
Gas to Surface No Min. Oil to Surface No Min. Mut Weight 9.4 Viscosity 947
Gas Guaged No

Recovery 140 feet of Mud.

Remarks Bridge was 180 feet off bottom. Tool open and vent to bottom. But pick up some mud.
Extra Equipment-Jars No Safety Joint No Extra Packer No Straddle No Hook Wall No
Top Recorder No. 906 Clock no. 27442 Depth 3793 Ctr. Sub No Sampler No
Bottom Recorder No. 13188 Clock No. 22513 Depth 3897 Chlorides - ppts 8000 D.S.T. -
Price of Job 100.00
Tool Operator Tan Buchholz
Approved By _____

SUPERIOR TESTERS, INC. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND TO THE PROPERTY OR PERSONEL 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.

Ticket No 9190



POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1876	1870	P.S.I.
(B) First Initial Flow Pressure	86	83	P.S.I.
(C) First Final Flow Pressure	231	224	P.S.I.
(D) Initial Closed-in Pressure	936	925	P.S.I.
(E) Second Initial Flow Pressure	282	284	P.S.I.
(F) Second Final Flow Pressure	405	402	P.S.I.
(G) Final Closed-in Pressure	936	930	P.S.I.
(H) Final Hydrostatic Mud	1840	1842	P.S.I.

SUPERIOR TESTERS ENTERPRISES, INC.

WELL IDENTIFICATION DATA

COMPANY : ENERGY THREE INC. WELL NAME : NICHOL #1
ADDRESS : P.O. BOX 1505, GREAT BEND LOCATION : 15-7S-22W
STATE & COUNTY : KANSAS, GRAHAM FIELD :
ELEV.(GR) : 2296 (KB) : TEST DATE : 2-20-85

EQUIPMENT AND HOLE DATA

FORMATION TESTED : LANSING	DRILL PIPE LENGTH(ft) : 3525
TEST INT. KB : 3540 to 3561	DRILL PIPE O.D.(in) : 3.82
ANCHOR LENGTH(ft) : 21	WEIGHT PIPE LENGTH(ft) : NONE
TYPE OF TEST : Conventional	WEIGHT PIPE ID : NONE
TOTAL DEPTH(ft-kb) : 3890	DRILL COLLAR LENGTH(ft) : NONE
MAIN HOLE SIZE(in) : 7 7/8	DRILL COLLAR I.D.(in) : 2.259
MUD WEIGHT : 9.7	TOP PACKER DEPTH(kb) : 3540
MUD VISCOSITY : 48	BOTTOM PACKER DEPTH(kb) : 3561
MUD CHLORIDES : 6000	DUAL PACKERS : NO
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 : YES
RESERVOIR TEMPERATURE(F) : 106	TEST TICKET NUMBER : 9191

EXTRA EQUIPMENT : -CIRC.SUE
-STRADDLE

ELEMENT SERIAL NO. : 906
RANGE : 0 - 2875 CLOCK RANGE : 12 HOURS
CAL. EQU. : 720.06 * Defl. + 3.83

SURFACE BLOW

1st Opening : STRONG OFF BOTTOM OF BUCKET IN 6 MINUTES
2nd Opening : STRONG OFF BOTTOM OF BUCKET IN 8 MINUTES

RECOVERY

Recovered 780 feet of SALT WATER

REMARKS :

0
0

WITNESSED BY : TOOL OPERATOR : JON BUCHHOLZ

INTERPRETATION BY : SUPERIOR TESTERS ENTERPRISES, INC.

SUPERIOR TESTERS ENTERPRISES, INC.

