

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name OXY/KANE #2-36 Test No. 1 Date 2/21/95
Company MURFIN DRILLING CO/CANYON ENERGY INC Zone LANS/KC 'B'
Address 250 N. WATER, #300, WICHITA, KS 67202 Elevation 2657
Co. Rep./Geo. CHURCK SCHMALTZ Cont. MURFIN #20 Est. Ft. of Pay 5
Location: Sec. 36 Twp. 32S Rge. 33W Co. SEWARD State KS

Interval Tested <u>4169-4194</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>25</u>	Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth <u>4164</u>	Drill Collar - 2.25 Ft. Run <u>240</u>
Bottom Packer Depth <u>4169</u>	Mud Wt. <u>9</u> lb/Gal.
Total Depth <u>4194</u>	Viscosity <u>42</u> Filtrate <u>8</u>

Tool Open @ 9:15PM Initial Blow FAIR BLOW BUILT TO BOTTOM IN 12 MINUTES. INITIAL SHUT IN: BLED OFF BLOW - NO RETURN.
Final Blow SURFACE BLOW SLOWLY BUILT TO BOTTOM IN 50 MINUTES.
FINAL SHUT IN: BLED OFF BLOW - NO RETURN.

Recovery - Total Feet 400 Flush Tool? NO

Rec. 120 Feet of GAS IN PIPE
TRACE Feet of FREE OIL AT TOP
Rec. 400 Feet of WATER. 100% WATER.
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 127 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 2.4 @ 75 °F Chlorides 28000 ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2595.71 PSI AK1 Recorder No. 5495 Range 4200

(B) First Initial Flow Pressure 306.33 PSI @ (depth) 4184 w / Clock No. 30417

(C) First Final Flow Pressure 202.51 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 1750.22 PSI @ (depth) 4189 w / Clock No. 25813

(E) Second Initial Flow Pressure 334.70 PSI AK1 Recorder No. _____ Range _____

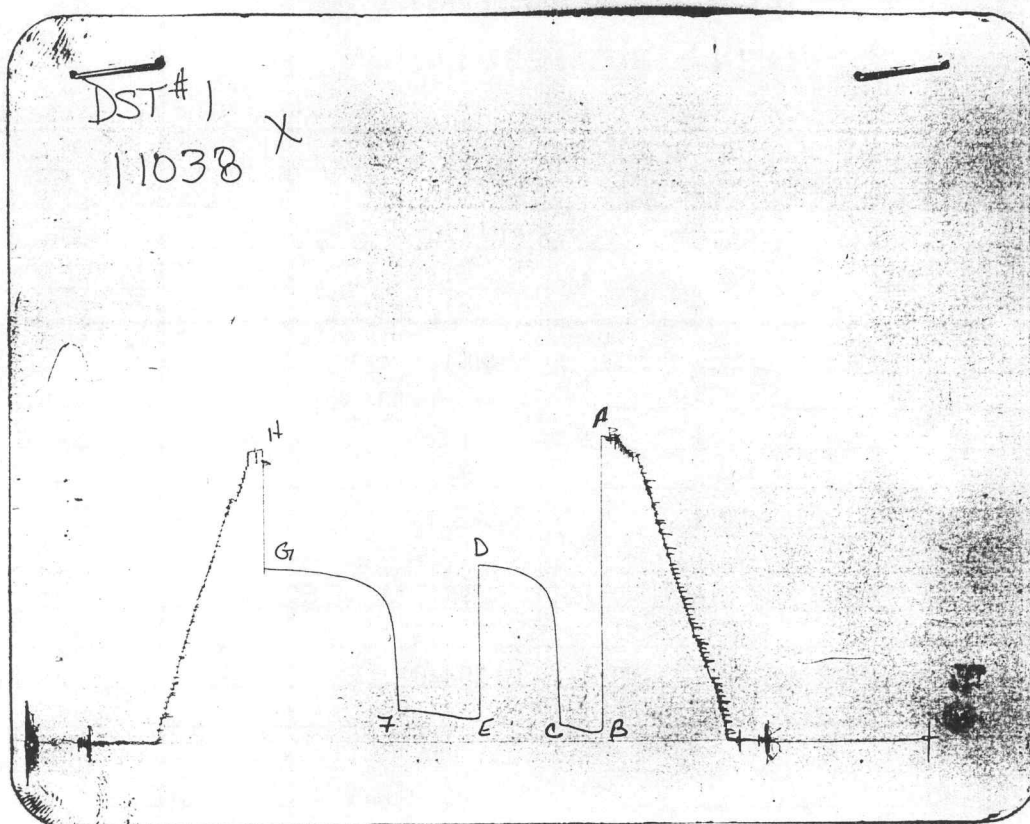
(F) Second Final Flow Pressure 193.20 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1748.38 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2507.08 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative ROD STEINBRINK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

READINGS ARE FROM ALPINE ELECTRONIC RECORDER

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD		2595.71
(B) FIRST INITIAL FLOW PRESSURE		306.33
(C) FIRST FINAL FLOW PRESSURE		202.51
(D) INITIAL CLOSED-IN PRESSURE		1750.22
(E) SECOND INITIAL FLOW PRESSURE		334.70
(F) SECOND FINAL FLOW PRESSURE		193.20
(G) FINAL CLOSED-IN PRESSURE		1748.38
(H) FINAL HYDROSTATIC MUD		2507.08

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name OXY-KANE 2-36 Test No. 2 Date 2/25/95
Company MURFIN DRILLING CO / CANYON ENERGY INC Zone MORROW-CHEST
Address 250 N WATER #300 WICHITA KS 67202 Elevation 2657
Co. Rep./Geo. CHUCK SCHMALTZ Cont. DISCOVERY DRILLING Est. Ft. of Pay 7
Location: Sec. 36 Twp. 32S Rge. 33W Co. SEWARD State KS

Interval Tested <u>5287-5475</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>188</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u> </u>
Top Packer Depth <u>5282</u>	Drill Collar - 2.25 Ft. Run <u>150</u>
Bottom Packer Depth <u>5287</u>	Mud Wt. <u>9.1</u> lb/Gal.
Total Depth <u>5475</u>	Viscosity <u>46</u> Filtrate <u>7.8</u>

Tool Open @ 11:05PM Initial Blow STRONG BLOW - BOTTOM OF BUCKET IN 1 MINUTE

GAS TO SURFACE IN 5 MINUTES - GAUGED @ 995 MCF

Final Blow STRONG BLOW - BOTTOM OF BUCKET AS TOOL OPENED

GAUGED @ 953 MCF

Recovery - Total Feet 270 Flush Tool? NO

Rec. <u>270</u>	Feet of <u>SLIGHTLY GAS CUT DRILLING MUD</u>
Rec. <u> </u>	Feet of <u> </u>
Rec. <u> </u>	Feet of <u> </u>
Rec. <u> </u>	Feet of <u> </u>
Rec. <u> </u>	Feet of <u> </u>

BHT 128 °F Gravity °API @ °F Corrected Gravity °API
RW @ °F Chlorides ppm Recovery Chlorides 3000 ppm System

(A) Initial Hydrostatic Mud 2595.71 PSI AK1 Recorder No. ELECT Range

(B) First Initial Flow Pressure 306.33 PSI @ (depth) 5442 w / Clock No.

(C) First Final Flow Pressure 202.51 PSI AK1 Recorder No. 5495 Range 4200

(D) Initial Shut-in Pressure 1750.22 PSI @ (depth) 5467 w / Clock No. 25813

(E) Second Initial Flow Pressure 334.70 PSI AK1 Recorder No. 11038 Range 5075

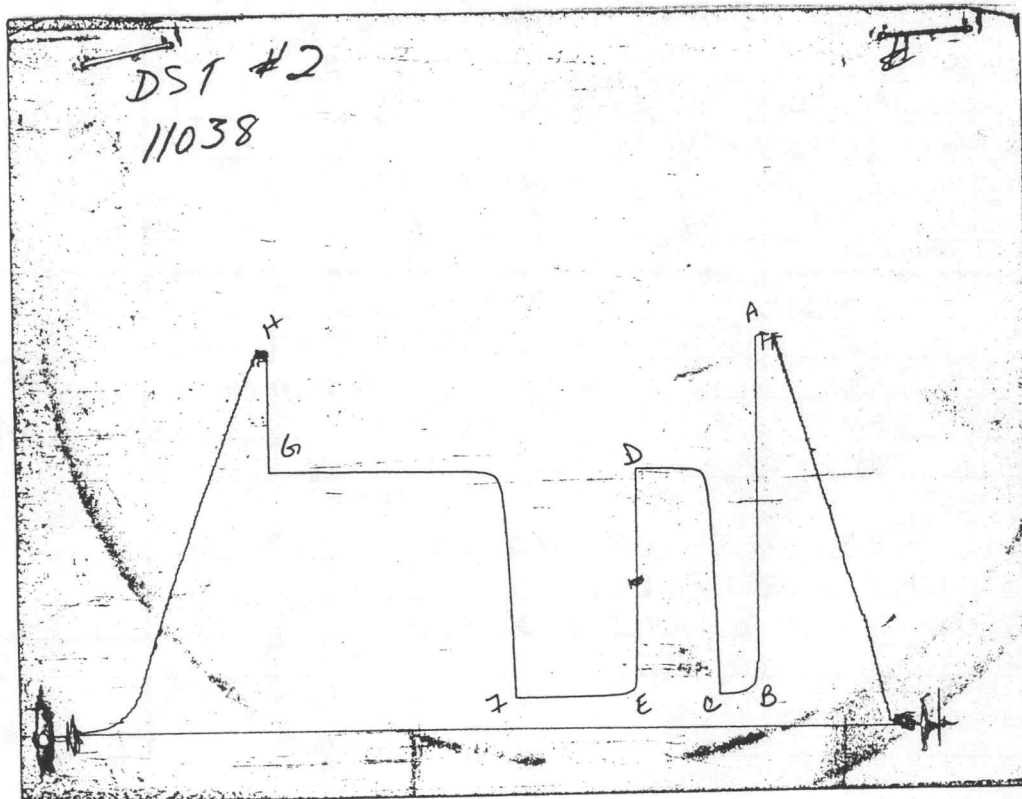
(F) Second Final Flow Pressure 193.28 PSI @ (depth) 5472 w / Clock No. 3942

(G) Final Shut-in Pressure 1748.38 PSI Initial Opening 30 Final Flow 90

(H) Final Hydrostatic Mud 2507.08 PSI Initial Shut-in 60 Final Shut-in 180

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2593	2595.71
(B) FIRST INITIAL FLOW PRESSURE	257	373.97
(C) FIRST FINAL FLOW PRESSURE	230	227.74
(D) INITIAL CLOSED-IN PRESSURE	1738	1783.86
(E) SECOND INITIAL FLOW PRESSURE	243	265.14
(F) SECOND FINAL FLOW PRESSURE	217	233.10
(G) FINAL CLOSED-IN PRESSURE	1725	1787.64
(H) FINAL HYDROSTATIC MUD	2554	2557.08

COMPUTER GAS EVALUATION BY TRILOBITE TESTING, L.L.C.

MURFIN DRILLING CO / CANYON ENERGY INC

OXY-KANE 2-36
36 32S 33W

DST # 2
SEWARD KS

ELEVATION: 2657 KB EST. PAY: 7 FT.
DATUM: -2786 ZONE TESTED: MORROW-CHE
TEST INTERVAL: 5287-5475 TIME INTERVALS: 30-60-90-180
RECORDER DEPTH: 5442 VISCOSITY: 0.0157 CP
BOTTOM HOLE TEMP: 128 HOLE SIZE: 7.875 IN
COMPRESSIBILITY: 0.9974 GAS GRAVITY: 0.6833

TEMPERATURE RANKINE: 588.00 &
TRANSMISSIBILITY: 66203.39 Kh/%
THEORITICAL FLOW CAPACITY: 1042.04 Kh
AVERAGE EFFECTIVE PERMEABILITY: 148.86 K(md.)
RADIUS OF INVESTIGATION: 133.65 FT.
DAMAGE RATIO: 20.91
ABSOLUTE OPEN FLOW(MAX) 957.47 MCFD
ABSOLUTE OPEN FLOW(MIN) 955.23 MCFD
THEORITICAL OPEN FLOW(MAX) 20019.34 MCFD
THEORITICAL OPEN FLOW(MIN) 19972.56 MCFD
POTENTIOMETRIC SURFACE 1112.47 (FT.)

INITIAL SHUT-IN VALUES:
SLOPE 52700.00
THEORETICAL STATIC PRESSURE 1752.31

FINAL SHUT-IN VALUES:
SLOPE 13820.00
THEORETICAL STATIC PRESSURE 1756.41

DRAWDOWN FACTOR: -0.23 (%)

INITIAL FLOW

DST # 2

RECORDER 11038

<>

<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
------------------	-----------------	-----------------

0	373.97	374.0
3	302.43	-71.5
6	275.80	-26.6
9	250.47	-25.3
12	247.80	-2.7
15	247.80	0.0
18	245.13	-2.7
21	235.77	-9.4
24	227.74	-8.0
27	227.74	0.0
30	227.74	0.0

FINAL FLOW

DST # 2

RECORDER 11038

<>		
TIME(MIN)	PRESSURE	PRESSURE
3	265.14	265.1
6	250.47	-14.7
9	237.11	-13.4
12	234.43	-2.7
15	234.43	0.0
18	233.10	3.8
21	233.10	0.0
24	233.10	4.8
27	233.10	0.0
30	233.10	0.0
33	233.10	0.0
36	233.10	0.0
39	233.10	0.0
42	233.10	0.0
45	233.10	0.0
48	233.10	0.0
51	233.10	0.0
54	233.10	0.0
57	233.10	0.0
60	233.10	0.0
63	233.10	0.0
66	233.10	0.0
69	233.10	0.0
72	233.10	0.0
75	233.10	0.0
78	233.10	0.0
81	233.10	0.0
84	233.10	0.0
87	233.10	0.0

INITIAL SHUT-IN

OXY-KANE 2-36

DST # 2

INITIAL FLOW TIME 30

SLOPE

31791.7

PSI/CYCLE

P*

1792.75

PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Horn T</u>	<u><> PRESSURE</u>	<u>Horn T</u>
	3	1056.15	1.041	1056.1	11
	6	1675.26	0.778	619.1	6
	9	1740.96	0.637	65.7	4
	12	1759.89	0.544	18.9	4
	15	1768.72	0.477	8.8	3
X	18	1771.24	0.426	2.5	3
	21	1777.55	0.385	6.3	2
	24	1777.55	0.352	0.0	2
	27	1777.55	0.325	0.0	2
	30	1777.55	0.301	0.0	2
	33	1777.55	0.281	0.0	2
	36	1778.81	0.263	1.3	2
	39	1781.34	0.248	2.5	2
	42	1783.86	0.234	2.5	2
	45	1783.86	0.222	0.0	2
	48	1783.86	0.211	0.0	2
	51	1783.86	0.201	0.0	2
	54	1783.86	0.192	0.0	2
	57	1783.86	0.184	0.0	2
x	60	1783.86	0.176	0.0	2

FINAL SHUT-IN

OXY-KANE 2-36

DST # 2

TOTAL FLOW TI 120

SLOPE

32931.5 PSI/CYCLE

P*

1796.83 PSI

	<u>TIME(MI)</u>	<u>Pws (psi)</u>	<u>Log Horn T</u>	<u><> PRESSUR</u>	<u>Horn T</u>
	3	904.13	1.613	904.1	41
	6	1594.73	1.322	690.6	21
	9	1703.07	1.156	108.3	14
	12	1730.86	1.041	27.8	11
	15	1752.32	0.954	21.5	9
	18	1762.41	0.885	10.1	8
	21	1767.46	0.827	5.0	7
	24	1768.72	0.778	1.3	6
	27	1771.24	0.736	2.5	5
	30	1773.77	0.699	2.5	5
	33	1777.55	0.666	3.8	5
	36	1777.55	0.637	0.0	4
	39	1777.55	0.610	0.0	4
	42	1777.55	0.586	0.0	4
	45	1777.55	0.564	0.0	4
	48	1777.55	0.544	0.0	4
	51	1777.55	0.525	0.0	3
	54	1777.55	0.508	0.0	3
	57	1777.55	0.492	0.0	3
	60	1777.55	0.477	0.0	3
	63	1777.55	0.463	0.0	3
	66	1777.55	0.450	0.0	3
	69	1777.55	0.438	0.0	3
	72	1777.55	0.426	0.0	3
	75	1780.07	0.415	2.5	3
X	78	1780.07	0.405	0.0	3
	81	1780.07	0.395	0.0	2
	84	1780.07	0.385	0.0	2
	87	1780.07	0.376	0.0	2
	90	1780.07	0.368	0.0	2
	93	1780.07	0.360	0.0	2
	96	1780.07	0.352	0.0	2
	99	1780.07	0.345	0.0	2
	102	1780.07	0.338	0.0	2
	105	1780.07	0.331	0.0	2
	108	1780.07	0.325	0.0	2
	111	1780.07	0.318	0.0	2
	114	1780.07	0.312	0.0	2
	117	1780.07	0.307	0.0	2
	120	1780.07	0.301	0.0	2
	123	1780.07	0.296	0.0	2
	126	1780.07	0.291	0.0	2

	129	1785.12	0.286	5.0	2
	132	1785.12	0.281	0.0	2
	135	1785.12	0.276	0.0	2
	138	1785.12	0.272	0.0	2
	141	1785.12	0.267	0.0	2
	144	1785.12	0.263	0.0	2
	147	1785.12	0.259	0.0	2
	150	1785.12	0.255	0.0	2
	153	1785.12	0.251	0.0	2
	156	1785.12	0.248	0.0	2
	159	1785.12	0.244	0.0	2
	162	1785.12	0.241	0.0	2
	165	1785.12	0.237	0.0	2
	168	1787.64	0.234	2.5	2
	171	1787.64	0.231	0.0	2
	174	1787.64	0.228	0.0	2
	177	1787.64	0.225	0.0	2
x	180	1787.64	0.222	0.0	2

TEST HISTORY

Murfin Drilg. Co. / Canyon Energy, Inc.

