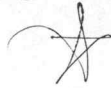
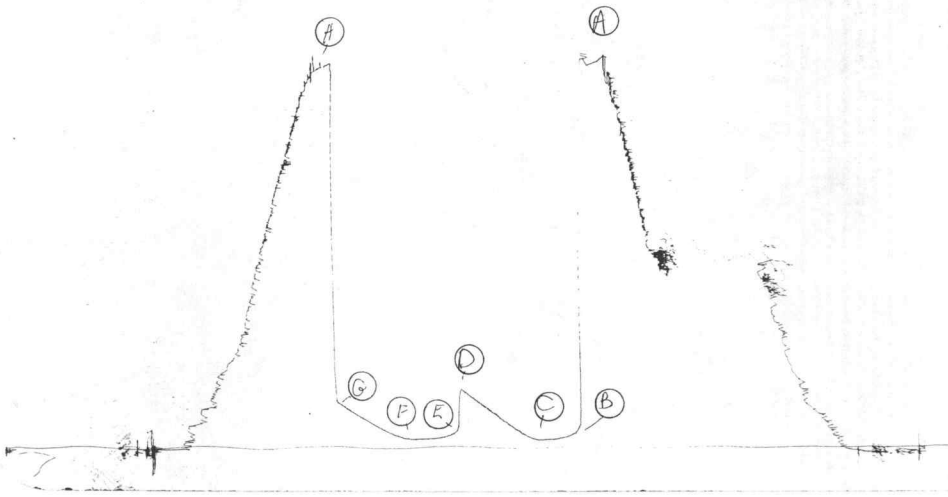


2609 DST#1



Ticket # 21129

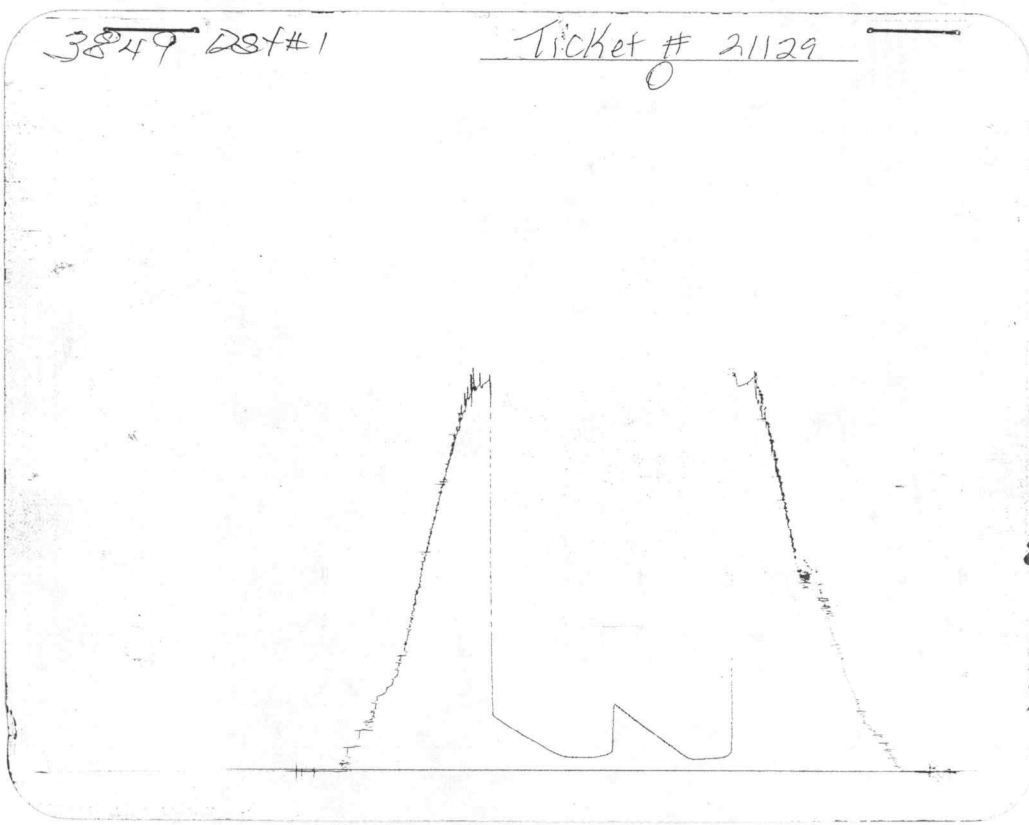
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Inside Recorder