SUBSURFACE PRESSURE MEASUREMENTS

COMPANY : ENERGY THREE INC.
DATE OF TEST : 2-20-85
DEPTH : 35555.0

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W
SERIAL NO. : 906

COMMENTS	TIME min	DEFL in	PRESSURE PSIG		
			----- CALC	CORR	CORRECTED
TEST NO.:3					
Depth : 35555.0 ft-kb					
-1ST HYDROSTATIC	0.0	2.591	1869.50	.85	1870.34
-23:00 1ST FLOW	0.0	.115	86.64	-3.18	83.45
- 23:04	4.0	.115	86.64	-3.18	83.45
- 23:09	9.0	.148	110.40	-3.00	107.40
- 23:13	13.0	.194	143.52	-2.74	140.78
- 23:17	17.0	.234	172.33	-2.51	169.81
- 23:22	22.0	.276	202.57	-2.28	200.29
- 23:26	26.0	.309	226.33	-2.09	224.24
-23:26 END FLOW	0.0	.309	226.33	-2.09	224.24
- 23:29	3.0	1.116	807.41	2.45	809.87
- 23:32	6.0	1.167	844.14	2.74	846.88
- 23:35	9.0	1.195	866.46	2.92	869.38
- 23:37	11.0	1.216	879.42	3.02	882.44
- 23:40	14.0	1.231	890.22	3.10	893.32
- 23:43	17.0	1.240	896.70	3.15	899.85
- 23:46	20.0	1.246	901.02	3.19	904.21
- 23:49	23.0	1.252	905.34	3.22	908.56
- 23:52	26.0	1.257	908.94	3.25	912.19
- 23:55	29.0	1.262	912.54	3.28	915.82
- 23:58	32.0	1.266	915.42	3.30	918.72
- 0:01	35.0	1.268	916.86	3.31	920.17
- 0:03	37.0	1.270	918.30	3.32	921.63
- 0:06	40.0	1.273	920.46	3.34	923.80
- 0:09	43.0	1.275	921.90	3.35	925.25
- 0:11	45.0	1.276	922.62	3.36	925.98
-00:11 1ST SHUT-IN	0.0	1.276	922.62	3.36	925.98
-00:11 2ND FLOW	0.0	.392	286.09	-1.62	284.47
- 0:16	5.0	.389	283.93	-1.64	282.29
- 0:20	9.0	.408	297.62	-1.53	296.08
- 0:24	13.0	.445	324.26	-1.33	322.93
- 0:28	17.0	.479	348.74	-1.13	347.61
- 0:33	22.0	.513	373.22	-.94	372.28
- 0:37	26.0	.544	395.54	-.77	394.78
- 0:39	28.0	.554	402.74	-.71	402.03
-00:39 END FLOW	0.0	.554	402.74	-.71	402.03
- 0:42	3.0	1.134	820.38	2.56	822.93
- 0:45	6.0	1.180	853.50	2.81	856.31
- 0:48	9.0	1.203	870.06	2.94	873.00
- 0:51	12.0	1.219	881.58	3.03	884.62
- 0:53	14.0	1.232	890.94	3.11	894.05