OXY/KANE #2-36 PST #2
 A1 02 2898.71

Flag Points

4MIN. > PK PERG >

OXY/KAME	#Z-36	DST	#Z
91	0.08	2595.71	

t<Min.> P<Psig>

OXY/KAME	#Z-36	DST	#Z
91	0.08	2595.71	

BI 0.00 306.33

C: 27.00 202.51

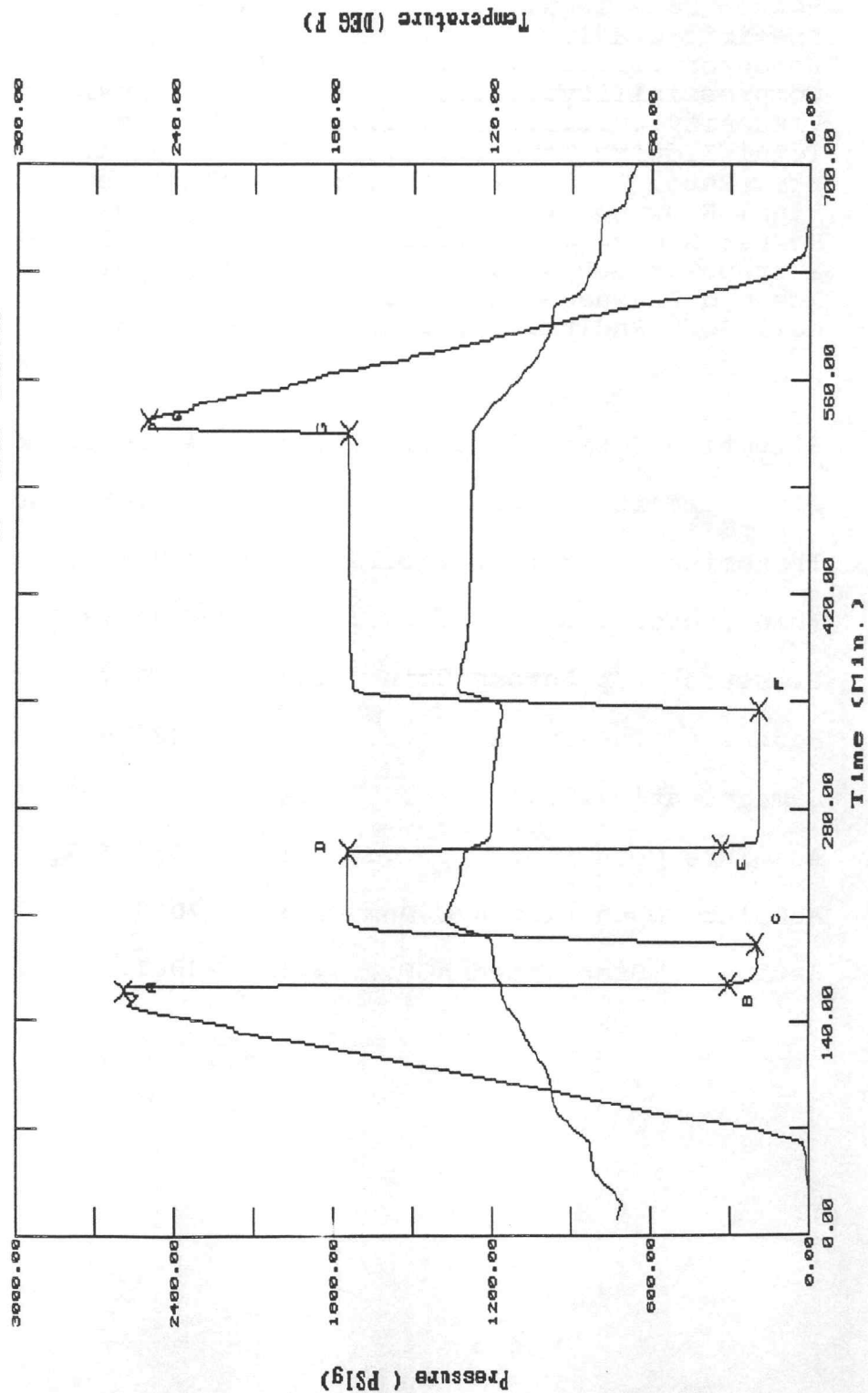
D:	00.00	1750.22
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E: 0.00 334.70

F: 98.00 193.20

G: 180.00 1748.38

Q: 0.00 2507.08



Operator.....: Murfin Drilling/Canyon Energy
Well Name.....: OXY-KANE 2-36
DST Number.....: 2

Location.: 36-32s-33w
Test Type: Conventional
Formation: Morrow

Recorder No....: 2342
Recorder Depth: 5442
Test Interval.: 5287-5475

RESERVOIR CALCULATIONS: Gas calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

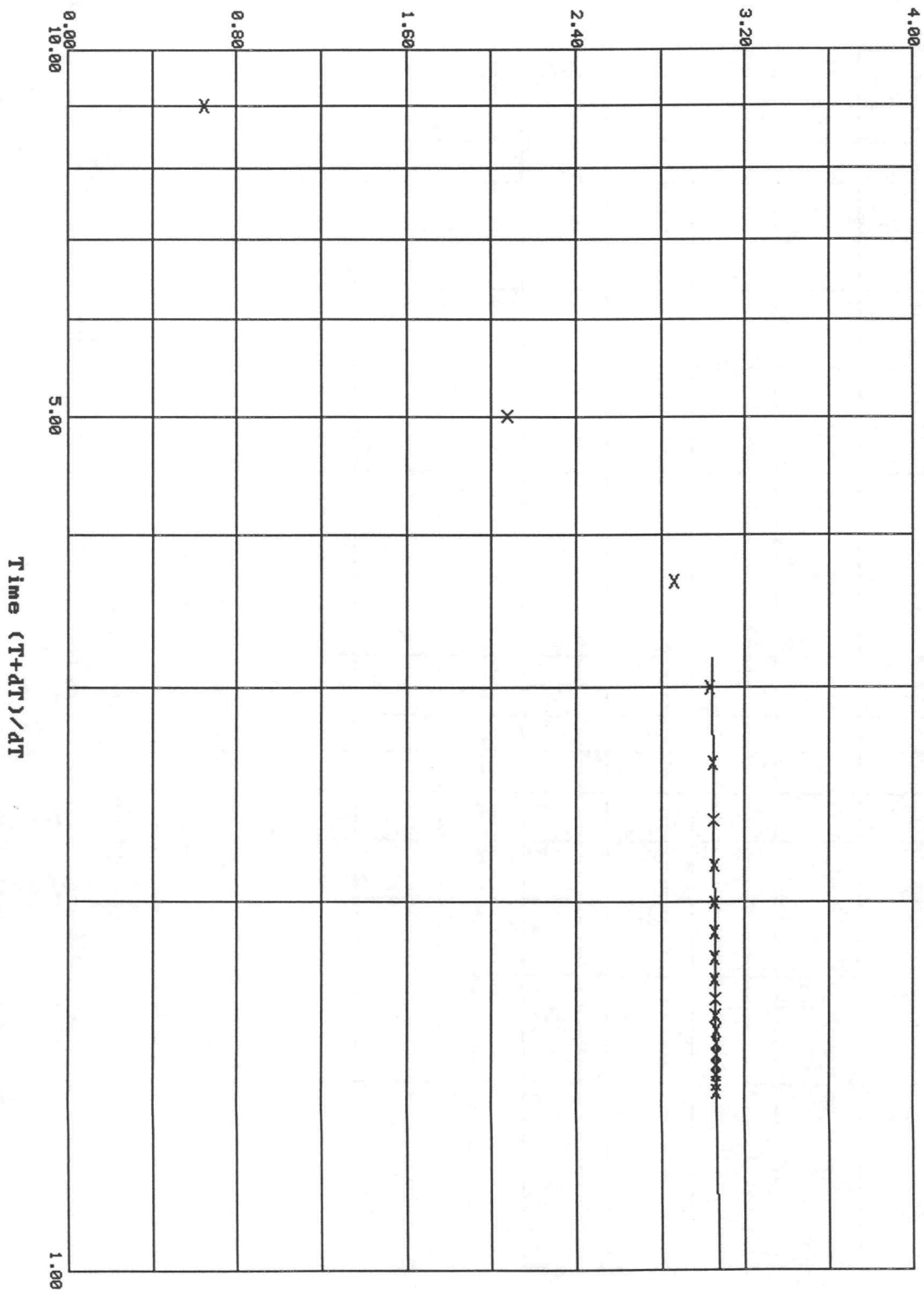
Net Pay.....	15.00 ft
Porosity.....	15.00 %
Bottom Hole Temp.....	128.00 F
Specific Gravity.....	0.683
Z factor.....	%7/3f %s
Compressibility.....	0.000627 /psi
Viscosity.....	0.0157 cp
Total Flowing Time.....	120.00 min.
Flow Rate.....	953.00 bbls/d
Final Flowing Pressure.....	193.00 psi
Horner Slope.....	0.0921 *10 ⁶ psi ² /cycle
Extrapolated Pressure.....	1752.79 psi
Assumed Drainage Radius.....	1350.00 ft
Well Bore Radius.....	3.94 in

RESULTS:

Effective Permeability.....	10.390621 md
Flow Capacity.....	155.8593 md.ft
Transmissibility.....	9927.3447 md.ft/cp
Skin Factor.....	34.7875
Pressure Drop Across Skin.....	1486.7209 psi
Radius of Investigation.....	108.7939 ft
Damage Ratio.....	7.3100
Absolute Open Flow.....	964.5025 bbls/d
Absolute Open Flow W/O Damage..	7050.5449 bbls/d
Estimated Stabilized AOF.....	3061.9152 bbls/d

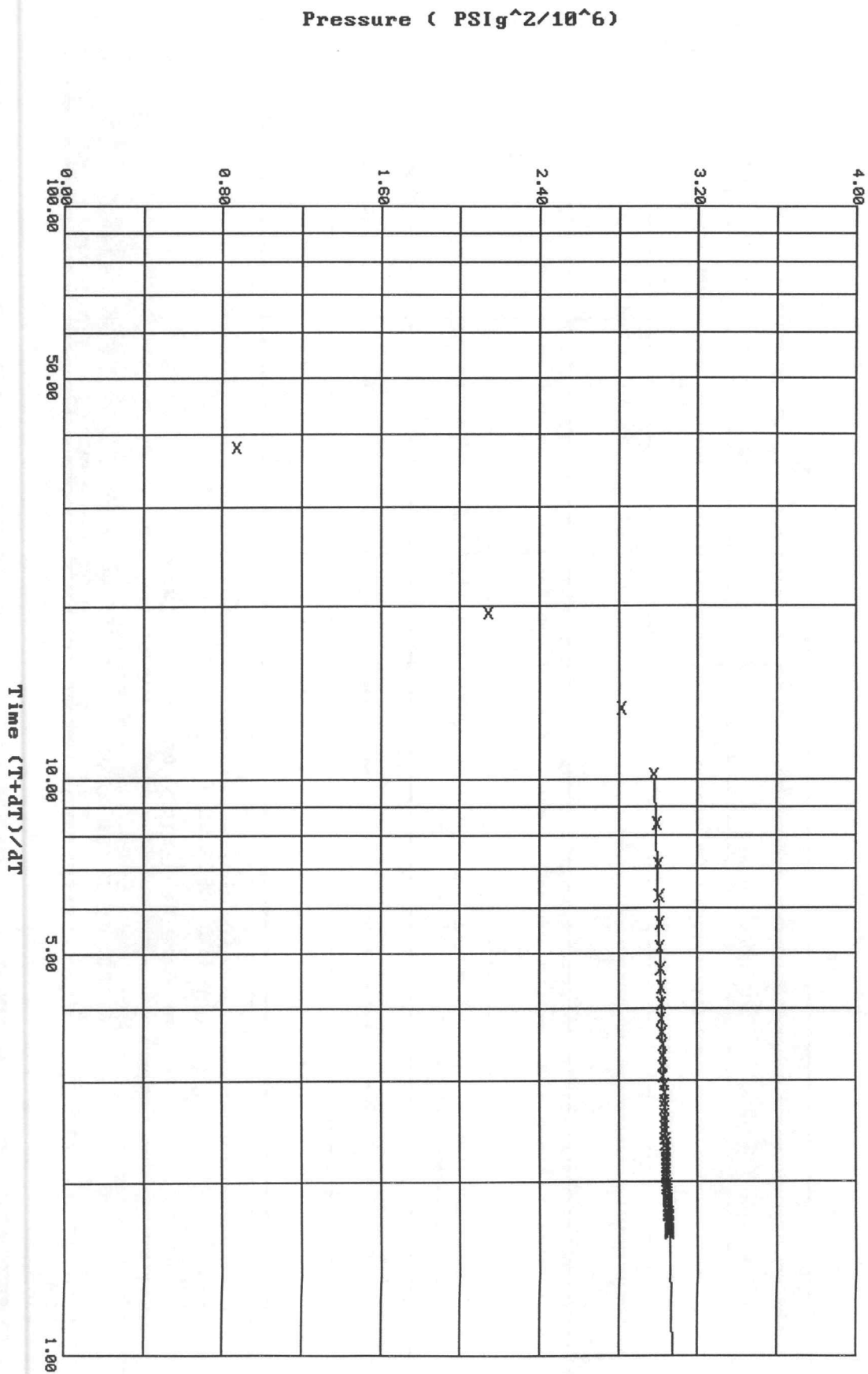
Murfin Drig. Co. / Canyon Energy, Inc. OXY/KANE #2-36 DST #2

Ext. Pressure: 1752.5397 PSig

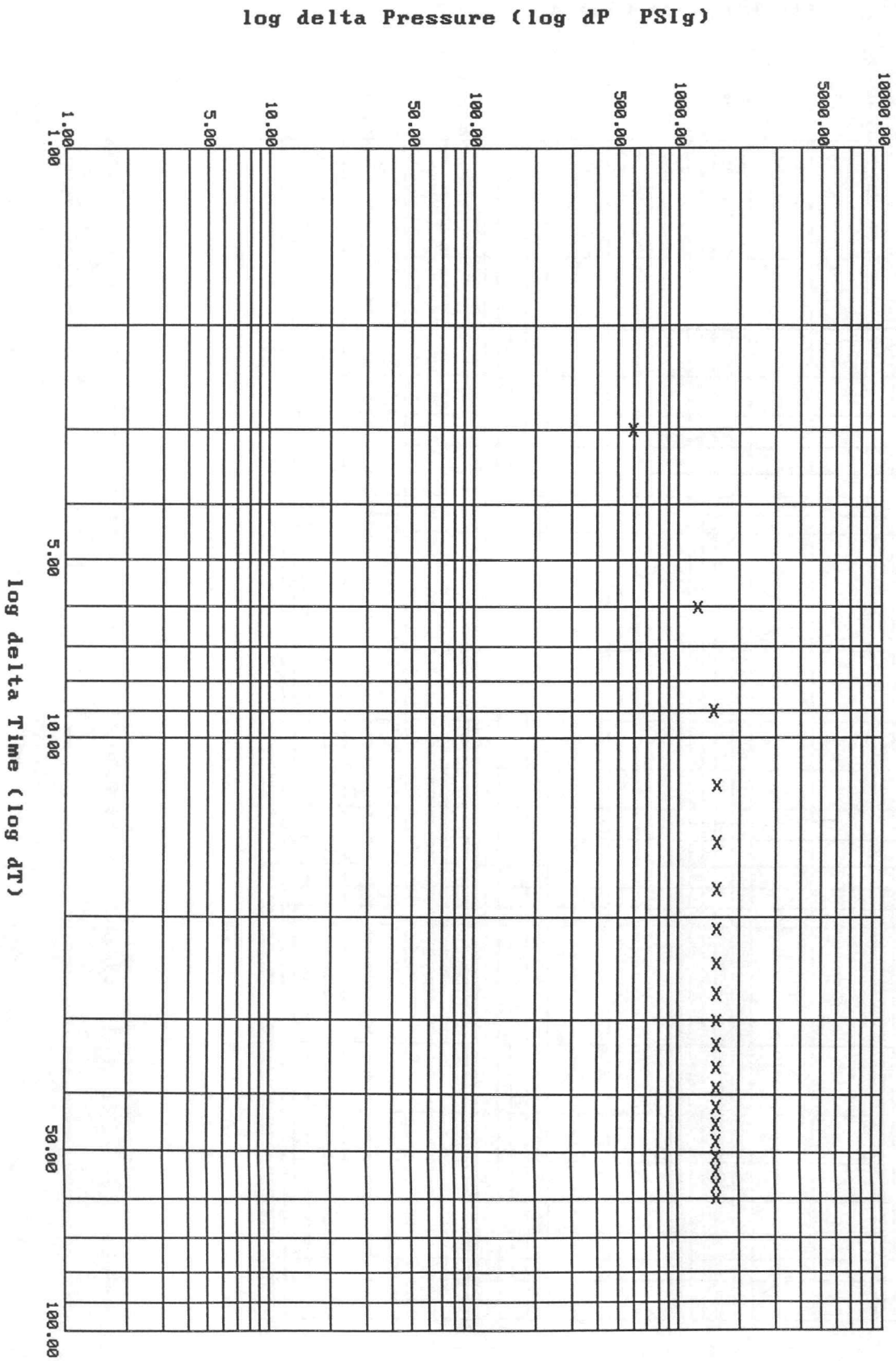


P² Horner Plot: shut-in #2 Murfin Drilg. Co./ Canyon Energy, Inc. OXY/KANE #2-36 DST #2

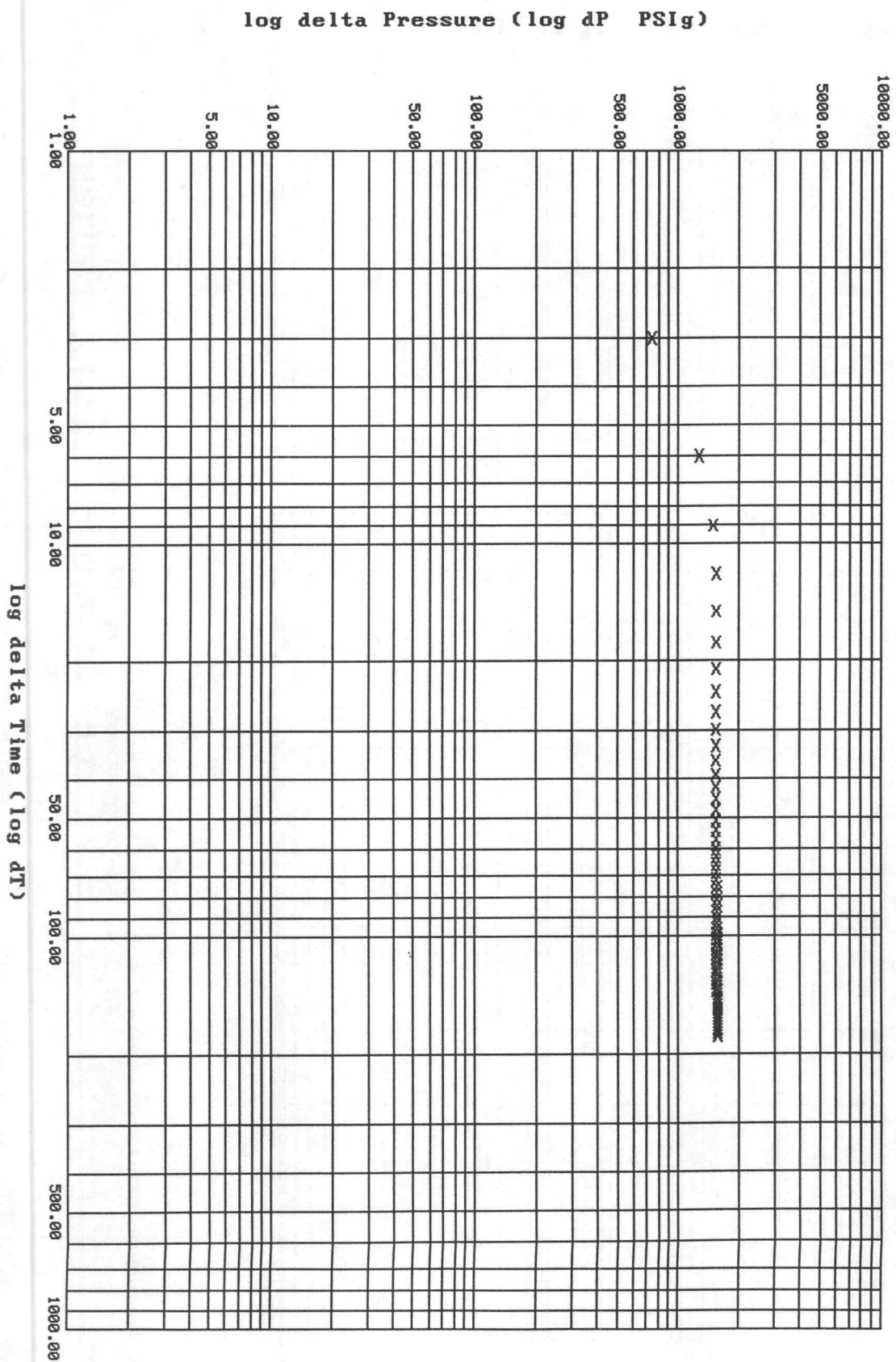
Slope: 0.0921 PSig²/10⁶/cycle
 Ext. Pressure: 1752.7876 PSig



Ramey Plot: shut-in #1 Murfin Drilg. Co./ Canyon Energy, Inc. OXY/KANE #2-36 DST #2



Ramey Plot: shut-in #2
Murfin Drig. Co./ Canyon Energy, Inc. OXY/KANE #2-36 DST #2



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg. Co./ Canyon Energy, Inc. OXY/KANE #2-36 DST #2