3849 DST#1

Ticket # 21129



Outside Recorder

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date \_\_\_\_\_ Test Ticket No. 21129  
 Recorder No. 2604 Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft. \_\_\_\_\_  
 Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2122</u> P.S.I.		M
B First Initial Flow Pressure	P.S.I.	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.		
G Final Closed-in Pressure	P.S.I.		
H Final Hydrostatic Mud	<u>2092</u> P.S.I.		

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1	<u>117</u>	0	<u>44</u>	0	<u>99</u>	0	<u>46</u>	0
P 2	<u>79</u>	5	<u>48</u>	3	<u>74</u>	5	<u>46</u>	3
P 3	<u>63</u>	10	<u>55</u>	6	<u>59</u>	10	<u>51</u>	6
P 4	<u>54</u>	15	<u>66</u>	9	<u>54</u>	15	<u>53</u>	9
P 5	<u>49</u>	20	<u>78</u>	12	<u>51</u>	20	<u>60</u>	12
P 6	<u>46</u>	25	<u>92</u>	15	<u>48</u>	25	<u>67</u>	15
P 7	<u>44</u>	30	<u>106</u>	18	<u>46</u>	30	<u>76</u>	18
P 8	-	35	<u>123</u>	21	-	35	<u>85</u>	21
P 9		40	<u>138</u>	24		40	<u>97</u>	24
P10		45	<u>152</u>	27		45	<u>107</u>	27
P11		50	<u>170</u>	30		50	<u>121</u>	30
P12		55	<u>188</u>	33		55	<u>135</u>	33
P13		60	<u>204</u>	36		60	<u>149</u>	36
P14		65	<u>225</u>	39		65	<u>163</u>	39
P15		70	<u>237</u>	42		70	<u>174</u>	42
P16		75	<u>253</u>	45		75	<u>188</u>	45
P17		80	<u>271</u>	48		80	<u>202</u>	48
P18		85	<u>287</u>	51		85	<u>218</u>	51
P19		90	<u>306</u>	54		90	<u>233</u>	54
		95	<u>321</u>	57		95	<u>247</u>	57
		100	<u>327</u>	60		100	<u>254</u>	60

DST REPORT

GENERAL INFORMATION

DATE : 11-6-95  
CUSTOMER : SPURLOCK OIL COMPANY  
WELL : #1-25 TEST: 1  
ELEVATION: 2055 GL  
SECTION : 25  
RANGE : 23W COUNTY: CLARK  
GAUGE SN#: 2604 RANGE : 4150  
TICKET : 21129  
LEASE : HARRINGTON  
GEOLOGIST: DOUGLAS DAVIS  
FORMATION: LANSING  
TOWNSHIP : 32  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4466.00 ft TO: 4483.00 ft TVD: 4483.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4472.0 ft 4475.0 ft  
TEMPERATURE: 120.0  
DRILL COLLAR LENGTH: 620.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 3818.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 28.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 17.0 ft ANCHOR SIZE: 5.500 in  
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in  
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH  
PACKER DEPTH: 4461.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4466.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : BEREDCO #2  
MUD TYPE : CHEMICAL  
WEIGHT : 8.900 ppg  
CHLORIDES : 5000 ppm  
JARS-MAKE : WTC  
DID WELL FLOW?: NO  
VISCOSITY : 45.00 cp  
WATER LOSS: 8.800 cc  
SERIAL NUMBER: 411  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW IN 1 1/2 MINUTE.  
FINAL FLOW PERIOD-STRONG BLOW. NO GAS TO SURFACE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	400FT GAS ABOVE FLUID MUD
95.0	0.0	0.0	0.0	100.0	