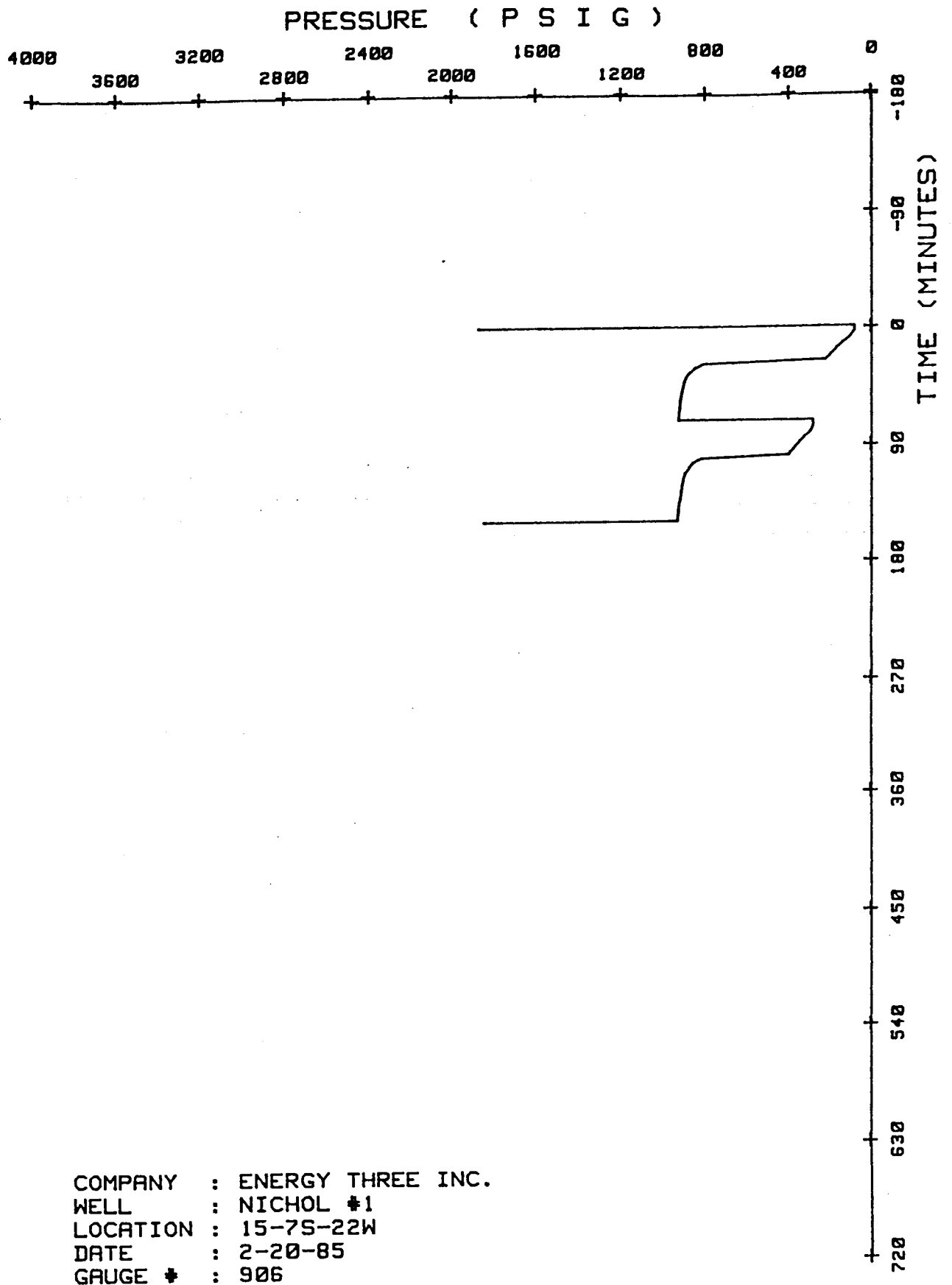
DATA SUMMARY

WELL NAME : NICHOL #1
LOCATION : 15-75-22W

Recovered 780 feet of SALT WATER

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

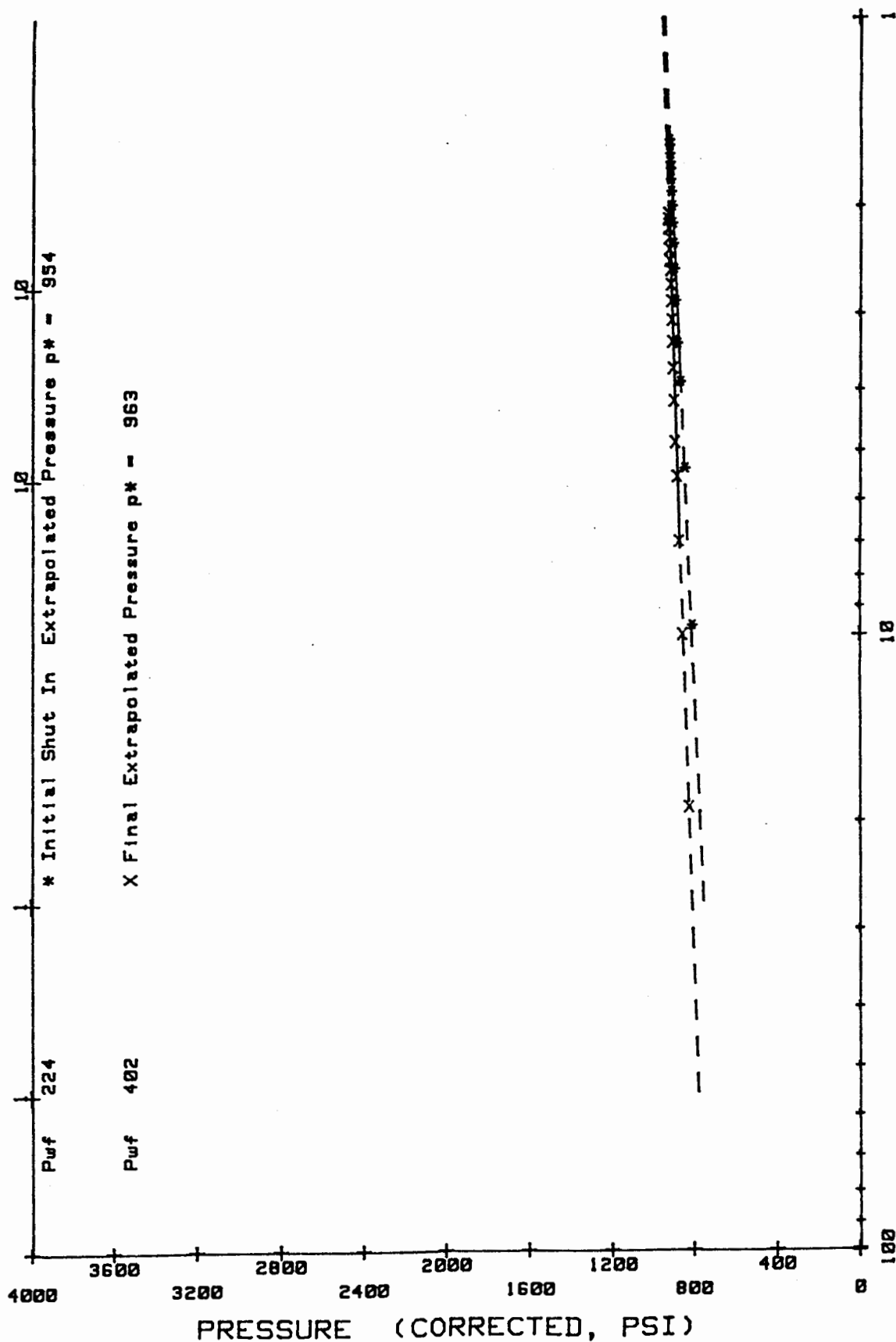
	Viscosity (cp)	Compressibility (psi ⁻¹)	Pore Space Saturation
Oil			
Gas			
Water			