DATE: 02/25/95 TIME: 20:24:12

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6		
***** Initial Hydro.	159.00		2595.7	0.0	116.78		
***** Start Flow 1	0.00		306.3	0.0	116.96		
	3.00		230.1	-76.2	118.04		
	6.00		214.6	-91.7	118.58		
	9.00		205.3	-101.0	118.94		
	12.00		200.2	-106.1	119.30		
	15.00		201.8	-104.6	119.48		
	18.00		199.7	-106.7	119.66		
	21.00		200.4	-105.9	119.84		
	24.00		201.4	-104.9	119.84		
***** End Flow 1	27.00		202.5	-103.8	120.02		
***** Start Shutin 1	0.00		202.5	0.0	120.02	0.0000	0.041
	3.00		803.3	600.8	120.56	10.0000	0.645
	6.00		1440.6	1238.1	125.96	5.5000	2.075
	9.00		1692.5	1490.0	131.90	4.0000	2.864
	12.00		1741.2	1538.6	135.86	3.2500	3.032
	15.00		1745.4	1542.9	137.30	2.8000	3.047
	18.00		1746.7	1544.2	137.48	2.5000	3.051
	21.00		1747.5	1545.0	136.94	2.2857	3.054
	24.00		1747.8	1545.3	136.22	2.1250	3.055
	27.00		1748.2	1545.7	135.50	2.0000	3.056
	30.00		1748.4	1545.9	134.96	1.9000	3.057
	33.00		1748.7	1546.2	134.24	1.8182	3.058
	36.00		1748.9	1546.4	133.70	1.7500	3.059
	39.00		1749.1	1546.6	132.98	1.6923	3.059
	42.00		1749.3	1546.8	132.62	1.6429	3.060
	45.00		1749.5	1547.0	132.08	1.6000	3.061
	48.00		1749.6	1547.0	131.72	1.5625	3.061
	51.00		1749.8	1547.3	131.36	1.5294	3.062
	54.00		1750.0	1547.5	131.00	1.5000	3.062
	57.00		1750.1	1547.6	130.82	1.4737	3.063
***** End Shut-in 1	60.00		1750.2	1547.7	130.46	1.4500	3.063
***** Start Flow 2	0.00		334.7	0.0	128.66		
	3.00		206.6	-128.1	123.26		
	6.00		199.1	-135.6	121.10		
	9.00		196.6	-138.1	120.56		
	12.00		195.5	-139.2	120.56		
	15.00		195.0	-139.7	120.56		
	18.00		195.0	-139.7	120.56		
	21.00		195.3	-139.4	120.56		
	24.00		194.4	-140.3	120.56		
	27.00		194.1	-140.6	120.56		
	30.00		193.9	-140.7	120.56		
	33.00		193.8	-140.9	120.38		
	36.00		194.5	-140.2	120.38		
	39.00		193.3	-141.4	120.20		
	42.00		194.6	-140.1	120.02		
	45.00		194.2	-140.5	120.02		
	48.00		195.0	-139.7	119.84		
	51.00		194.0	-140.7	119.48		
	54.00		195.0	-139.7	119.30		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg. Co./ Canyon Energy, Inc. OXY/KANE #2-36 DST #2

DATE: 02/25/95 TIME: 20:24:12

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶		
			57.00	194.0	-140.7	119.12	
			60.00	194.2	-140.5	118.94	
			63.00	194.6	-140.1	118.76	
			66.00	193.4	-141.3	118.58	
			69.00	193.7	-141.0	118.22	
			72.00	193.7	-141.0	118.04	
			75.00	193.4	-141.3	117.86	
			78.00	193.8	-140.9	117.68	
			81.00	193.2	-141.5	117.32	
			84.00	194.6	-140.1	117.14	
			87.00	194.4	-140.3	116.96	
***** End Flow 2			90.00	193.3	-141.4	116.78	
***** Start Shutin 2			0.00	193.3	0.0	116.78	0.0000 0.037
			3.00	933.8	740.5	117.86	40.0000 0.872
			6.00	1463.5	1270.2	123.44	20.5000 2.142
			9.00	1678.0	1484.7	129.56	14.0000 2.816
			12.00	1724.8	1531.5	132.80	10.7500 2.975
			15.00	1730.2	1537.0	133.34	8.8000 2.994
			18.00	1732.1	1538.8	132.98	7.5000 3.000
			21.00	1733.4	1540.1	132.62	6.5714 3.005
			24.00	1734.2	1540.9	132.08	5.8750 3.007
			27.00	1734.9	1541.7	131.72	5.3333 3.010
			30.00	1735.7	1542.4	131.36	4.9000 3.013
			33.00	1736.3	1543.0	131.18	4.5455 3.015
			36.00	1737.1	1543.9	130.82	4.2500 3.018
			39.00	1737.5	1544.3	130.64	4.0000 3.019
			42.00	1738.0	1544.7	130.28	3.7857 3.021
			45.00	1738.5	1545.2	130.10	3.6000 3.022
			48.00	1739.0	1545.7	129.92	3.4375 3.024
			51.00	1739.4	1546.1	129.92	3.2941 3.025
			54.00	1739.8	1546.5	129.74	3.1667 3.027
			57.00	1740.3	1547.0	129.56	3.0526 3.029
			60.00	1740.7	1547.4	129.56	2.9500 3.030
			63.00	1741.1	1547.8	129.38	2.8571 3.031
			66.00	1741.5	1548.2	129.38	2.7727 3.033
			69.00	1741.6	1548.3	129.38	2.6957 3.033
			72.00	1741.7	1548.4	129.20	2.6250 3.033
			75.00	1741.7	1548.5	129.20	2.5600 3.034
			78.00	1741.9	1548.6	129.20	2.5000 3.034
			81.00	1742.2	1548.9	129.20	2.4444 3.035
			84.00	1742.2	1549.0	129.02	2.3929 3.035
			87.00	1742.5	1549.2	129.02	2.3448 3.036
			90.00	1742.7	1549.4	129.02	2.3000 3.037
			93.00	1743.0	1549.7	129.02	2.2581 3.038
			96.00	1743.2	1549.9	129.02	2.2188 3.039
			99.00	1743.3	1550.1	129.02	2.1818 3.039
			102.00	1743.6	1550.3	129.02	2.1471 3.040
			105.00	1743.8	1550.5	128.84	2.1143 3.041
			108.00	1744.0	1550.7	128.84	2.0833 3.042
			111.00	1744.2	1550.9	128.84	2.0541 3.042
			114.00	1744.4	1551.2	128.84	2.0263 3.043

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg. Co./ Canyon Energy, Inc. OXY/KANE #2-36 DST #2

DATE: 02/25/95 TIME: 20:24:12

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6	
		117.00	1744.7	1551.4	128.84	2.0000 3.044
		120.00	1744.9	1551.6	128.84	1.9750 3.045
		123.00	1745.1	1551.8	128.84	1.9512 3.045
		126.00	1745.3	1552.0	128.84	1.9286 3.046
		129.00	1745.4	1552.2	128.84	1.9070 3.047
		132.00	1745.6	1552.3	128.84	1.8864 3.047
		135.00	1745.9	1552.6	128.84	1.8667 3.048
		138.00	1746.0	1552.7	128.84	1.8478 3.049
		141.00	1746.3	1553.0	128.84	1.8298 3.049
		144.00	1746.4	1553.2	128.66	1.8125 3.050
		147.00	1746.7	1553.4	128.66	1.7959 3.051
		150.00	1746.9	1553.6	128.66	1.7800 3.052
		153.00	1747.1	1553.8	128.66	1.7647 3.052
		156.00	1747.3	1554.0	128.66	1.7500 3.053
		159.00	1747.5	1554.2	128.66	1.7358 3.054
		162.00	1747.7	1554.4	128.66	1.7222 3.054
		165.00	1748.0	1554.7	128.66	1.7091 3.055
		168.00	1748.0	1554.8	128.66	1.6964 3.056
		171.00	1748.2	1554.9	128.66	1.6842 3.056
		174.00	1748.4	1555.1	128.66	1.6724 3.057
		177.00	1748.5	1555.3	128.66	1.6610 3.057
***** End Shut-in 2		180.00	1748.4	1555.1	128.66	1.6500 3.057
***** Final Hydro.	534.00		2507.1	0.0	125.06	

FLUID SAMPLER DATA

Ticket No.: 7394

Date: 2/25/95

Company: MURFIN DRILLING CO / CANYON ENERGY INC

Lease: OXY-KANE 2-36

Test No.: 2

County: SEWARD

Sec.: 36

Twp.: 32S

Rng.: 33W

SAMPLER RECOVERY

Gas 14.2 CU FT. ML

Oil ML

Mud ML

Water ML

Other ML

Pressure 1700 PSI

TOTAL 4000 ML

PIT MUD ANALYSIS

Chlorides 3000

Resistivit ohms@ F

Viscosity 46

Mud Wt. 9.1

Filtrate 7.8

Other

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity corrected @60F

PIPE RECOVERY

TOP

Resistivit ohms@ F

Chlorides ppm.

MIDDLE

Resistivit ohms@ F

Chlorides ppm.

BOTTOM

Resistivit ohms@ F

Chlorides ppm.

GAS VOLUME REPORT

MURFIN DRILLING CO / CANYON ENERGY INC

OXY-KANE 2-36

DST # 2

<u>MIN</u>	<u>INS. WATER</u>	<u>ORIFICE</u>	<u>MCF/D</u>	<u>MIN</u>	<u>INS. WATER</u>	<u>ORIFICE</u>	<u>MCF/D</u>
	<u>PSIG</u>				<u>PSIG</u>		
10	6	1.5	953	5	6.5	1.5	995
20	6	1.5	953	10	6	1.5	953
30	6.5	1.5	995	15	6	1.5	953
				20	6	1.5	953
				25	6	1.5	953
				30	6	1.5	953
				35	6	1.5	953
				40	6	1.5	953
				45	6	1.5	953
				50	6	1.5	953
				55	6	1.5	953
				60	6	1.5	953
				65	6	1.5	953
				70	6	1.5	953
				75	6	1.5	953
				80	6	1.5	953
				85	6	1.5	953
				90	6	1.5	953

Remarks: GAS TO SURFACE IN 5 MINUTES - GAS WILL BURN

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name OXY-KANE 2-36 Test No. 3 Date 2/27/95
Company MURFIN DRILLING CO / CANYON ENERGY INC Zone CHESTER
Address 250 N WATER #300 WICHITA KS 67202 Elevation 2657
Co. Rep./Geo. CHUCK SCHMALTZ Cont. MURFIN DRILLING #20 Est. Ft. of Pay 8
Location: Sec. 36 Twp. 32S Rge. 33W Co. SEWARD State KS

Interval Tested <u>5440-5610</u>	Drill Pipe Size <u>4.5" XH</u>
Anchor Length <u>170</u>	Wt. Pipe I.D. - 2.7 Ft. Run <u>150</u>
Top Packer Depth <u>5435</u>	Drill Collar - 2.25 Ft. Run <u>8.8</u>
Bottom Packer Depth <u>5440</u>	Mud Wt. <u>60</u> lb/Gal.
Total Depth <u>5610</u>	Viscosity <u>8.4</u> Filtrate <u>8.4</u>

Tool Open @ 7:25AM Initial Blow FAIR BLOW - BUILT TO BOTTOM OF BUCKET IN 1 MINUTE.

INITIAL SHUT IN: BLED OFF BLOW - NO BLOW BACK.

Final Blow STRONG BLOW - BOTTOM OF BUCKET AS TOOL OPENED.

(GAUGED AT 5.32 MCF)

Recovery - Total Feet 90 Flush Tool? NO

Rec. <u>90</u>	Feet of <u>SLIGHTLY GAS CUT DRILLING MUD</u>
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____
Rec. _____	Feet of _____

BHT 128 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2617.82 PSI AK1 Recorder No. 2342 Range 6000

(B) First Initial Flow Pressure 52.45 PSI @ (depth) 5450 w / Clock No. ELECTR

(C) First Final Flow Pressure 45.40 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 933.27 PSI @ (depth) 5607 w / Clock No. 3942

(E) Second Initial Flow Pressure 46.91 PSI AK1 Recorder No. _____ Range _____

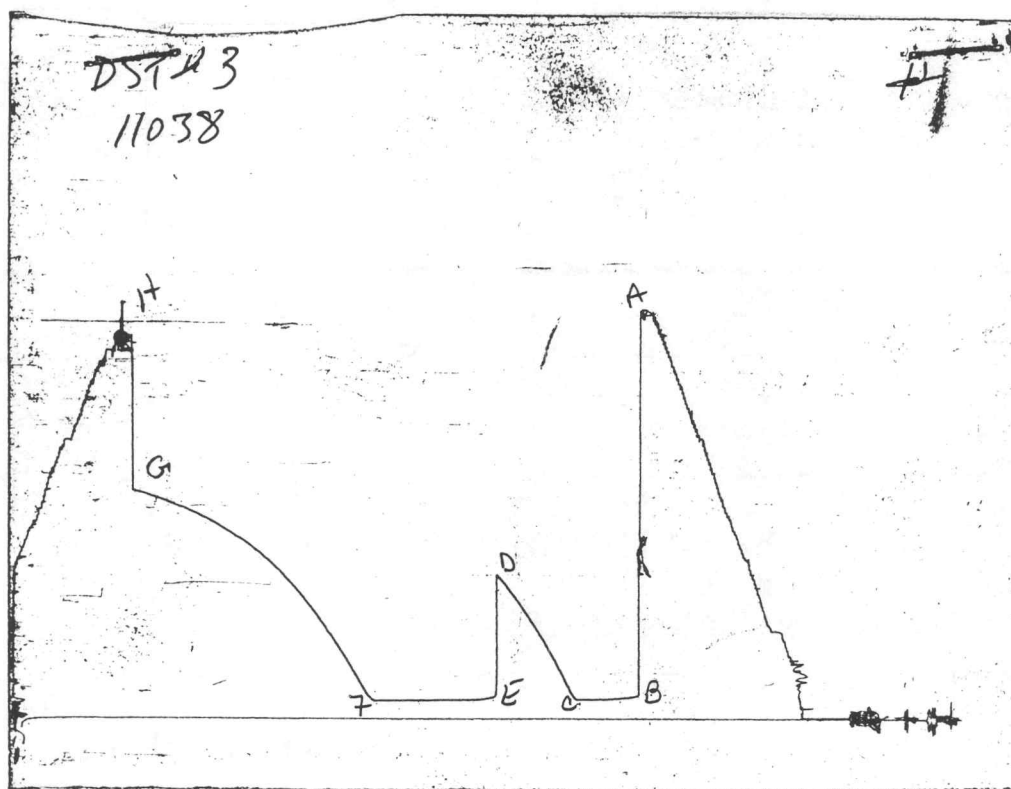
(F) Second Final Flow Pressure 41.12 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1479.72 PSI Initial Opening 45 Final Flow 90

(H) Final Hydrostatic Mud 2483.75 PSI Initial Shut-in 60 Final Shut-in 180

Our Representative TOM HORACEK

CHART PAGE



This is an actual photograph of an AK1 recorder chart

READINGS ARE FROM APLINE ELECTRONIC RECORDER

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD		2617.82
(B) FIRST INITIAL FLOW PRESSURE		52.45
(C) FIRST FINAL FLOW PRESSURE		45.40
(D) INITIAL CLOSED-IN PRESSURE		933.27
(E) SECOND INITIAL FLOW PRESSURE		46.91
(F) SECOND FINAL FLOW PRESSURE		41.12
(G) FINAL CLOSED-IN PRESSURE		1479.72
(H) FINAL HYDROSTATIC MUD		2483.75

FLUID SAMPLER DATA

Ticket No.: 7395

Date: 2/27/95

Company: MURFIN DRILLING CO / CANYON ENERGY INC

Lease: OXY-KANE 2-36

Test No.: 3

County: SEWARD

Sec.: 36

Twp.: 32S

Rng.: 33W

SAMPLER RECOVERY

Gas 9.2 CU FT. ML

Oil ML

Mud ML

Water ML

Other ML

Pressure 1200 PSI

TOTAL 4000 ML

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 4000

Resistivit ohms@ F

Viscosity 60

Mud Wt. 8.8

Filtrate 8.4

Other

PIPE RECOVERY

TOP

Resistivit ohms@ F

Chlorides ppm.

MIDDLE

Resistivit ohms@ F

Chlorides ppm.

BOTTOM

Resistivit ohms@ F

Chlorides ppm.

GAS VOLUME REPORT

MURFIN DRILLING CO / CANYON ENERGY INC

OXY-KANE 2-36

DST # 3

<u>MIN</u>	<u>INS. WATER</u> <u>PSIG</u>	<u>ORIFICE</u>	<u>MCF/D</u>	<u>MIN</u>	<u>INS. WATER</u> <u>PSIG</u>	<u>ORIFICE</u>	<u>MCF/D</u>
				10	28	0.25	8.89
				15	20	0.25	7.51
				20	16	0.25	6.72
				25	16	0.25	6.72
				30	14	0.25	6.33
				35	12	0.25	5.89
				40	12	0.25	5.86
				45	12	0.25	5.86
				50	12	0.25	5.86
				55	12	0.25	5.86
				60	11	0.25	5.6
				65	10	0.25	5.32
				70	10	0.25	5.32
				75	10	0.25	5.32
				80	10	0.25	5.32
				85	10	0.25	5.32
				90	10	0.25	5.32

GAS TO SURFACE IN 5 MINUTES. SECOND OPEN.

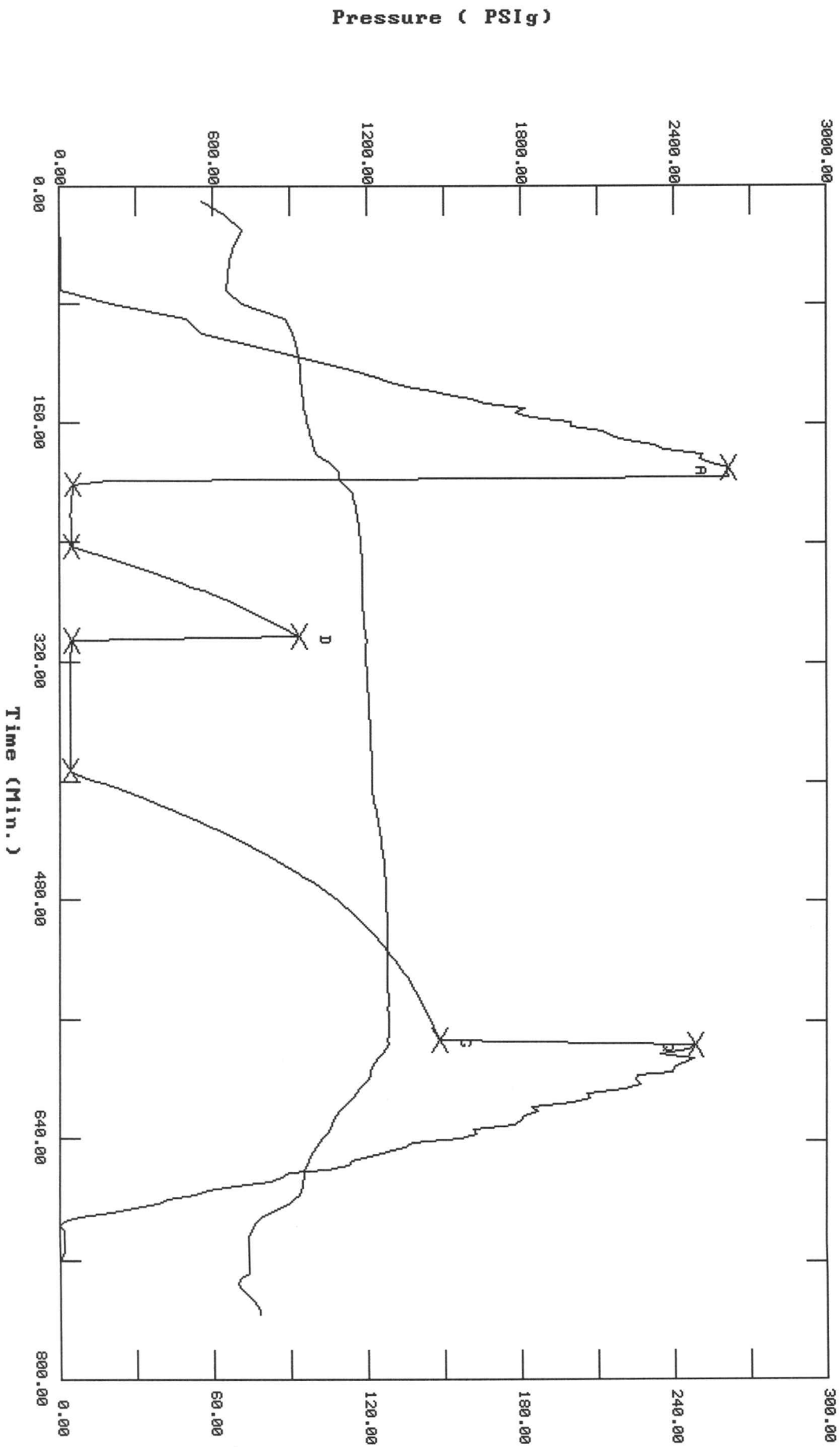
Remarks: GAS WILL BURN. GAS SAMPLE TAKEN AT 20 MINUTES FFP.

TEST HISTORY

Murfin Drlg./Canyon Energy OXY-KANE #2-36 DST #3

Flag Points

	t(Min.)	P(PSig)
A:	0.00	2617.62
B:	0.00	52.45
C:	42.00	45.40
D:	60.00	933.27
E:	0.00	46.91
F:	87.00	41.12
G:	180.00	1479.72
H:	0.00	2483.75



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy

OXY-KANE #2-36

DST #3

DATE: 02/27/95

TIME: 04:09:59

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	189.00	2617.6	0.0	107.42		
***** Start Flow 1	0.00	52.4	0.0	111.74		
	3.00	50.6	-1.8	113.54		
	6.00	49.9	-2.5	114.44		
	9.00	46.4	-6.0	114.80		
	12.00	47.4	-5.0	115.16		
	15.00	43.9	-8.6	115.52		
	18.00	43.9	-8.6	115.88		
	21.00	42.5	-10	116.24		
	24.00	43.5	-8.9	116.42		
	27.00	43.6	-8.8	116.78		
	30.00	44.5	-8.0	116.96		
	33.00	44.4	-8.1	117.14		
	36.00	44.6	-7.8	117.32		
	39.00	45.0	-7.5	117.50		
***** End Flow 1	42.00	45.4	-7.0	117.50		
***** Start Shutin 1	0.00	45.4	0.0	117.50	0.0000	0.002
	3.00	100.5	55.1	117.68	15.0000	0.010
	6.00	159.5	114.1	117.86	8.0000	0.025
	9.00	216.1	170.7	117.86	5.6667	0.047
	12.00	270.4	225.0	117.86	4.5000	0.073
	15.00	322.9	277.5	118.04	3.8000	0.104
	18.00	373.6	328.2	118.04	3.3333	0.140
	21.00	422.5	377.1	118.04	3.0000	0.178
	24.00	470.0	424.6	118.04	2.7500	0.221
	27.00	516.0	470.6	118.22	2.5556	0.266
	30.00	560.4	515.0	118.22	2.4000	0.314
	33.00	603.4	558.0	118.22	2.2727	0.364
	36.00	645.1	599.7	118.22	2.1667	0.416
	39.00	685.6	640.2	118.40	2.0769	0.470
	42.00	724.7	679.3	118.40	2.0000	0.525
	45.00	762.6	717.2	118.58	1.9333	0.581
	48.00	799.2	753.8	118.58	1.8750	0.639
	51.00	834.6	789.2	118.76	1.8235	0.697
	54.00	868.7	823.3	118.94	1.7778	0.755
	57.00	901.5	856.1	119.30	1.7368	0.813
***** End Shut-in 1	60.00	933.3	887.9	119.48	1.7000	0.871
***** Start Flow 2	0.00	46.9	0.0	119.66		
	3.00	45.5	-1.4	119.48		
	6.00	42.7	-4.2	119.12		
	9.00	41.6	-5.3	119.30		
	12.00	42.1	-4.8	119.30		
	15.00	42.3	-4.6	119.48		
	18.00	41.2	-5.7	119.66		
	21.00	41.4	-5.5	119.84		
	24.00	42.0	-4.9	119.84		
	27.00	41.1	-5.8	120.02		
	30.00	41.7	-5.2	120.20		
	33.00	41.5	-5.5	120.20		
	36.00	41.9	-5.0	120.38		

39.00

40.4

-6.5

120.38

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy

OXY-KANE #2-36

DST #3

DATE: 02/27/95

TIME: 04:09:59

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	42.00	41.7	-5.2	120.56		
	45.00	42.0	-4.9	120.56		
	48.00	41.9	-5.0	120.74		
	51.00	41.6	-5.3	120.74		
	54.00	41.4	-5.5	120.92		
	57.00	41.4	-5.5	120.92		
	60.00	41.4	-5.5	121.10		
	63.00	41.8	-5.1	121.10		
	66.00	41.5	-5.5	121.10		
	69.00	40.9	-6.0	121.28		
	72.00	41.1	-5.8	121.28		
	75.00	41.3	-5.6	121.46		
	78.00	41.7	-5.2	121.46		
	81.00	41.4	-5.5	121.46		
	84.00	42.0	-4.9	121.64		
***** End Flow 2	87.00	41.1	-5.8	121.64		
***** Start Shutin 2	0.00	41.1	0.0	121.64	0.0000	0.002
	3.00	74.2	33.1	121.64	44.0000	0.006
	6.00	125.2	84.1	121.82	22.5000	0.016
	9.00	174.4	133.3	121.82	15.3333	0.030
	12.00	222.2	181.1	121.82	11.7500	0.049
	15.00	268.9	227.8	122.00	9.6000	0.072
	18.00	314.4	273.3	122.18	8.1667	0.099
	21.00	359.1	318.0	122.54	7.1429	0.129
	24.00	402.6	361.5	122.90	6.3750	0.162
	27.00	445.2	404.1	123.26	5.7778	0.198
	30.00	486.9	445.8	123.62	5.3000	0.237
	33.00	527.6	486.4	123.98	4.9091	0.278
	36.00	567.2	526.1	124.34	4.5833	0.322
	39.00	605.9	564.8	124.70	4.3077	0.367
	42.00	643.5	602.3	124.88	4.0714	0.414
	45.00	680.1	638.9	125.24	3.8667	0.462
	48.00	715.6	674.5	125.42	3.6875	0.512
	51.00	750.1	708.9	125.60	3.5294	0.563
	54.00	783.5	742.4	125.96	3.3889	0.614
	57.00	815.9	774.8	126.14	3.2632	0.666
	60.00	847.3	806.2	126.32	3.1500	0.718
	63.00	877.5	836.3	126.32	3.0476	0.770
	66.00	906.7	865.5	126.50	2.9545	0.822
	69.00	934.8	893.7	126.68	2.8696	0.874
	72.00	961.8	920.7	126.86	2.7917	0.925
	75.00	987.8	946.7	126.86	2.7200	0.976
	78.00	1012.9	971.8	127.04	2.6538	1.026
	81.00	1037.1	996.0	127.22	2.5926	1.076
	84.00	1060.3	1019.2	127.22	2.5357	1.124
	87.00	1082.7	1041.5	127.40	2.4828	1.172
	90.00	1104.1	1062.9	127.40	2.4333	1.219
	93.00	1124.7	1083.6	127.40	2.3871	1.265
	96.00	1144.4	1103.3	127.58	2.3438	1.310
	99.00	1163.5	1122.4	127.58	2.3030	1.354
	102.00	1181.8	1140.7	127.58	2.2647	1.397

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy

OXY-KANE #2-36

DST #3

DATE: 02/27/95

TIME: 04:09:59

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	105.00	1199.5	1158.4	127.76	2.2286	1.439
	108.00	1216.3	1175.2	127.76	2.1944	1.479
	111.00	1232.6	1191.4	127.76	2.1622	1.519
	114.00	1248.1	1207.0	127.76	2.1316	1.558
	117.00	1263.3	1222.2	127.76	2.1026	1.596
	120.00	1277.8	1236.7	127.76	2.0750	1.633
	123.00	1291.6	1250.5	127.94	2.0488	1.668
	126.00	1305.2	1264.0	127.94	2.0238	1.703
	129.00	1318.1	1277.0	127.94	2.0000	1.737
	132.00	1330.4	1289.3	127.94	1.9773	1.770
	135.00	1342.3	1301.2	127.94	1.9556	1.802
	138.00	1353.9	1312.8	127.94	1.9348	1.833
	141.00	1365.1	1324.0	127.94	1.9149	1.863
	144.00	1375.8	1334.7	127.94	1.8958	1.893
	147.00	1386.4	1345.3	127.94	1.8776	1.922
	150.00	1396.2	1355.1	128.12	1.8600	1.949
	153.00	1406.0	1364.9	128.12	1.8431	1.977
	156.00	1415.4	1374.3	128.12	1.8269	2.003
	159.00	1424.4	1383.3	127.94	1.8113	2.029
	162.00	1433.2	1392.1	128.12	1.7963	2.054
	165.00	1441.7	1400.6	128.12	1.7818	2.079
	168.00	1449.8	1408.6	128.12	1.7679	2.102
	171.00	1457.6	1416.5	128.12	1.7544	2.125
	174.00	1465.3	1424.2	128.12	1.7414	2.147
	177.00	1472.6	1431.5	128.12	1.7288	2.169
***** End Shut-in 2	180.00	1479.7	1438.6	127.94	1.7167	2.190
***** Final Hydro.	576.00	2483.8	0.0	128.12		

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name OXY-KANE 2-36 Test No. 4 Date 2-28-95
Company MURFIN DRILLING / CANYON INC Zone ST LOUIS
Address BOX 250 N WATER #300 / WICHITA KS 67202 Elevation 2657
Co. Rep./Geo. CHUCK SCHMALTZ Cont. MURFIN #20 Est. Ft. of Pay 14
Location: Sec. 36 Twp. 32S Rge. 33W Co. SEWARD State KS

Interval Tested 5720-5778 Drill Pipe Size 4.5" XH
Anchor Length 58 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 5715 Drill Collar - 2.25 Ft. Run 408
Bottom Packer Depth 5720 Mud Wt. 9 lb/Gal.
Total Depth 5778 Viscosity 50 Filtrate 7.8

Tool Open @ 6:55PM Initial Blow VERY STRONG BLOW - BOTTOM OF BUCKET IN 15 SECONDS
GAS TO SURFACE IN 7 MINUTES - GAUGED @ 132 MCF
Final Blow BOTTOM OF BUCKET AS TOOL OPENED
GAUGED @ 301 MCF

Recovery - Total Feet 70 Flush Tool? NO

Rec. 70 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 4000 ppm System

(A) Initial Hydrostatic Mud 2846.82 PSI AK1 Recorder No. 2342 Range 6000

(B) First Initial Flow Pressure 55.22 PSI @ (depth) 5730 w / Clock No. ELECT

(C) First Final Flow Pressure 84.76 PSI AK1 Recorder No. 11038 Range 5075

(D) Initial Shut-in Pressure 1782.11 PSI @ (depth) 5775 w / Clock No. 3942

(E) Second Initial Flow Pressure 52.03 PSI AK1 Recorder No. _____ Range _____

(F) Second Final Flow Pressure 38.35 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1784.63 PSI Initial Opening 30 Final Flow 90

(H) Final Hydrostatic Mud 2741.49 PSI Initial Shut-in 60 Final Shut-in 180

Our Representative _____

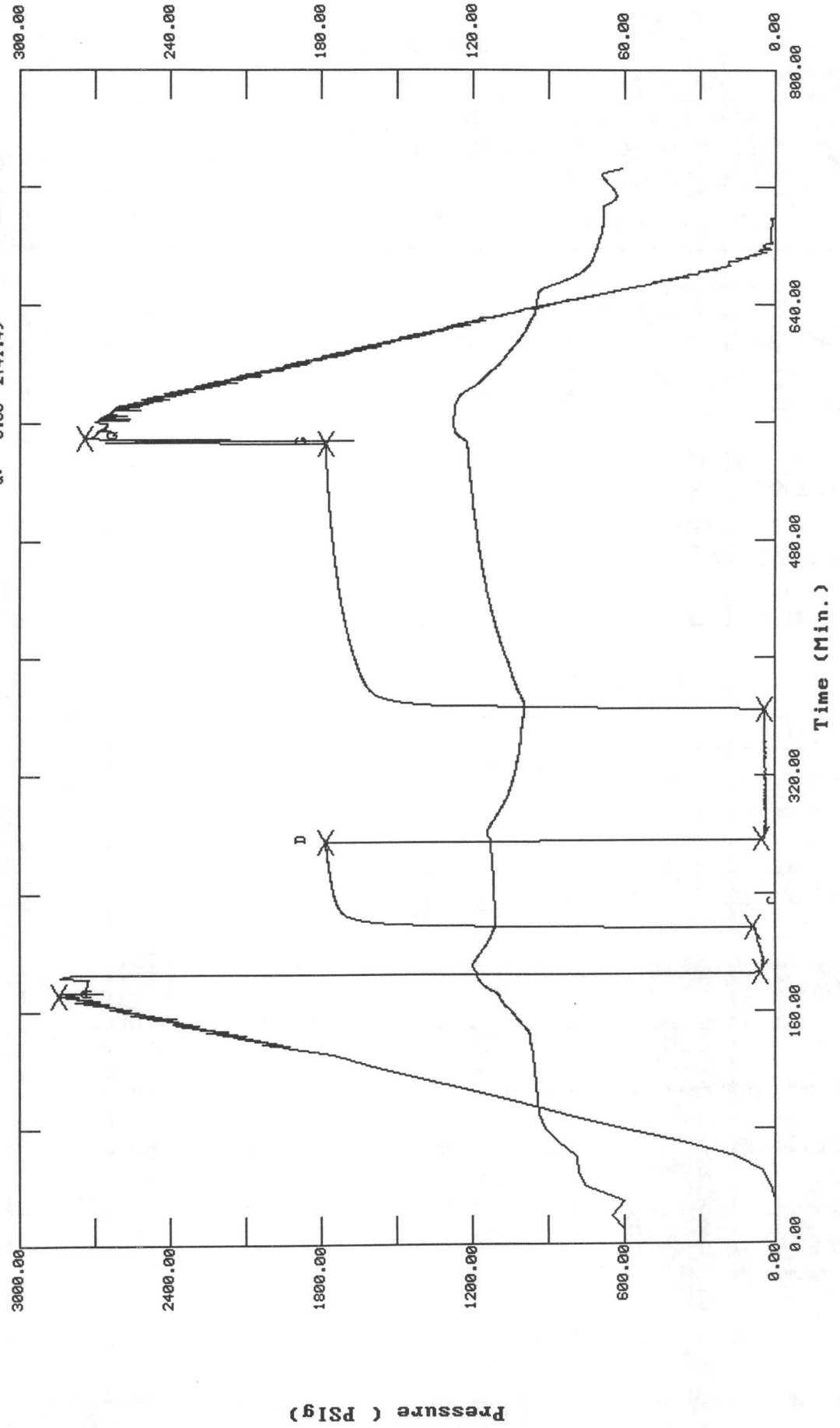
TEST HISTORY

Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

Flag Points

t(Min.) P(PSIG)

A: 0.00 2846.82
 B: 0.00 55.22
 C: 30.00 84.76
 D: 59.00 1782.11
 E: 0.00 52.03
 F: 88.00 38.35
 G: 181.00 1784.63
 Q: 0.00 2741.49



Operator.....: MURFIN DRILLING / CANYON INC
Well Name.....: OXY-KANE 2-36
DST Number.....: 4

Location.: 36-32S-33W Recorder No....: 2342
Test Type: CONVENTIONAL Recorder Depth: 5730
Formation: ST LOUIS Test Interval.: 5720-5778

RESERVOIR CALCULATIONS: Gas calculations based on shut-in #2

RESERVOIR PARAMETERS USED:

Net Pay.....:	14.00 ft
Porosity.....:	10.00 %
Bottom Hole Temp.....:	122.00 F
Specific Gravity.....:	0.732
Z factor.....:	%7/3f %s
Compressibility.....:	0.000634 /psi
Viscosity.....:	0.0155 cp
Total Flowing Time.....:	120.00 min.
Flow Rate.....:	301.00 bbls/d
Final Flowing Pressure.....:	38.35 psi
Horner Slope.....:	0.5624 *10 ⁶ psi ² /cycle
Extrapolated Pressure.....:	1837.74 psi
Assumed Drainage Radius.....:	1350.00 ft
Well Bore Radius.....:	3.94 in

RESULTS:

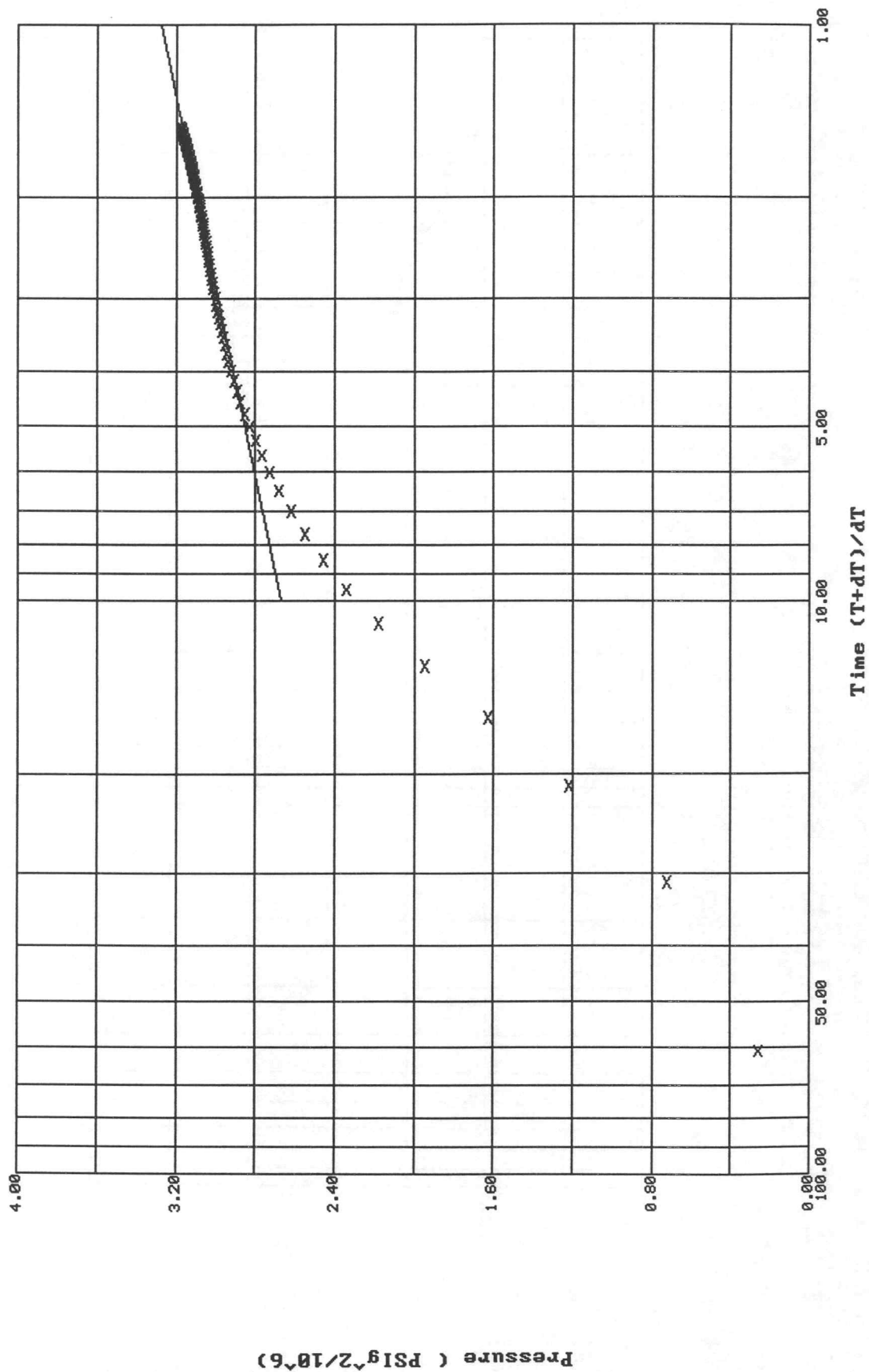
Effective Permeability.....:	0.562744 md
Flow Capacity.....:	7.8784 md.ft
Transmissibility.....:	508.2848 md.ft/cp
Skin Factor.....:	5.0209
Pressure Drop Across Skin.....:	1528.5875 psi
Radius of Investigation.....:	31.0354 ft
Damage Ratio.....:	1.7559
Absolute Open Flow.....:	301.0832 bbls/d
Absolute Open Flow W/O Damage.:	528.6709 bbls/d
Estimated Stabilized AOF.....:	174.0971 bbls/d