LOCATION : 15-7S-22W

DATE : 2-20-85

GAUGE # : 906



SUPERIOR TESTERS ENTERPRISES, INC.

HORNER ANALYSIS

COMPANY : ENERGY THREE INC.
 WELL NAME : NICHOL #1
 LOCATION : 15-7S-22W
 STATE & COUNTY : KANSAS, GRAHAM
 DATE OF TEST : 2-20-85
 TEST INT. KB : 3540 to 3561
 TOTAL INTERVAL (ft) K.B. : 21.00
 ELEV.(GR) : 2296 (KB) :
 FIELD :

ELEMENT SERIAL NO. : 906
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSID
Refer. depth : 35555.0 ft-kb			
-23:26 END FLOW	0.00	0.00	224.24
	3.00	9.67	809.87
	6.00	5.33	846.88
	9.00	3.89	869.38
	11.00	3.36	882.44
	14.00	2.86	893.32
	17.00	2.53	899.85
	20.00	2.30	904.21
	23.00	2.13	908.56
	26.00	2.00	912.19
	29.00	1.90	915.82
	32.00	1.81	918.72
	35.00	1.74	920.17
	37.00	1.70	921.63
	40.00	1.65	923.30
	43.00	1.60	925.25
	45.00	1.58	925.98
-00:11 1ST SHUT-IN	0.00	0.00	925.98

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 : 2-20-85
DST. NO : 3

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W
SHUT-IN PERIOD : 1

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	954.00
Slope of Build-up Curve (psi/log cycle):	138.47
Effective Producing Time (min):	26.00

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES, INC.

HORNER ANALYSIS

COMPANY : ENERGY THREE INC.
 WELL NAME : NICHOL #1
 LOCATION : 15-7S-22W
 STATE & COUNTY : KANSAS, GRAHAM
 DATE OF TEST : 2-20-85
 TEST INT. KB : 3540 to 3561
 TOTAL INTERVAL (ft) K.B. : 21.00
 ELEV.(GR) : 2296 (KB) :
 FIELD :

ELEMENT SERIAL NO. : 906
 LATEST CALIBRATION :

COMMENTS	TIME min	(T+dt)/dt min	----- PRESSURES CORR PSIG -----
Refer. depth : 35555.0 ft-kb			
-00:39 END FLOW	0.00	0.00	402.03
	3.00	19.00	822.93
	6.00	10.00	856.31
	9.00	7.00	873.00
	12.00	5.50	884.62
	14.00	4.86	894.05
	17.00	4.18	899.85
	20.00	3.70	904.93
	23.00	3.35	908.56
	26.00	3.08	911.47
	29.00	2.86	914.37
	32.00	2.69	916.55
	35.00	2.54	919.45
	37.00	2.46	922.35
	40.00	2.35	925.25
	43.00	2.26	927.43
	46.00	2.17	928.88
	49.00	2.10	930.33
	51.00	2.06	930.33
-01:30 2ND SHUT-IN	0.00	0.00	930.33

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 2-20-85
DST. NO : 3

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W
SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

EXTRAPOLATED RESERVOIR PRESSURE (psi):	963.00
Slope of Build-up Curve (psi/log cycle):	105.80
Effective Producing Time (min):	54.00

INTERPRETATION BY : SUPERIOR TESTERS INC.