P² Horner Plot: shut-in #1

Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

Slope: 0.6093 PSig²/10⁶/cycle

Ext. Pressure: 1810.4174 PSig

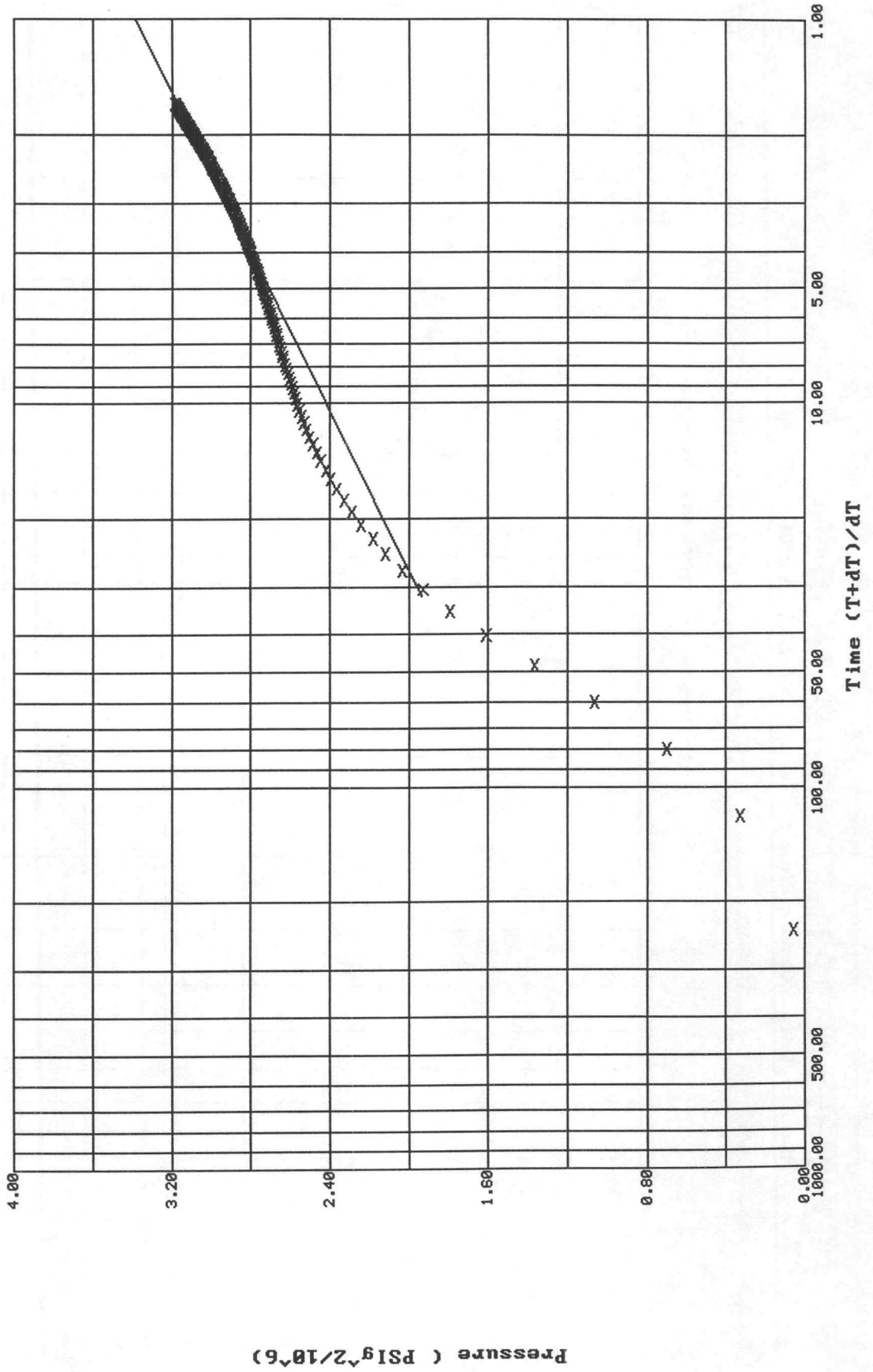


P² Horner Plot: shut-in #2

Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

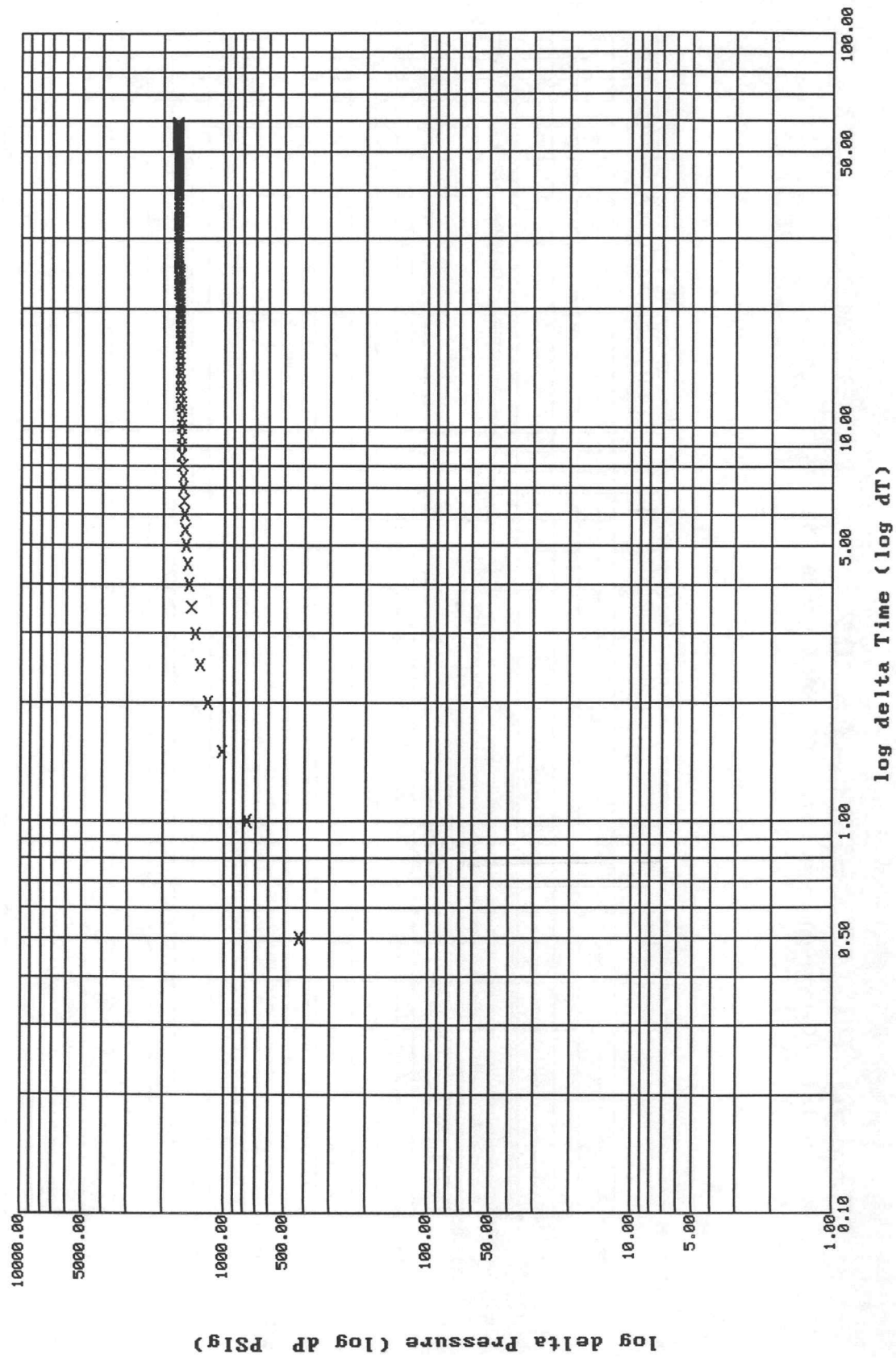
Slope: 0.9658 PSig²/10⁶/cycle

Ext. Pressure: 1838.7443 PSig

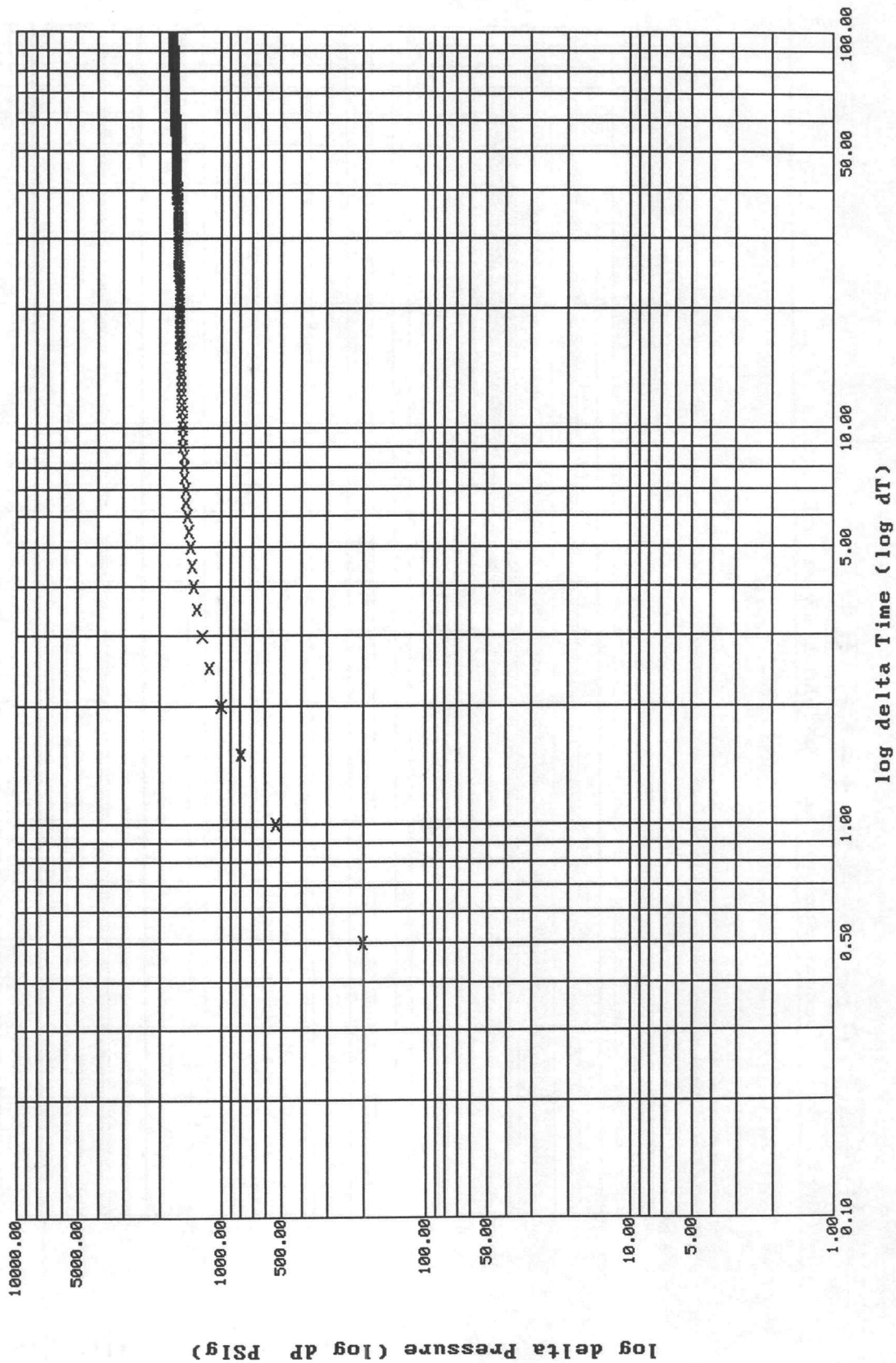


Ramey Plot: shut-in #1

Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4



Ramey Plot: shut-in #2
Murfin Drig./Canyon Energy Inc. OXY-KANE #2-36 DST #4



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

DATE: 02/28/95 TIME: 15:48:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	171.00	2846.8	0.0	109.58		
***** Start Flow 1	0.00	55.2	0.0	118.40		
	0.50	51.0	-4.2	118.58		
	1.00	51.0	-4.2	118.76		
	1.50	48.8	-6.4	119.12		
	2.00	50.8	-4.4	119.30		
	2.50	48.6	-6.6	119.48		
	3.00	49.0	-6.2	119.48		
	3.50	50.4	-4.8	119.66		
	4.00	49.8	-5.5	119.66		
	4.50	49.1	-6.1	119.66		
	5.00	48.6	-6.6	119.66		
	5.50	47.2	-8.1	119.66		
	6.00	48.6	-6.6	119.66		
	6.50	49.3	-5.9	119.48		
	7.00	48.4	-6.8	119.30		
	7.50	48.2	-7.0	119.12		
	8.00	48.7	-6.5	118.94		
	8.50	47.0	-8.2	118.76		
	9.00	47.5	-7.7	118.58		
	9.50	47.7	-7.6	118.40		
	10.00	50.1	-5.1	118.22		
	10.50	50.3	-5.0	118.04		
	11.00	50.8	-4.4	117.68		
	11.50	51.4	-3.8	117.50		
	12.00	52.4	-2.8	117.32		
	12.50	53.3	-1.9	117.14		
	13.00	55.1	-0.1	116.78		
	13.50	55.9	0.7	116.60		
	14.00	56.5	1.3	116.42		
	14.50	57.6	2.4	116.24		
	15.00	58.2	3.0	116.06		
	15.50	58.8	3.6	115.70		
	16.00	59.5	4.3	115.52		
	16.50	60.0	4.8	115.34		
	17.00	61.3	6.0	115.16		
	17.50	62.1	6.9	114.98		
	18.00	62.3	7.1	114.80		
	18.50	65.0	9.8	114.62		
	19.00	66.1	10.9	114.44		
	19.50	66.5	11.3	114.26		
	20.00	66.8	11.6	114.08		
	20.50	67.7	12.5	114.08		
	21.00	68.2	13.0	113.90		
	21.50	68.6	13.3	113.72		
	22.00	69.2	14.0	113.54		
	22.50	69.3	14.1	113.36		
	23.00	70.6	15.4	113.18		
	23.50	70.7	15.4	113.00		
	24.00	71.5	16.3	112.82		
	24.50	72.2	17.0	112.82		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

DATE: 02/28/95

TIME: 15:48:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	72.5	17.3	112.64		
	25.50	72.9	17.7	112.46		
	26.00	73.8	18.6	112.28		
	26.50	74.2	19.0	112.28		
	27.00	74.8	19.6	112.10		
	27.50	74.9	19.7	111.92		
	28.00	76.7	21.5	111.92		
	28.50	76.0	20.8	111.74		
	29.00	76.3	21.1	111.56		
	29.50	76.6	21.4	111.56		
***** End Flow 1	30.00	84.8	29.5	111.38		
***** Start Shutin 1	0.00	84.8	0.0	111.38	0.0000	0.007
	0.50	508.1	423.3	111.20	61.0000	0.258
	1.00	851.9	767.1	111.20	31.0000	0.726
	1.50	1103.6	1018.9	111.20	21.0000	1.218
	2.00	1277.7	1193.0	111.02	16.0000	1.633
	2.50	1396.0	1311.3	111.02	13.0000	1.949
	3.00	1475.7	1390.9	111.02	11.0000	2.178
	3.50	1530.1	1445.3	111.02	9.5714	2.341
	4.00	1568.8	1484.0	111.02	8.5000	2.461
	4.50	1597.4	1512.6	111.02	7.6667	2.552
	5.00	1619.5	1534.8	111.02	7.0000	2.623
	5.50	1637.3	1552.5	111.02	6.4545	2.681
	6.00	1651.9	1567.1	111.02	6.0000	2.729
	6.50	1663.9	1579.2	111.02	5.6154	2.769
	7.00	1674.0	1589.3	111.02	5.2857	2.802
	7.50	1682.4	1597.6	111.02	5.0000	2.830
	8.00	1689.6	1604.9	111.02	4.7500	2.855
	8.50	1695.9	1611.2	111.02	4.5294	2.876
	9.00	1701.1	1616.4	111.20	4.3333	2.894
	9.50	1705.8	1621.1	111.20	4.1579	2.910
	10.00	1709.9	1625.1	111.20	4.0000	2.924
	10.50	1713.4	1628.6	111.20	3.8571	2.936
	11.00	1716.6	1631.8	111.20	3.7273	2.947
	11.50	1719.3	1634.6	111.20	3.6087	2.956
	12.00	1721.9	1637.1	111.20	3.5000	2.965
	12.50	1724.2	1639.4	111.20	3.4000	2.973
	13.00	1726.3	1641.5	111.20	3.3077	2.980
	13.50	1728.1	1643.4	111.20	3.2222	2.986
	14.00	1729.9	1645.2	111.20	3.1429	2.993
	14.50	1731.6	1646.8	111.20	3.0690	2.998
	15.00	1733.0	1648.3	111.20	3.0000	3.003
	15.50	1734.5	1649.8	111.20	2.9355	3.009
	16.00	1735.9	1651.1	111.20	2.8750	3.013
	16.50	1737.0	1652.3	111.20	2.8182	3.017
	17.00	1738.2	1653.5	111.20	2.7647	3.021
	17.50	1739.5	1654.7	111.20	2.7143	3.026
	18.00	1740.5	1655.7	111.20	2.6667	3.029
	18.50	1741.5	1656.7	111.20	2.6216	3.033
	19.00	1742.5	1657.7	111.38	2.5789	3.036
	19.50	1743.4	1658.7	111.38	2.5385	3.040

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4
 DATE: 02/28/95 TIME: 15:48:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
20.00	1744.3	1659.6	111.38	2.5000	3.043
20.50	1745.2	1660.4	111.38	2.4634	3.046
21.00	1746.1	1661.4	111.38	2.4286	3.049
21.50	1746.9	1662.1	111.38	2.3953	3.052
22.00	1747.7	1662.9	111.38	2.3636	3.054
22.50	1748.5	1663.7	111.38	2.3333	3.057
23.00	1749.2	1664.5	111.38	2.3043	3.060
23.50	1750.0	1665.2	111.38	2.2766	3.062
24.00	1750.6	1665.9	111.38	2.2500	3.065
24.50	1751.3	1666.6	111.38	2.2245	3.067
25.00	1752.1	1667.3	111.38	2.2000	3.070
25.50	1752.7	1667.9	111.38	2.1765	3.072
26.00	1753.3	1668.6	111.38	2.1538	3.074
26.50	1754.0	1669.2	111.38	2.1321	3.077
27.00	1754.6	1669.8	111.38	2.1111	3.079
27.50	1755.2	1670.4	111.38	2.0909	3.081
28.00	1755.8	1671.0	111.38	2.0714	3.083
28.50	1756.3	1671.6	111.56	2.0526	3.085
29.00	1756.9	1672.2	111.56	2.0345	3.087
29.50	1757.5	1672.8	111.56	2.0169	3.089
30.00	1758.1	1673.4	111.56	2.0000	3.091
30.50	1758.6	1673.9	111.56	1.9836	3.093
31.00	1759.2	1674.4	111.56	1.9677	3.095
31.50	1759.8	1675.0	111.56	1.9524	3.097
32.00	1760.4	1675.6	111.56	1.9375	3.099
32.50	1760.9	1676.1	111.56	1.9231	3.101
33.00	1761.4	1676.6	111.56	1.9091	3.102
33.50	1762.0	1677.2	111.56	1.8955	3.105
34.00	1762.4	1677.6	111.56	1.8824	3.106
34.50	1763.0	1678.2	111.56	1.8696	3.108
35.00	1763.4	1678.6	111.74	1.8571	3.110
35.50	1763.9	1679.1	111.74	1.8451	3.111
36.00	1764.3	1679.6	111.74	1.8333	3.113
36.50	1764.8	1680.1	111.74	1.8219	3.115
37.00	1765.3	1680.6	111.74	1.8108	3.116
37.50	1765.7	1681.0	111.74	1.8000	3.118
38.00	1766.3	1681.5	111.74	1.7895	3.120
38.50	1766.7	1681.9	111.74	1.7792	3.121
39.00	1767.2	1682.4	111.74	1.7692	3.123
39.50	1767.6	1682.8	111.92	1.7595	3.124
40.00	1768.1	1683.3	111.92	1.7500	3.126
40.50	1768.4	1683.7	111.92	1.7407	3.127
41.00	1768.9	1684.1	111.92	1.7317	3.129
41.50	1769.3	1684.5	111.92	1.7229	3.130
42.00	1769.7	1684.9	111.92	1.7143	3.132
42.50	1770.1	1685.4	111.92	1.7059	3.133
43.00	1770.6	1685.9	111.92	1.6977	3.135
43.50	1771.0	1686.3	112.10	1.6897	3.137
44.00	1771.4	1686.6	111.92	1.6818	3.138
44.50	1771.8	1687.0	112.10	1.6742	3.139
45.00	1772.2	1687.5	112.10	1.6667	3.141

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

DATE: 02/28/95

TIME: 15:48:25

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	45.50	1772.7	1688.0	112.10	1.6593	3.143
	46.00	1773.1	1688.4	112.10	1.6522	3.144
	46.50	1773.5	1688.7	112.10	1.6452	3.145
	47.00	1773.8	1689.0	112.10	1.6383	3.146
	47.50	1774.2	1689.5	112.10	1.6316	3.148
	48.00	1774.6	1689.8	112.28	1.6250	3.149
	48.50	1774.9	1690.1	112.28	1.6186	3.150
	49.00	1775.3	1690.6	112.28	1.6122	3.152
	49.50	1775.7	1690.9	112.28	1.6061	3.153
	50.00	1776.0	1691.2	112.28	1.6000	3.154
	50.50	1776.3	1691.6	112.28	1.5941	3.155
	51.00	1776.8	1692.1	112.28	1.5882	3.157
	51.50	1777.2	1692.4	112.46	1.5825	3.158
	52.00	1777.4	1692.7	112.46	1.5769	3.159
	52.50	1777.8	1693.0	112.46	1.5714	3.160
	53.00	1778.2	1693.4	112.46	1.5660	3.162
	53.50	1778.5	1693.7	112.46	1.5607	3.163
	54.00	1778.8	1694.0	112.46	1.5556	3.164
	54.50	1779.2	1694.4	112.46	1.5505	3.165
	55.00	1779.5	1694.8	112.64	1.5455	3.167
	55.50	1779.8	1695.1	112.64	1.5405	3.168
	56.00	1780.3	1695.5	112.64	1.5357	3.169
	56.50	1780.5	1695.8	112.64	1.5310	3.170
	57.00	1780.9	1696.1	112.64	1.5263	3.171
	57.50	1781.2	1696.4	112.64	1.5217	3.173
	58.00	1781.4	1696.7	112.82	1.5172	3.174
	58.50	1781.8	1697.0	112.82	1.5128	3.175
***** End Shut-in 1	59.00	1782.1	1697.4	112.82	1.5085	3.176
***** Start Flow 2	0.00	52.0	0.0	112.82		
	0.50	40.8	-11.2	112.82		
	1.00	38.7	-13.3	113.00		
	1.50	37.0	-15.0	113.36		
	2.00	37.9	-14.1	113.54		
	2.50	37.2	-14.9	113.72		
	3.00	38.7	-13.3	113.90		
	3.50	36.9	-15.1	113.90		
	4.00	36.4	-15.6	114.08		
	4.50	39.7	-12.3	114.08		
	5.00	37.7	-14.4	114.08		
	5.50	37.0	-15.0	114.08		
	6.00	36.3	-15.7	113.90		
	6.50	37.2	-14.9	113.90		
	7.00	36.5	-15.5	113.72		
	7.50	37.3	-14.8	113.54		
	8.00	35.5	-16.5	113.36		
	8.50	36.9	-15.1	113.18		
	9.00	35.7	-16.3	113.00		
	9.50	35.6	-16.4	112.82		
	10.00	36.6	-15.4	112.64		
	10.50	36.5	-15.5	112.46		
	11.00	36.2	-15.8	112.28		

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

DATE: 02/28/95 TIME: 15:48:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
11.50	35.7	-16.3	112.10		
12.00	36.8	-15.3	111.92		
12.50	35.6	-16.4	111.56		
13.00	35.4	-16.6	111.38		
13.50	36.1	-15.9	111.20		
14.00	36.0	-16.0	111.02		
14.50	34.7	-17.3	110.84		
15.00	35.5	-16.5	110.66		
15.50	36.1	-15.9	110.48		
16.00	36.5	-15.5	110.30		
16.50	35.2	-16.9	110.12		
17.00	35.2	-16.9	109.94		
17.50	35.6	-16.4	109.76		
18.00	35.8	-16.2	109.58		
18.50	36.5	-15.5	109.40		
19.00	36.2	-15.8	109.22		
19.50	35.8	-16.2	109.04		
20.00	37.6	-14.4	108.86		
20.50	37.5	-14.5	108.68		
21.00	35.9	-16.1	108.50		
21.50	36.5	-15.5	108.32		
22.00	36.1	-15.9	108.14		
22.50	35.9	-16.1	107.96		
23.00	37.8	-14.2	107.78		
23.50	36.8	-15.3	107.60		
24.00	36.2	-15.9	107.60		
24.50	36.9	-15.1	107.42		
25.00	36.2	-15.8	107.24		
25.50	35.7	-16.3	107.06		
26.00	35.2	-16.8	106.88		
26.50	36.8	-15.2	106.88		
27.00	35.7	-16.4	106.70		
27.50	36.8	-15.3	106.52		
28.00	36.2	-15.8	106.34		
28.50	35.7	-16.3	106.34		
29.00	36.5	-15.5	106.16		
29.50	37.3	-14.8	105.98		
30.00	36.2	-15.8	105.80		
30.50	35.7	-16.4	105.80		
31.00	36.2	-15.8	105.62		
31.50	37.3	-14.8	105.62		
32.00	36.4	-15.6	105.44		
32.50	36.6	-15.4	105.26		
33.00	36.6	-15.4	105.26		
33.50	37.4	-14.6	105.08		
34.00	36.2	-15.9	104.90		
34.50	35.6	-16.4	104.90		
35.00	36.1	-15.9	104.72		
35.50	35.6	-16.4	104.72		
36.00	36.2	-15.9	104.54		
36.50	37.4	-14.6	104.36		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4
DATE: 02/28/95 TIME: 15:48:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
37.00	36.0	-16.0	104.36		
37.50	36.0	-16.0	104.18		
38.00	36.0	-16.0	104.18		
38.50	36.2	-15.8	104.00		
39.00	36.6	-15.4	104.00		
39.50	36.0	-16.0	103.82		
40.00	36.9	-15.1	103.82		
40.50	36.5	-15.5	103.64		
41.00	35.7	-16.4	103.64		
41.50	37.1	-14.9	103.64		
42.00	37.7	-14.4	103.46		
42.50	37.2	-14.9	103.46		
43.00	36.8	-15.3	103.28		
43.50	35.8	-16.2	103.28		
44.00	36.4	-15.6	103.28		
44.50	36.4	-15.6	103.10		
45.00	38.1	-13.9	103.10		
45.50	36.8	-15.3	102.92		
46.00	36.2	-15.9	102.92		
46.50	36.1	-15.9	102.92		
47.00	36.5	-15.5	102.74		
47.50	35.8	-16.2	102.74		
48.00	37.4	-14.6	102.74		
48.50	37.7	-14.4	102.56		
49.00	36.8	-15.2	102.56		
49.50	37.4	-14.6	102.38		
50.00	37.4	-14.6	102.38		
50.50	37.3	-14.7	102.38		
51.00	37.1	-14.9	102.20		
51.50	37.6	-14.4	102.20		
52.00	38.3	-13.7	102.20		
52.50	37.0	-15.0	102.02		
53.00	37.3	-14.8	102.02		
53.50	36.8	-15.3	102.02		
54.00	36.6	-15.4	101.84		
54.50	37.3	-14.7	101.84		
55.00	36.6	-15.4	101.84		
55.50	37.2	-14.9	101.66		
56.00	38.3	-13.8	101.66		
56.50	37.2	-14.9	101.66		
57.00	36.2	-15.9	101.48		
57.50	36.2	-15.9	101.48		
58.00	36.6	-15.4	101.48		
58.50	37.5	-14.5	101.30		
59.00	38.1	-13.9	101.30		
59.50	37.3	-14.8	101.30		
60.00	37.9	-14.1	101.30		
60.50	37.3	-14.7	101.30		
61.00	37.0	-15.0	101.30		
61.50	36.5	-15.5	101.12		
62.00	37.3	-14.7	101.12		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

DATE: 02/28/95

TIME: 15:48:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
62.50	37.0	-15.0	101.12		
63.00	36.8	-15.2	101.12		
63.50	37.9	-14.1	101.12		
64.00	37.3	-14.8	101.12		
64.50	36.8	-15.3	101.12		
65.00	36.8	-15.3	100.94		
65.50	36.6	-15.4	100.94		
66.00	36.8	-15.3	100.94		
66.50	36.8	-15.3	100.94		
67.00	37.5	-14.5	100.94		
67.50	37.3	-14.8	100.94		
68.00	37.3	-14.7	100.76		
68.50	37.0	-15.0	100.76		
69.00	37.9	-14.1	100.76		
69.50	37.8	-14.3	100.76		
70.00	38.3	-13.8	100.76		
70.50	37.7	-14.4	100.58		
71.00	37.4	-14.6	100.58		
71.50	37.3	-14.7	100.58		
72.00	36.9	-15.1	100.58		
72.50	37.8	-14.3	100.58		
73.00	37.7	-14.4	100.40		
73.50	37.8	-14.2	100.40		
74.00	37.8	-14.3	100.40		
74.50	37.7	-14.4	100.40		
75.00	37.4	-14.6	100.40		
75.50	37.3	-14.8	100.40		
76.00	37.6	-14.4	100.22		
76.50	38.0	-14.0	100.22		
77.00	37.6	-14.4	100.22		
77.50	37.7	-14.4	100.22		
78.00	38.4	-13.6	100.22		
78.50	38.2	-13.8	100.04		
79.00	37.5	-14.5	100.04		
79.50	37.2	-14.9	100.04		
80.00	37.6	-14.4	100.04		
80.50	36.9	-15.1	99.86		
81.00	36.8	-15.3	99.86		
81.50	38.6	-13.4	99.86		
82.00	37.8	-14.2	99.86		
82.50	37.5	-14.5	99.86		
83.00	37.3	-14.8	99.68		
83.50	38.0	-14.0	99.68		
84.00	37.8	-14.2	99.68		
84.50	37.3	-14.7	99.68		
85.00	37.2	-14.9	99.68		
85.50	37.3	-14.7	99.68		
86.00	37.3	-14.8	99.50		
86.50	37.8	-14.3	99.50		
87.00	37.8	-14.2	99.50		
87.50	38.8	-13.2	99.50		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

DATE: 02/28/95

TIME: 15:48:25

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** End Flow 2	88.00	38.3	-13.7	99.50		
***** Start Shutin 2	0.00	38.3	0.0	99.50	0.0000	0.001
	0.50	238.7	200.3	99.50	237.0000	0.057
	1.00	576.0	537.6	99.32	119.0000	0.332
	1.50	836.9	798.6	99.32	79.6667	0.700
	2.00	1030.6	992.3	99.50	60.0000	1.062
	2.50	1170.3	1131.9	99.50	48.2000	1.370
	3.00	1269.1	1230.8	99.50	40.3333	1.611
	3.50	1338.7	1300.4	99.50	34.7143	1.792
	4.00	1388.5	1350.1	99.50	30.5000	1.928
	4.50	1425.6	1387.2	99.50	27.2222	2.032
	5.00	1454.3	1415.9	99.68	24.6000	2.115
	5.50	1477.4	1439.0	99.68	22.4545	2.183
	6.00	1496.3	1458.0	99.68	20.6667	2.239
	6.50	1512.4	1474.0	99.86	19.1538	2.287
	7.00	1526.0	1487.6	99.86	17.8571	2.329
	7.50	1537.6	1499.3	100.04	16.7333	2.364
	8.00	1547.7	1509.4	100.22	15.7500	2.395
	8.50	1556.4	1518.1	100.40	14.8824	2.422
	9.00	1564.2	1525.9	100.40	14.1111	2.447
	9.50	1570.8	1532.4	100.58	13.4211	2.467
	10.00	1576.8	1538.5	100.76	12.8000	2.486
	10.50	1582.1	1543.8	100.94	12.2381	2.503
	11.00	1586.9	1548.6	101.12	11.7273	2.518
	11.50	1591.2	1552.8	101.30	11.2609	2.532
	12.00	1595.1	1556.8	101.48	10.8333	2.544
	12.50	1598.6	1560.3	101.66	10.4400	2.556
	13.00	1602.0	1563.7	101.66	10.0769	2.566
	13.50	1604.9	1566.5	101.84	9.7407	2.576
	14.00	1607.7	1569.4	102.02	9.4286	2.585
	14.50	1610.3	1572.0	102.20	9.1379	2.593
	15.00	1612.7	1574.4	102.20	8.8667	2.601
	15.50	1615.1	1576.8	102.38	8.6129	2.609
	16.00	1617.3	1578.9	102.56	8.3750	2.616
	16.50	1619.3	1580.9	102.56	8.1515	2.622
	17.00	1621.3	1583.0	102.74	7.9412	2.629
	17.50	1623.2	1584.9	102.92	7.7429	2.635
	18.00	1625.1	1586.7	102.92	7.5556	2.641
	18.50	1626.9	1588.6	103.10	7.3784	2.647
	19.00	1628.5	1590.2	103.10	7.2105	2.652
	19.50	1630.1	1591.8	103.28	7.0513	2.657
	20.00	1631.8	1593.5	103.46	6.9000	2.663
	20.50	1633.2	1594.9	103.46	6.7561	2.667
	21.00	1634.7	1596.3	103.64	6.6190	2.672
	21.50	1636.2	1597.8	103.64	6.4884	2.677
	22.00	1637.5	1599.2	103.82	6.3636	2.681
	22.50	1638.9	1600.6	104.00	6.2444	2.686
	23.00	1640.3	1601.9	104.00	6.1304	2.691
	23.50	1641.6	1603.3	104.18	6.0213	2.695
	24.00	1642.9	1604.5	104.18	5.9167	2.699
	24.50	1644.1	1605.8	104.36	5.8163	2.703

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

DATE: 02/28/95

TIME: 15:48:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
25.00	1645.3	1607.0	104.36	5.7200	2.707
25.50	1646.7	1608.3	104.54	5.6275	2.711
26.00	1647.8	1609.5	104.72	5.5385	2.715
26.50	1648.9	1610.6	104.72	5.4528	2.719
27.00	1650.2	1611.8	104.90	5.3704	2.723
27.50	1651.3	1612.9	104.90	5.2909	2.727
28.00	1652.4	1614.0	105.08	5.2143	2.730
28.50	1653.5	1615.2	105.08	5.1404	2.734
29.00	1654.6	1616.3	105.26	5.0690	2.738
29.50	1655.7	1617.4	105.44	5.0000	2.741
30.00	1656.7	1618.4	105.44	4.9333	2.745
30.50	1657.7	1619.4	105.62	4.8689	2.748
31.00	1658.7	1620.4	105.62	4.8065	2.751
31.50	1659.7	1621.4	105.80	4.7460	2.755
32.00	1660.8	1622.5	105.80	4.6875	2.758
32.50	1661.8	1623.5	105.98	4.6308	2.762
33.00	1662.8	1624.4	106.16	4.5758	2.765
33.50	1663.8	1625.4	106.16	4.5224	2.768
34.00	1664.8	1626.4	106.34	4.4706	2.772
34.50	1665.8	1627.4	106.34	4.4203	2.775
35.00	1666.7	1628.4	106.52	4.3714	2.778
35.50	1667.6	1629.3	106.70	4.3239	2.781
36.00	1668.6	1630.3	106.70	4.2778	2.784
36.50	1669.5	1631.1	106.88	4.2329	2.787
37.00	1670.5	1632.1	106.88	4.1892	2.791
37.50	1671.3	1633.0	107.06	4.1467	2.793
38.00	1672.3	1633.9	107.24	4.1053	2.796
38.50	1673.1	1634.7	107.24	4.0649	2.799
39.00	1674.0	1635.7	107.42	4.0256	2.802
39.50	1674.9	1636.5	107.42	3.9873	2.805
40.00	1675.8	1637.4	107.60	3.9500	2.808
40.50	1676.6	1638.3	107.78	3.9136	2.811
41.00	1677.5	1639.2	107.78	3.8780	2.814
41.50	1678.4	1640.0	107.96	3.8434	2.817
42.00	1679.1	1640.8	107.96	3.8095	2.819
42.50	1680.0	1641.6	108.14	3.7765	2.822
43.00	1680.8	1642.5	108.14	3.7442	2.825
43.50	1681.7	1643.3	108.32	3.7126	2.828
44.00	1682.5	1644.1	108.32	3.6818	2.831
44.50	1683.3	1645.0	108.50	3.6517	2.834
45.00	1684.1	1645.7	108.50	3.6222	2.836
45.50	1684.9	1646.6	108.68	3.5934	2.839
46.00	1685.8	1647.4	108.86	3.5652	2.842
46.50	1686.4	1648.1	108.86	3.5376	2.844
47.00	1687.3	1648.9	109.04	3.5106	2.847
47.50	1688.0	1649.7	109.04	3.4842	2.849
48.00	1688.9	1650.5	109.22	3.4583	2.852
48.50	1689.5	1651.2	109.22	3.4330	2.855
49.00	1690.4	1652.0	109.40	3.4082	2.857
49.50	1691.1	1652.8	109.40	3.3838	2.860
50.00	1691.8	1653.5	109.58	3.3600	2.862

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4
DATE: 02/28/95 TIME: 15:48:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
50.50	1692.6	1654.2	109.58	3.3366	2.865
51.00	1693.3	1655.0	109.76	3.3137	2.867
51.50	1694.1	1655.7	109.76	3.2913	2.870
52.00	1694.7	1656.4	109.94	3.2692	2.872
52.50	1695.5	1657.2	109.94	3.2476	2.875
53.00	1696.3	1657.9	110.12	3.2264	2.877
53.50	1696.9	1658.6	110.12	3.2056	2.880
54.00	1697.6	1659.3	110.30	3.1852	2.882
54.50	1698.4	1660.0	110.30	3.1651	2.884
55.00	1699.0	1660.7	110.48	3.1455	2.887
55.50	1699.8	1661.4	110.48	3.1261	2.889
56.00	1700.5	1662.1	110.66	3.1071	2.892
56.50	1701.1	1662.8	110.66	3.0885	2.894
57.00	1701.7	1663.4	110.84	3.0702	2.896
57.50	1702.4	1664.0	110.84	3.0522	2.898
58.00	1703.1	1664.8	111.02	3.0345	2.901
58.50	1703.7	1665.4	111.02	3.0171	2.903
59.00	1704.5	1666.1	111.20	3.0000	2.905
59.50	1705.2	1666.8	111.20	2.9832	2.908
60.00	1705.7	1667.4	111.38	2.9667	2.910
60.50	1706.3	1668.0	111.38	2.9504	2.912
61.00	1707.1	1668.7	111.38	2.9344	2.914
61.50	1707.7	1669.3	111.56	2.9187	2.916
62.00	1708.3	1670.0	111.56	2.9032	2.918
62.50	1708.9	1670.6	111.74	2.8880	2.920
63.00	1709.6	1671.3	111.74	2.8730	2.923
63.50	1710.1	1671.8	111.92	2.8583	2.924
64.00	1710.9	1672.5	111.92	2.8438	2.927
64.50	1711.4	1673.0	112.10	2.8295	2.929
65.00	1712.0	1673.7	112.10	2.8154	2.931
65.50	1712.7	1674.4	112.10	2.8015	2.933
66.00	1713.3	1674.9	112.28	2.7879	2.935
66.50	1713.9	1675.5	112.28	2.7744	2.937
67.00	1714.5	1676.1	112.46	2.7612	2.939
67.50	1715.1	1676.7	112.46	2.7481	2.941
68.00	1715.7	1677.4	112.64	2.7353	2.944
68.50	1716.2	1677.9	112.64	2.7226	2.945
69.00	1716.8	1678.5	112.64	2.7101	2.947
69.50	1717.3	1679.0	112.82	2.6978	2.949
70.00	1717.9	1679.6	112.82	2.6857	2.951
70.50	1718.5	1680.2	113.00	2.6738	2.953
71.00	1719.1	1680.7	113.00	2.6620	2.955
71.50	1719.6	1681.2	113.00	2.6503	2.957
72.00	1720.2	1681.8	113.18	2.6389	2.959
72.50	1720.7	1682.3	113.18	2.6276	2.961
73.00	1721.2	1682.8	113.36	2.6164	2.962
73.50	1721.8	1683.4	113.36	2.6054	2.964
74.00	1722.4	1684.1	113.36	2.5946	2.967
74.50	1722.9	1684.5	113.54	2.5839	2.968
75.00	1723.5	1685.2	113.54	2.5733	2.971
75.50	1724.0	1685.6	113.54	2.5629	2.972