SUPERIOR TESTERS ENTERPRISES, INC.

DATA SUMMARY

COMPANY : ENERGY THREE INC.
DATE OF TEST : 2-20-85
DST. NO : 3

WELL NAME : NICHOL #1
LOCATION : 15-7S-22W
SHUT-IN PERIOD : 2

INTERPRETIVE DATA (OIL)

TRANSMISSIBILITY

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

EFFECTIVE PERMEABILITY

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

TOTAL MOBILITY (md/cp):	0.00
-------------------------	------

TOTAL COMPRESSIBILITY (psi ⁻¹):	0.00E+00
---	----------

ESTIMATED DAMAGE RATIO:	1.21
-------------------------	------

CALCULATED DAMAGE RATIO:	0.00
--------------------------	------

Reservoir Temperature (F):	106.00
Formation Porosity :	0.00
Formation Thickness (ft):	10.00
Wellbore Radius (in):	3.94
Reservoir Compressibility (psi ⁻¹):	0.00E+00
Calculated Skin Factor :	0.00

PRODUCTION WITH DAMAGE REMOVED (bbl/D):	0.00
---	------

PRODUCTIVITY INDEX (bbl/psi):	0.00
-------------------------------	------

Final Flow Pressure (psi):	402.00
----------------------------	--------

APPROXIMATE RADIUS OF INVESTIGATION (ft):	0.00
---	------

Total Flowing Time (min):	54.00
---------------------------	-------

EXTRAPOLATED RESERVOIR PRESSURE (psi):	963.00
--	--------

Slope of Build-up Curve (psi/log cycle):	105.80
Effective Producing Time (min):	54.00

SUPERIOR TESTERS
RR #1, Box 295B, Great Bend, Kansas

Date 2, 20, 85 Location NE, SE, SW, 15, 7s, 22w Elevation 2296 ^{6R} County Graham
Company Energy Three Inc. Number of Copies 4
Address P.O. Box 1505, Great Bend Ks 67530
Charts Mailed to P.O. Box 1505, Great Bend Ks 67530
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Lease Nichol Well No. 1 Formation Tested Lensing Test No. 3
Depth 3890 Tested from 3540 to 3561 Packer Size 6 3/4 Anchor Length 21'
Top Packer Depth 3540 ft. Bottom Packer Depth 3561 ft. Dual Packers 92
Tool Joint Size 4 1/2 FH Tool Size 5 1/2 OD Hole Size 7 3/8" Did Packer Hold yes
Drilling Contractor Big Three Drilling Rig #1
Length Drill Pipe 3525 I.D. Drill Pipe 380 Tool Joint Size 4 1/2 XH
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

Tool Open I.F.P. from 11:00 P m to 11:30 m 30 min
Tool Closed I.C.I.P. from 11:30 P m to 12:15 A m 45 min
Tool Open F.F.P. from 12:15 A m to 12:45 A m 30 min
Tool Closed F.C.I.P. from 12:45 A m to 1:30 A m 45 min

from [B] <u>86</u>	P.S.I. to [C] <u>231</u>	P.S.I.
[D] <u>936</u>		P.S.I.
from [E] <u>282</u>	P.S.I. to [F] <u>405</u>	P.S.I.
[G] <u>936</u>		P.S.I.

Initial Hydrostatic Pressure [A] 1876 P.S.I. Final Hydrostatic Pressure [H] 1840 P.S.I. Maximum Temp 106 °F
Initial Blow Strong Blow off bottom of hole in 6 min
Final Blow Strong Blow off bottom of hole in 8 min
Gas to Surface 92 Min. Oil to Surface 92 Min. Mut Weight 9.7 Viscosity 48
Gas Guaged 92

Recovery 780 feet of salt water

Remarks _____

Extra Equipment-Jars 92 Safety Joint 92 Extra Packer 92 Straddle 300 Hook Wall 92
Top Recorder No. 906 Clock no. 27442 Depth 3555 Clr. Sub 35 Sampler 92
Bottom Recorder No. 13189 Clock No. 23911 Depth 3887 Chlorides - ppts 600 D.S.T. 6800
Price of Job \$835.00

Tool Operator Ten Buchholz
Approved By _____

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Ticket N^o 9191