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4
 DATE: 02/28/95 TIME: 15:48:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
76.00	1724.5	1686.2	113.72	2.5526	2.974
76.50	1725.0	1686.7	113.72	2.5425	2.976
77.00	1725.5	1687.2	113.72	2.5325	2.978
77.50	1726.1	1687.7	113.90	2.5226	2.979
78.00	1726.6	1688.2	113.90	2.5128	2.981
78.50	1727.1	1688.7	114.08	2.5032	2.983
79.00	1727.6	1689.2	114.08	2.4937	2.984
79.50	1728.1	1689.7	114.08	2.4843	2.986
80.00	1728.6	1690.2	114.26	2.4750	2.988
80.50	1729.1	1690.7	114.26	2.4658	2.990
81.00	1729.6	1691.2	114.26	2.4568	2.991
81.50	1730.1	1691.7	114.44	2.4479	2.993
82.00	1730.6	1692.2	114.44	2.4390	2.995
82.50	1731.0	1692.7	114.44	2.4303	2.996
83.00	1731.6	1693.2	114.62	2.4217	2.998
83.50	1732.0	1693.7	114.62	2.4132	3.000
84.00	1732.5	1694.2	114.62	2.4048	3.002
84.50	1731.6	1693.2	114.80	2.3964	2.998
85.00	1732.0	1693.7	114.80	2.3882	3.000
85.50	1732.5	1694.2	114.80	2.3801	3.002
86.00	1733.1	1694.8	114.98	2.3721	3.004
86.50	1733.5	1695.2	114.98	2.3642	3.005
87.00	1733.9	1695.6	114.98	2.3563	3.007
87.50	1734.4	1696.0	115.16	2.3486	3.008
88.00	1734.9	1696.6	115.16	2.3409	3.010
88.50	1735.3	1696.9	115.16	2.3333	3.011
89.00	1735.9	1697.5	115.34	2.3258	3.013
89.50	1736.2	1697.9	115.34	2.3184	3.014
90.00	1736.7	1698.4	115.34	2.3111	3.016
90.50	1737.1	1698.8	115.52	2.3039	3.018
91.00	1737.5	1699.2	115.52	2.2967	3.019
91.50	1738.0	1699.6	115.52	2.2896	3.021
92.00	1738.4	1700.0	115.70	2.2826	3.022
92.50	1738.9	1700.5	115.70	2.2757	3.024
93.00	1739.3	1701.0	115.70	2.2688	3.025
93.50	1739.7	1701.4	115.70	2.2620	3.027
94.00	1740.2	1701.8	115.88	2.2553	3.028
94.50	1740.7	1702.3	115.88	2.2487	3.030
95.00	1741.1	1702.7	115.88	2.2421	3.031
95.50	1741.4	1703.1	116.06	2.2356	3.033
96.00	1741.8	1703.5	116.06	2.2292	3.034
96.50	1742.2	1703.8	116.06	2.2228	3.035
97.00	1742.7	1704.3	116.24	2.2165	3.037
97.50	1743.1	1704.7	116.24	2.2103	3.038
98.00	1743.4	1705.1	116.24	2.2041	3.040
98.50	1743.9	1705.6	116.24	2.1980	3.041
99.00	1744.3	1705.9	116.42	2.1919	3.042
99.50	1744.7	1706.3	116.42	2.1859	3.044
100.00	1745.0	1706.7	116.42	2.1800	3.045
100.50	1745.4	1707.1	116.60	2.1741	3.047
101.00	1745.8	1707.4	116.60	2.1683	3.048

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4
 DATE: 02/28/95 TIME: 15:48:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶
101.50	1746.1	1707.8	116.60	2.1626	3.049
102.00	1746.5	1708.2	116.60	2.1569	3.050
102.50	1746.9	1708.5	116.78	2.1512	3.052
103.00	1747.3	1708.9	116.78	2.1456	3.053
103.50	1747.6	1709.3	116.78	2.1401	3.054
104.00	1748.0	1709.6	116.78	2.1346	3.055
104.50	1748.3	1709.9	116.96	2.1292	3.057
105.00	1748.7	1710.4	116.96	2.1238	3.058
105.50	1749.0	1710.7	116.96	2.1185	3.059
106.00	1749.5	1711.1	117.14	2.1132	3.061
106.50	1749.8	1711.5	117.14	2.1080	3.062
107.00	1750.1	1711.8	117.14	2.1028	3.063
107.50	1750.6	1712.2	117.14	2.0977	3.064
108.00	1750.9	1712.5	117.32	2.0926	3.066
108.50	1751.2	1712.9	117.32	2.0876	3.067
109.00	1751.6	1713.2	117.32	2.0826	3.068
109.50	1752.0	1713.6	117.32	2.0776	3.069
110.00	1752.2	1713.9	117.50	2.0727	3.070
110.50	1752.7	1714.3	117.50	2.0679	3.072
111.00	1753.0	1714.6	117.50	2.0631	3.073
111.50	1753.3	1715.0	117.50	2.0583	3.074
112.00	1753.7	1715.3	117.68	2.0536	3.075
112.50	1753.9	1715.6	117.68	2.0489	3.076
113.00	1754.3	1716.0	117.68	2.0442	3.078
113.50	1754.6	1716.2	117.68	2.0396	3.079
114.00	1754.9	1716.6	117.86	2.0351	3.080
114.50	1755.3	1716.9	117.86	2.0306	3.081
115.00	1755.5	1717.2	117.86	2.0261	3.082
115.50	1755.9	1717.6	117.86	2.0216	3.083
116.00	1756.2	1717.8	118.04	2.0172	3.084
116.50	1756.5	1718.2	118.04	2.0129	3.085
117.00	1756.9	1718.5	118.04	2.0085	3.087
117.50	1757.2	1718.8	118.04	2.0043	3.088
118.00	1757.4	1719.1	118.22	2.0000	3.089
118.50	1757.8	1719.4	118.22	1.9958	3.090
119.00	1758.1	1719.8	118.22	1.9916	3.091
119.50	1758.4	1720.0	118.22	1.9874	3.092
120.00	1758.6	1720.3	118.22	1.9833	3.093
120.50	1759.0	1720.6	118.40	1.9793	3.094
121.00	1759.3	1720.9	118.40	1.9752	3.095
121.50	1759.6	1721.3	118.40	1.9712	3.096
122.00	1759.9	1721.5	118.40	1.9672	3.097
122.50	1760.1	1721.8	118.58	1.9633	3.098
123.00	1760.5	1722.1	118.58	1.9593	3.099
123.50	1760.7	1722.4	118.58	1.9555	3.100
124.00	1761.0	1722.6	118.58	1.9516	3.101
124.50	1761.3	1723.0	118.76	1.9478	3.102
125.00	1761.6	1723.2	118.76	1.9440	3.103
125.50	1761.9	1723.5	118.76	1.9402	3.104
126.00	1762.1	1723.8	118.76	1.9365	3.105
126.50	1762.5	1724.1	118.76	1.9328	3.106

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

DATE: 02/28/95 TIME: 15:48:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
127.00	1762.7	1724.4	118.94	1.9291	3.107
127.50	1763.0	1724.6	118.94	1.9255	3.108
128.00	1763.2	1724.9	118.94	1.9219	3.109
128.50	1763.5	1725.1	118.94	1.9183	3.110
129.00	1763.7	1725.4	119.12	1.9147	3.111
129.50	1764.1	1725.7	119.12	1.9112	3.112
130.00	1764.3	1726.0	119.12	1.9077	3.113
130.50	1764.6	1726.2	119.12	1.9042	3.114
131.00	1764.8	1726.5	119.12	1.9008	3.115
131.50	1765.1	1726.7	119.30	1.8973	3.115
132.00	1765.3	1727.0	119.30	1.8939	3.116
132.50	1765.7	1727.3	119.30	1.8906	3.118
133.00	1765.9	1727.6	119.30	1.8872	3.118
133.50	1766.2	1727.8	119.30	1.8839	3.119
134.00	1766.4	1728.1	119.48	1.8806	3.120
134.50	1766.7	1728.3	119.48	1.8773	3.121
135.00	1766.9	1728.6	119.48	1.8741	3.122
135.50	1767.2	1728.8	119.48	1.8708	3.123
136.00	1767.4	1729.1	119.48	1.8676	3.124
136.50	1767.6	1729.2	119.66	1.8645	3.124
137.00	1767.9	1729.6	119.66	1.8613	3.126
137.50	1768.1	1729.8	119.66	1.8582	3.126
138.00	1768.4	1730.0	119.66	1.8551	3.127
138.50	1768.6	1730.3	119.66	1.8520	3.128
139.00	1768.9	1730.5	119.84	1.8489	3.129
139.50	1769.1	1730.8	119.84	1.8459	3.130
140.00	1769.4	1731.0	119.84	1.8429	3.131
140.50	1769.5	1731.2	119.84	1.8399	3.131
141.00	1769.9	1731.5	119.84	1.8369	3.132
141.50	1770.0	1731.7	120.02	1.8339	3.133
142.00	1770.3	1731.9	120.02	1.8310	3.134
142.50	1770.5	1732.2	120.02	1.8281	3.135
143.00	1770.8	1732.4	120.02	1.8252	3.136
143.50	1771.0	1732.7	120.02	1.8223	3.137
144.00	1771.2	1732.9	120.02	1.8194	3.137
144.50	1771.4	1733.0	120.20	1.8166	3.138
145.00	1771.6	1733.3	120.20	1.8138	3.139
145.50	1771.8	1733.4	120.20	1.8110	3.139
146.00	1772.1	1733.8	120.20	1.8082	3.140
146.50	1772.2	1733.9	120.20	1.8055	3.141
147.00	1772.5	1734.1	120.38	1.8027	3.142
147.50	1772.8	1734.5	120.38	1.8000	3.143
148.00	1772.9	1734.5	120.38	1.7973	3.143
148.50	1773.1	1734.8	120.38	1.7946	3.144
149.00	1773.4	1735.0	120.38	1.7919	3.145
149.50	1773.6	1735.3	120.38	1.7893	3.146
150.00	1773.8	1735.5	120.56	1.7867	3.146
150.50	1774.1	1735.7	120.56	1.7841	3.147
151.00	1774.2	1735.9	120.56	1.7815	3.148
151.50	1774.5	1736.1	120.56	1.7789	3.149
152.00	1774.6	1736.3	120.56	1.7763	3.149

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
 TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4
 DATE: 02/28/95 TIME: 15:48:25

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
152.50	1774.8	1736.5	120.74	1.7738	3.150
153.00	1775.0	1736.6	120.74	1.7712	3.151
153.50	1775.2	1736.9	120.74	1.7687	3.151
154.00	1775.4	1737.1	120.74	1.7662	3.152
154.50	1775.7	1737.3	120.74	1.7638	3.153
155.00	1775.8	1737.5	120.74	1.7613	3.154
155.50	1775.9	1737.6	120.92	1.7588	3.154
156.00	1776.2	1737.8	120.92	1.7564	3.155
156.50	1776.3	1738.0	120.92	1.7540	3.155
157.00	1776.6	1738.2	120.92	1.7516	3.156
157.50	1776.7	1738.4	120.92	1.7492	3.157
158.00	1776.9	1738.6	120.92	1.7468	3.157
158.50	1777.1	1738.7	121.10	1.7445	3.158
159.00	1777.3	1739.0	121.10	1.7421	3.159
159.50	1777.5	1739.2	121.10	1.7398	3.160
160.00	1777.8	1739.4	121.10	1.7375	3.160
160.50	1777.8	1739.5	121.10	1.7352	3.161
161.00	1778.1	1739.7	121.10	1.7329	3.162
161.50	1778.3	1739.9	121.28	1.7307	3.162
162.00	1778.3	1740.0	121.28	1.7284	3.162
162.50	1778.6	1740.2	121.28	1.7262	3.163
163.00	1778.8	1740.4	121.28	1.7239	3.164
163.50	1778.9	1740.6	121.28	1.7217	3.165
164.00	1779.1	1740.7	121.28	1.7195	3.165
164.50	1779.3	1740.9	121.46	1.7173	3.166
165.00	1779.5	1741.2	121.46	1.7152	3.167
165.50	1779.6	1741.3	121.46	1.7130	3.167
166.00	1779.8	1741.5	121.46	1.7108	3.168
166.50	1780.0	1741.7	121.46	1.7087	3.168
167.00	1780.2	1741.8	121.46	1.7066	3.169
167.50	1780.4	1742.1	121.46	1.7045	3.170
168.00	1780.5	1742.2	121.64	1.7024	3.170
168.50	1780.7	1742.3	121.64	1.7003	3.171
169.00	1780.9	1742.5	121.64	1.6982	3.171
169.50	1781.0	1742.7	121.64	1.6962	3.172
170.00	1781.2	1742.8	121.64	1.6941	3.173
170.50	1781.4	1743.1	121.64	1.6921	3.174
171.00	1781.6	1743.3	121.82	1.6901	3.174
171.50	1781.7	1743.3	121.82	1.6880	3.174
172.00	1781.8	1743.4	121.82	1.6860	3.175
172.50	1782.0	1743.7	121.82	1.6841	3.176
173.00	1782.2	1743.9	121.82	1.6821	3.176
173.50	1782.3	1743.9	121.82	1.6801	3.177
174.00	1782.5	1744.2	121.82	1.6782	3.177
174.50	1782.6	1744.3	122.00	1.6762	3.178
175.00	1782.9	1744.5	122.00	1.6743	3.179
175.50	1782.9	1744.5	122.00	1.6724	3.179
176.00	1783.1	1744.8	122.00	1.6705	3.180
176.50	1783.2	1744.9	122.00	1.6686	3.180
177.00	1783.5	1745.1	122.00	1.6667	3.181
177.50	1783.5	1745.2	122.00	1.6648	3.181

 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drlg./Canyon Energy Inc. OXY-KANE #2-36 DST #4

DATE: 02/28/95 TIME: 15:48:25

	Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
	178.00	1783.7	1745.4	122.18	1.6629	3.182
	178.50	1783.9	1745.5	122.18	1.6611	3.182
	179.00	1784.0	1745.6	122.18	1.6592	3.183
	179.50	1784.1	1745.8	122.18	1.6574	3.183
	180.00	1784.3	1746.0	122.18	1.6556	3.184
	180.50	1784.5	1746.1	122.18	1.6537	3.184
***** End Shut-in 2	181.00	1784.6	1746.3	122.18	1.6519	3.185
***** Final Hydro.	549.50	2741.5	0.0	124.70		

GAS VOLUME REPORT

MURFIN DRILLING / CANYON INC

OXY-KANE 2-36

DST # 4

<u>MIN</u>	<u>INS. WATER</u> <u>PSIG</u>	<u>ORIFICE</u>	<u>MCF/D</u>
10	11	0.375	69.4
15	22	0.375	107
20	26	0.375	119
25	26	0.375	119
30	30	0.375	132

<u>MIN</u>	<u>INS. WATER</u> <u>PSIG</u>	<u>ORIFICE</u>	<u>MCF/D</u>
5	5.5	1	336
10	5	1	319
15	4.5	1	301
20	4.5	1	301
25	4.5	1	301
30	4.5	1	301
35	4.5	1	301
40	4.5	1	301
45	4.5	1	301
50	4.5	1	301
55	4.5	1	301
60	4.5	1	301
65	4.5	1	301
70	4.5	1	301
75	4.5	1	301
80	4.5	1	301
85	4.5	1	301
90	4.5	1	301

Remarks: GAS TO SURFACE IN 7 MINUTES - GAS WILL BURN

FLUID SAMPLER DATA

Ticket No.: 7396

Date: 2-28-95

Company: MURFIN DRILLING / CANYON INC

Lease: OXY-KANE 2-36

Test No.: 4

County: SEWARD

Sec.: 36

Twp.: 32S

Rng.: 33W

SAMPLER RECOVERY

Gas 7.9 CU FT ML

Oil ML

Mud 600 ML

Water ML

Other ML

Pressure 1650 PSI

TOTAL 4000 ML

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 4000

Resistivit ohms@ F

Viscosity 50

Mud Wt. 9

Filtrate 7.8

Other

PIPE RECOVERY

TOP

Resistivit ohms@ F

Chlorides ppm.

MIDDLE

Resistivit ohms@ F

Chlorides ppm.

BOTTOM

Resistivit ohms@ F

Chlorides ppm.

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name OXY-KANE 2-36 Test No. 5 Date 3/2/95
Company MURFIN DRILLING / CANYON INC Zone SPERGEN
Address BOX 250 N WATER #300 / WICHITA KS 67202 Elevation 2657
Co. Rep./Geo. CHUCK SCHMALTZ Cont. MURFIN #20 Est. Ft. of Pay _____
Location: Sec. 36 Twp. 32S Rge. 33W Co. SEWARD State KS

Interval Tested 5803-5873
Anchor Length 70
Top Packer Depth 5798
Bottom Packer Depth 5803
Total Depth 5873

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run 533
Mud Wt. 8.8 lb/Gal.
Viscosity 57 Filtrate 8.5

Tool Open @ 1:45AM Initial Blow WEAK BLOW - BUILT TO 1"

ISI: NO BLOW BACK

Final Blow WEAK BLOW - BUILT TO 1"

FSI: NO BLOW BACK

Recovery - Total Feet 60

Flush Tool? NO

Rec. 60 Feet of DRILLING MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 127 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 2842.88 PSI AK1 Recorder No. 2342 Range 6000

(B) First Initial Flow Pressure 22.65 PSI @ (depth) 5811 w / Clock No. ELECT.

(C) First Final Flow Pressure 44.47 PSI AK1 Recorder No. 5495 Range 4200

(D) Initial Shut-in Pressure 815.94 PSI @ (depth) 5833 w / Clock No. 3942

(E) Second Initial Flow Pressure 33.68 PSI AK1 Recorder No. 11038 Range 5075

(F) Second Final Flow Pressure 57.06 PSI @ (depth) 5870 w / Clock No. 25813

(G) Final Shut-in Pressure 926.72 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2778.51 PSI Initial Shut-in 45 Final Shut-in 60

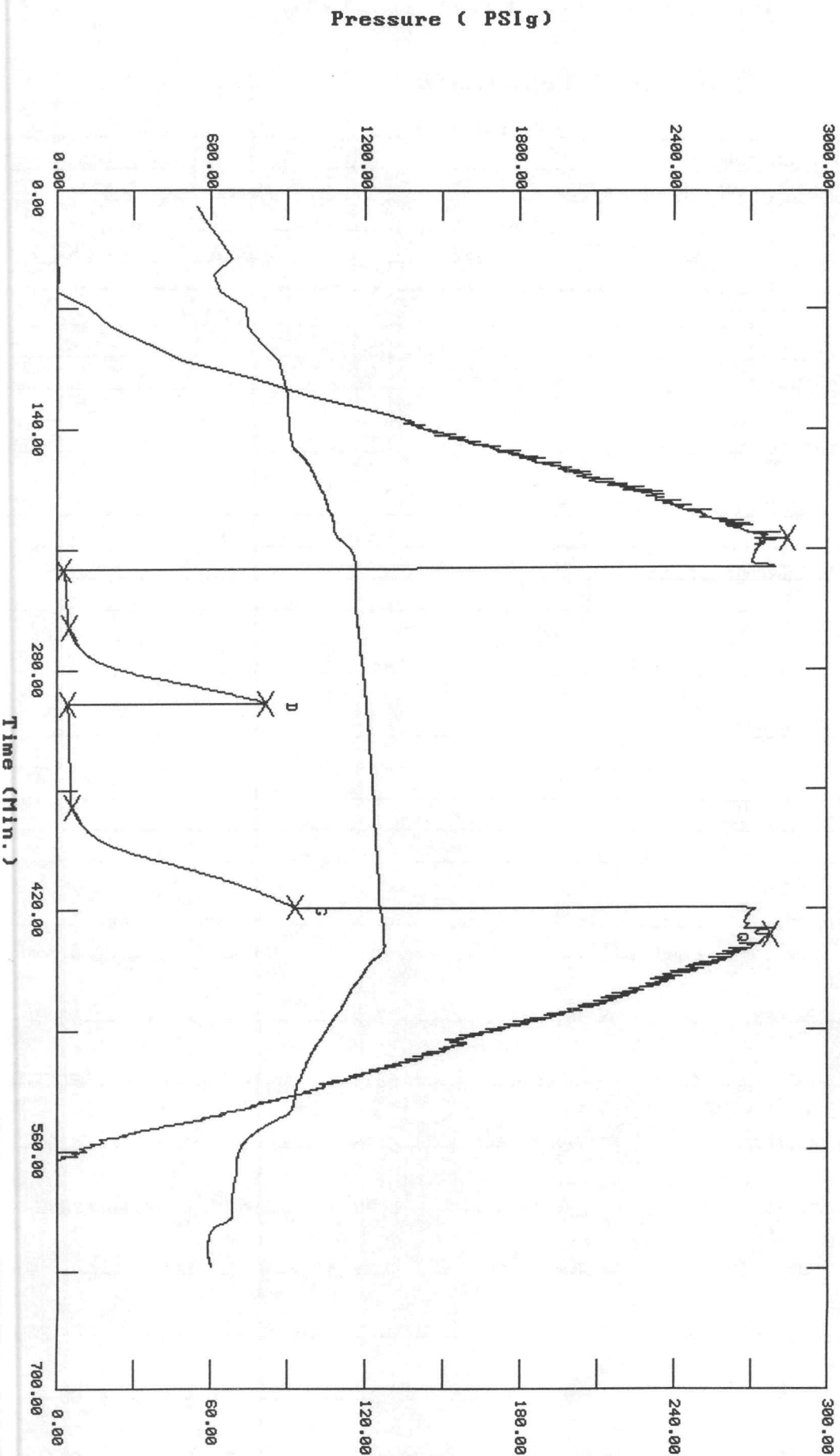
Our Representative TOM HORACEK

TEST HISTORY

Murfin Drilg./Canyon Energy Inc. OXY-KANE #2-36 DST # 5

Flag Points

t(Min.)	P(PSig)
A: 0.00	2842.88
B: 0.00	22.65
C: 33.50	44.47
D: 44.00	815.94
E: 0.00	38.68
F: 60.00	57.06
G: 58.50	926.72
Q: 0.00	2776.51



 ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drilg./Canyon Energy Inc. OXY-KANE #2-36 DST # 5

DATE: 03/01/95 TIME: 22:02:41

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Initial Hydro.	204.00		2842.9	0.0	110.12
***** Start Flow 1					
	0.00		22.7	0.0	116.42
	0.50		23.9	1.3	116.42
	1.00		24.9	2.3	116.42
	1.50		25.8	3.1	116.42
	2.00		26.4	3.8	116.42
	2.50		27.0	4.4	116.42
	3.00		27.7	5.0	116.24
	3.50		28.3	5.6	116.24
	4.00		28.9	6.3	116.24
	4.50		29.5	6.9	116.24
	5.00		30.1	7.5	116.24
	5.50		30.6	8.0	116.24
	6.00		31.1	8.5	116.24
	6.50		31.5	8.9	116.24
	7.00		31.9	9.2	116.06
	7.50		32.3	9.7	116.06
	8.00		32.6	10	116.06
	8.50		33.1	10.4	116.06
	9.00		33.3	10.7	116.06
	9.50		33.8	11.2	116.06
	10.00		34.1	11.4	116.06
	10.50		34.3	11.7	116.06
	11.00		34.6	11.9	116.06
	11.50		34.7	12.1	116.06
	12.00		35.0	12.3	116.06
	12.50		35.1	12.4	116.06
	13.00		35.3	12.7	116.06
	13.50		35.3	12.7	116.06
	14.00		35.6	12.9	116.06
	14.50		35.8	13.2	116.24
	15.00		36.1	13.4	116.24
	15.50		36.3	13.7	116.24
	16.00		36.2	13.5	116.24
	16.50		36.3	13.7	116.24
	17.00		36.7	14.0	116.24
	17.50		36.7	14.0	116.24
	18.00		36.6	13.9	116.24
	18.50		35.8	13.2	116.24
	19.00		35.5	12.8	116.24
	19.50		35.2	12.5	116.42
	20.00		34.9	12.3	116.42
	20.50		34.4	11.7	116.42
	21.00		35.7	13.1	116.42
	21.50		35.7	13.1	116.42
	22.00		36.4	13.8	116.42
	22.50		37.2	14.5	116.42
	23.00		37.9	15.3	116.60
	23.50		38.7	16.0	116.60
	24.00		38.8	16.1	116.60
	24.50		38.8	16.1	116.60

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drilg./Canyon Energy Inc. OXY-KANE #2-36 DST # 5

DATE: 03/01/95TIME: 22:02:41

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶		
			25.00	38.7	16.0	116.60	
			25.50	38.7	16.0	116.60	
			26.00	38.7	16.0	116.78	
			26.50	38.7	16.0	116.78	
			27.00	38.7	16.0	116.78	
			27.50	38.8	16.1	116.78	
			28.00	38.8	16.2	116.78	
			28.50	38.9	16.3	116.78	
			29.00	39.1	16.4	116.96	
			29.50	39.3	16.6	116.96	
			30.00	39.4	16.8	116.96	
			30.50	39.7	17.0	116.96	
			31.00	39.5	16.9	116.96	
			31.50	39.7	17.0	117.14	
			32.00	40.4	17.8	117.14	
			32.50	41.8	19.1	117.14	
			33.00	43.1	20.5	117.14	
***** End Flow 1			33.50	44.5	21.8	117.32	
***** Start Shutin 1			0.00	44.5	0.0	117.32	0.0000 0.002
			0.50	45.9	1.4	117.32	68.0000 0.002
			1.00	47.2	2.8	117.32	34.5000 0.002
			1.50	48.6	4.1	117.32	23.3333 0.002
			2.00	50.1	5.6	117.32	17.7500 0.003
			2.50	51.4	7.0	117.50	14.4000 0.003
			3.00	53.0	8.6	117.50	12.1667 0.003
			3.50	54.5	10	117.50	10.5714 0.003
			4.00	55.9	11.4	117.50	9.3750 0.003
			4.50	57.6	13.1	117.50	8.4444 0.003
			5.00	59.1	14.6	117.68	7.7000 0.003
			5.50	60.8	16.3	117.68	7.0909 0.004
			6.00	62.5	18.0	117.68	6.5833 0.004
			6.50	64.4	20.0	117.68	6.1538 0.004
			7.00	66.3	21.8	117.86	5.7857 0.004
			7.50	68.3	23.8	117.86	5.4667 0.005
			8.00	70.4	25.9	117.86	5.1875 0.005
			8.50	72.6	28.1	117.86	4.9412 0.005
			9.00	74.9	30.4	117.86	4.7222 0.006
			9.50	77.3	32.8	118.04	4.5263 0.006
			10.00	79.7	35.2	118.04	4.3500 0.006
			10.50	82.3	37.9	118.04	4.1905 0.007
			11.00	85.1	40.6	118.04	4.0455 0.007
			11.50	87.9	43.4	118.22	3.9130 0.008
			12.00	90.8	46.3	118.22	3.7917 0.008
			12.50	93.9	49.4	118.22	3.6800 0.009
			13.00	97.2	52.7	118.22	3.5769 0.009
			13.50	100.6	56.1	118.22	3.4815 0.010
			14.00	104.2	59.8	118.40	3.3929 0.011
			14.50	108.1	63.6	118.40	3.3103 0.012
			15.00	112.0	67.6	118.40	3.2333 0.013
			15.50	116.3	71.8	118.40	3.1613 0.014
			16.00	120.8	76.4	118.58	3.0938 0.015

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drilg./Canyon Energy Inc. OXY-KANE #2-36 DST # 5

DATE: 03/01/95 TIME: 22:02:41

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6	
16.50			125.7	81.2	118.58	3.0303 0.016
17.00			130.8	86.3	118.58	2.9706 0.017
17.50			136.1	91.6	118.58	2.9143 0.019
18.00			141.7	97.2	118.58	2.8611 0.020
18.50			147.7	103.2	118.76	2.8108 0.022
19.00			154.1	109.6	118.76	2.7632 0.024
19.50			160.7	116.2	118.76	2.7179 0.026
20.00			167.8	123.3	118.76	2.6750 0.028
20.50			175.2	130.8	118.76	2.6341 0.031
21.00			183.2	138.7	118.94	2.5952 0.034
21.50			191.7	147.2	118.94	2.5581 0.037
22.00			200.6	156.1	118.94	2.5227 0.040
22.50			210.1	165.6	118.94	2.4889 0.044
23.00			220.1	175.6	119.12	2.4565 0.048
23.50			230.6	186.2	119.12	2.4255 0.053
24.00			241.6	197.1	119.12	2.3958 0.058
24.50			253.3	208.8	119.12	2.3673 0.064
25.00			265.4	220.9	119.12	2.3400 0.070
25.50			278.1	233.7	119.30	2.3137 0.077
26.00			291.3	246.8	119.30	2.2885 0.085
26.50			304.9	260.4	119.30	2.2642 0.093
27.00			318.9	274.4	119.30	2.2407 0.102
27.50			333.4	288.9	119.30	2.2182 0.111
28.00			348.3	303.8	119.48	2.1964 0.121
28.50			363.5	319.0	119.48	2.1754 0.132
29.00			378.9	334.5	119.48	2.1552 0.144
29.50			394.6	350.1	119.48	2.1356 0.156
30.00			410.7	366.2	119.48	2.1167 0.169
30.50			426.7	382.2	119.66	2.0984 0.182
31.00			442.9	398.4	119.66	2.0806 0.196
31.50			459.1	414.6	119.66	2.0635 0.211
32.00			475.4	431.0	119.66	2.0469 0.226
32.50			491.7	447.3	119.84	2.0308 0.242
33.00			508.1	463.6	119.84	2.0152 0.258
33.50			524.3	479.8	119.84	2.0000 0.275
34.00			540.5	496.0	119.84	1.9853 0.292
34.50			556.9	512.5	119.84	1.9710 0.310
35.00			573.0	528.5	120.02	1.9571 0.328
35.50			589.1	544.6	120.02	1.9437 0.347
36.00			604.9	560.4	120.02	1.9306 0.366
36.50			620.3	575.8	120.02	1.9178 0.385
37.00			635.6	591.1	120.02	1.9054 0.404
37.50			650.6	606.1	120.20	1.8933 0.423
38.00			665.5	621.0	120.20	1.8816 0.443
38.50			680.1	635.6	120.20	1.8701 0.462
39.00			694.5	650.0	120.20	1.8590 0.482
39.50			708.7	664.2	120.20	1.8481 0.502
40.00			722.7	678.2	120.38	1.8375 0.522
40.50			736.4	691.9	120.38	1.8272 0.542
41.00			750.0	705.5	120.38	1.8171 0.562
41.50			763.4	718.9	120.38	1.8072 0.583

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drilg./Canyon Energy Inc. OXY-KANE #2-36 DST # 5

DATE: 03/01/95 TIME: 22:02:41

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6		
			42.00	776.6	732.1	120.38	1.7976
			42.50	789.5	745.0	120.56	1.7882
			43.00	802.3	757.9	120.56	1.7791
			43.50	815.0	770.5	120.56	1.7701
***** End Shut-in 1			44.00	815.9	771.5	120.56	1.7614
***** Start Flow 2			0.00	38.7	0.0	120.56	
			0.50	40.4	1.7	120.56	
			1.00	39.6	0.9	120.56	
			1.50	40.9	2.2	120.56	
			2.00	42.3	3.6	120.74	
			2.50	42.4	3.7	120.74	
			3.00	42.5	3.9	120.74	
			3.50	42.6	3.9	120.74	
			4.00	42.4	3.7	120.74	
			4.50	42.5	3.8	120.74	
			5.00	43.8	5.1	120.74	
			5.50	43.7	5.0	120.74	
			6.00	43.0	4.3	120.74	
			6.50	42.8	4.1	120.92	
			7.00	43.7	5.0	120.92	
			7.50	44.7	6.0	120.92	
			8.00	45.2	6.5	120.92	
			8.50	45.4	6.7	120.92	
			9.00	45.6	6.9	120.92	
			9.50	45.7	7.1	121.10	
			10.00	45.8	7.1	121.10	
			10.50	46.1	7.4	121.10	
			11.00	46.3	7.6	121.10	
			11.50	46.6	7.9	121.10	
			12.00	46.6	8.0	121.10	
			12.50	46.6	8.0	121.10	
			13.00	46.8	8.1	121.28	
			13.50	47.0	8.3	121.28	
			14.00	47.2	8.5	121.28	
			14.50	47.3	8.6	121.28	
			15.00	47.5	8.8	121.28	
			15.50	47.6	8.9	121.28	
			16.00	47.7	9.0	121.46	
			16.50	47.8	9.1	121.46	
			17.00	48.0	9.3	121.46	
			17.50	47.8	9.1	121.46	
			18.00	47.6	8.9	121.46	
			18.50	47.4	8.7	121.46	
			19.00	47.0	8.3	121.46	
			19.50	46.6	8.0	121.64	
			20.00	46.6	8.0	121.64	
			20.50	46.6	7.9	121.64	
			21.00	46.6	7.9	121.64	
			21.50	46.6	7.9	121.64	
			22.00	46.7	8.1	121.64	
			22.50	46.7	8.1	121.64	

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drilg./Canyon Energy Inc. OXY-KANE #2-36 DST # 5

DATE: 03/01/95 TIME: 22:02:41

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6		
			48.50	51.8	13.1	122.90	
			49.00	51.7	13.0	122.90	
			49.50	51.5	12.8	122.90	
			50.00	51.5	12.8	123.08	
			50.50	51.6	12.9	123.08	
			51.00	51.9	13.2	123.08	
			51.50	52.4	13.7	123.08	
			52.00	52.8	14.1	123.08	
			52.50	53.2	14.5	123.08	
			53.00	53.3	14.6	123.08	
			53.50	53.4	14.7	123.08	
			54.00	53.4	14.7	123.26	
			54.50	53.3	14.6	123.26	
			55.00	53.3	14.6	123.26	
			55.50	53.3	14.6	123.26	
			56.00	53.5	14.8	123.26	
			56.50	53.5	14.9	123.26	
			57.00	53.7	15.0	123.26	
			57.50	54.0	15.4	123.26	
			58.00	54.2	15.5	123.26	
			58.50	54.4	15.7	123.44	
			59.00	54.5	15.8	123.44	
			59.50	55.6	17.0	123.44	
***** End Flow 2			60.00	57.1	18.4	123.44	
***** Start Shutin 2	0.00		57.1	0.0	123.44	0.0000	0.003
	0.50		58.5	1.4	123.44	188.0000	0.003
	1.00		59.9	2.9	123.44	94.5000	0.004
	1.50		61.4	4.4	123.44	63.3333	0.004
	2.00		62.9	5.9	123.44	47.7500	0.004
	2.50		64.4	7.4	123.44	38.4000	0.004
	3.00		66.0	9.0	123.62	32.1667	0.004
	3.50		67.6	10.6	123.62	27.7143	0.005
	4.00		69.2	12.2	123.62	24.3750	0.005
	4.50		71.0	13.9	123.62	21.7778	0.005
	5.00		72.8	15.7	123.62	19.7000	0.005
	5.50		74.6	17.5	123.62	18.0000	0.006
	6.00		76.4	19.4	123.62	16.5833	0.006
	6.50		78.5	21.4	123.62	15.3846	0.006
	7.00		80.5	23.4	123.62	14.3571	0.006
	7.50		82.7	25.6	123.80	13.4667	0.007
	8.00		84.8	27.8	123.80	12.6875	0.007
	8.50		87.0	30.0	123.80	12.0000	0.008
	9.00		89.5	32.4	123.80	11.3889	0.008
	9.50		92.0	34.9	123.80	10.8421	0.008
	10.00		94.5	37.4	123.80	10.3500	0.009
	10.50		97.2	40.1	123.80	9.9048	0.009
	11.00		99.9	42.9	123.80	9.5000	0.01
	11.50		102.8	45.7	123.80	9.1304	0.011
	12.00		105.8	48.8	123.80	8.7917	0.011
	12.50		109.1	52.0	123.98	8.4800	0.012
	13.00		112.5	55.4	123.98	8.1923	0.013

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drilg./Canyon Energy Inc. OXY-KANE #2-36 DST # 5

DATE: 03/01/95 TIME: 22:02:41

Time	Pressure PSig	delta P PSig	Temp. DEG F	(T+dT)/dT	P^2/10^6	
13.50			115.9	58.8	123.98	7.9259 0.013
14.00			119.5	62.4	123.98	7.6786 0.014
14.50			123.3	66.2	123.98	7.4483 0.015
15.00			127.1	70.1	123.98	7.2333 0.016
15.50			131.3	74.3	123.98	7.0323 0.017
16.00			135.8	78.7	123.98	6.8438 0.018
16.50			140.2	83.2	123.98	6.6667 0.020
17.00			145.1	88.0	124.16	6.5000 0.021
17.50			150.1	93.0	124.16	6.3429 0.023
18.00			155.3	98.2	124.16	6.1944 0.024
18.50			160.9	103.8	124.16	6.0541 0.026
19.00			166.6	109.5	124.16	5.9211 0.028
19.50			172.6	115.6	124.16	5.7949 0.030
20.00			178.9	121.9	124.16	5.6750 0.032
20.50			185.6	128.6	124.16	5.5610 0.034
21.00			192.5	135.5	124.16	5.4524 0.037
21.50			199.7	142.7	124.34	5.3488 0.040
22.00			207.2	150.1	124.34	5.2500 0.043
22.50			215.1	158.0	124.34	5.1556 0.046
23.00			223.3	166.3	124.34	5.0652 0.050
23.50			231.7	174.7	124.34	4.9787 0.054
24.00			240.5	183.5	124.34	4.8958 0.058
24.50			249.8	192.7	124.34	4.8163 0.062
25.00			259.2	202.1	124.34	4.7400 0.067
25.50			269.0	211.9	124.34	4.6667 0.072
26.00			279.1	222.1	124.52	4.5962 0.078
26.50			289.5	232.4	124.52	4.5283 0.084
27.00			300.1	243.1	124.52	4.4630 0.090
27.50			311.0	254.0	124.52	4.4000 0.097
28.00			322.2	265.1	124.52	4.3393 0.104
28.50			333.5	276.5	124.52	4.2807 0.111
29.00			345.1	288.0	124.52	4.2241 0.119
29.50			356.9	299.8	124.52	4.1695 0.127
30.00			368.7	311.6	124.52	4.1167 0.136
30.50			380.7	323.6	124.70	4.0656 0.145
31.00			392.8	335.7	124.70	4.0161 0.154
31.50			404.9	347.9	124.70	3.9683 0.164
32.00			417.1	360.1	124.70	3.9219 0.174
32.50			429.4	372.3	124.70	3.8769 0.184
33.00			441.6	384.6	124.70	3.8333 0.195
33.50			453.9	396.8	124.70	3.7910 0.206
34.00			466.1	409.1	124.70	3.7500 0.217
34.50			478.3	421.2	124.70	3.7101 0.229
35.00			490.5	433.4	124.88	3.6714 0.241
35.50			502.4	445.3	124.88	3.6338 0.252
36.00			514.5	457.4	124.88	3.5972 0.265
36.50			526.2	469.2	124.88	3.5616 0.277
37.00			538.1	481.0	124.88	3.5270 0.290
37.50			549.6	492.6	124.88	3.4933 0.302
38.00			561.2	504.2	124.88	3.4605 0.315
38.50			572.5	515.5	124.88	3.4286 0.328

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: Murfin Drilg./Canyon Energy Inc. OXY-KANE #2-36 DST # 5

DATE: 03/01/95 TIME: 22:02:41

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P ² /10 ⁶		
			39.00	583.9	526.8	125.06	3.3974
			39.50	595.0	537.9	125.06	3.3671
			40.00	606.0	549.0	125.06	3.3375
			40.50	616.9	559.8	125.06	3.3086
			41.00	627.5	570.5	125.06	3.2805
			41.50	638.1	581.0	125.06	3.2530
			42.00	648.5	591.4	125.06	3.2262
			42.50	658.9	601.8	125.06	3.2000
			43.00	669.1	612.0	125.06	3.1744
			43.50	679.0	621.9	125.24	3.1494
			44.00	688.9	631.8	125.24	3.1250
			44.50	698.6	641.5	125.24	3.1011
			45.00	708.2	651.1	125.24	3.0778
			45.50	717.7	660.6	125.24	3.0549
			46.00	727.1	670.0	125.24	3.0326
			46.50	736.3	679.2	125.24	3.0108
			47.00	745.4	688.3	125.24	2.9894
			47.50	754.4	697.4	125.24	2.9684
			48.00	763.2	706.2	125.42	2.9479
			48.50	771.9	714.8	125.42	2.9278
			49.00	780.6	723.5	125.42	2.9082
			49.50	789.0	731.9	125.42	2.8889
			50.00	797.4	740.3	125.42	2.8700
			50.50	805.8	748.7	125.42	2.8515
			51.00	814.0	756.9	125.42	2.8333
			51.50	822.1	765.0	125.42	2.8155
			52.00	830.0	773.0	125.42	2.7981
			52.50	838.0	780.9	125.42	2.7810
			53.00	845.8	788.8	125.60	2.7642
			53.50	853.5	796.5	125.60	2.7477
			54.00	861.3	804.2	125.60	2.7315
			54.50	868.7	811.7	125.60	2.7156
			55.00	876.3	819.2	125.60	2.7000
			55.50	883.8	826.7	125.60	2.6847
			56.00	891.1	834.1	125.60	2.6696
			56.50	898.3	841.2	125.60	2.6549
			57.00	905.5	848.4	125.60	2.6404
			57.50	912.7	855.6	125.60	2.6261
			58.00	919.7	862.6	125.78	2.6121
***** End Shut-in 2			58.50	926.7	869.7	125.78	2.5983
***** Final Hydro.	435.00			2778.5	0.0	127.04	

FLUID SAMPLER DATA

Ticket No.: 7397

Date: 3/2/95

Company: MURFIN DRILLING / CANYON INC

Lease: OXY-KANE 2-36

Test No.: 5

County: SEWARD

Sec.: 36

Twp.: 32S

Rng.: 33W

SAMPLER RECOVERY

Gas ML

Oil ML

Mud 400 ML

Water ML

Other ML

Pressure 725 PSI

TOTAL 4000 ML

SAMPLER ANALYSIS

Resistivity ohms@ F

Chlorides ppm.

Gravity corrected @60F

PIT MUD ANALYSIS

Chlorides 6000

Resistivit ohms@ F

Viscosity 57

Mud Wt. 8.8

Filtrate 8.5

Other

PIPE RECOVERY

TOP

Resistivit ohms@ F

Chlorides ppm.

MIDDLE

Resistivit ohms@ F

Chlorides ppm.

BOTTOM

Resistivit ohms@ F

Chlorides ppm.