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.4672	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.4672	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2105.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	74.00	53.00
INITIAL SHUT-IN	60.00		320.00
FINAL FLOW	30.00	53.00	53.00
FINAL SHUT-IN	60.00		245.00

FINAL HYDROSTATIC PRESSURE: 2084.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2122.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	117.00	44.00
INITIAL SHUT-IN	60.00		327.00
FINAL FLOW	30.00	99.00	46.00
FINAL SHUT-IN	60.00		254.00

FINAL HYDROSTATIC PRESSURE: 2092.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 11-6-95	TICKET	: 21129
CUSTOMER	: SPURLOCK OIL COMPANY	LEASE	: HARRINGTON
WELL	: #1-25	TEST:	1
ELEVATION:	2055 GL	GEOLOGIST:	DOUGLAS DAVIS
SECTION	: 25	FORMATION:	LANSING
RANGE	: 23W	COUNTY:	CLARK
GAUGE SN#:	2604	RANGE	: 4150
		STATE	: KS
		CLOCK	: 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	117.00	117.00
5.00	79.00	-38.00
10.00	63.00	-16.00
15.00	54.00	-9.00
20.00	49.00	-5.00
25.00	46.00	-3.00
30.00	44.00	-2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	48.00	48.00	0.00
6.00	55.00	7.00	0.00
9.00	66.00	11.00	0.00
12.00	78.00	12.00	0.00
15.00	92.00	14.00	0.00
18.00	106.00	14.00	0.00
21.00	123.00	17.00	0.00
24.00	138.00	15.00	0.00
27.00	152.00	14.00	0.00
30.00	170.00	18.00	0.00
33.00	188.00	18.00	0.00
36.00	204.00	16.00	0.00
39.00	225.00	21.00	0.00
42.00	237.00	12.00	0.00
45.00	253.00	16.00	0.00
48.00	271.00	18.00	0.00
51.00	287.00	16.00	0.00
54.00	306.00	19.00	0.00
57.00	321.00	15.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	327.00	6.00	0.00

FINAL FLOW

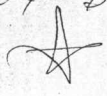
Time (min)	Pressure	Delta P
0.00	99.00	99.00
5.00	74.00	-25.00
10.00	59.00	-15.00
15.00	54.00	-5.00
20.00	51.00	-3.00
25.00	48.00	-3.00
30.00	46.00	-2.00

FINAL SHUT IN

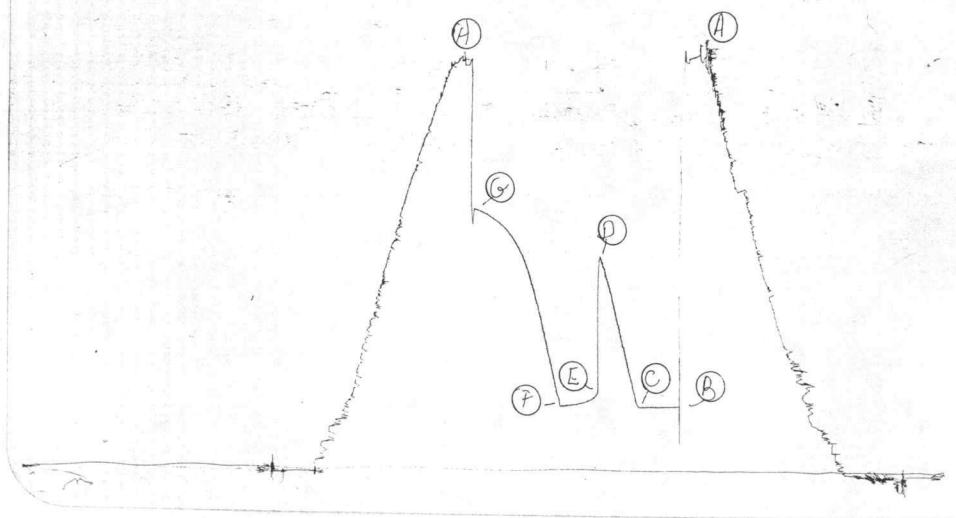
Time (min)	Pressure	Delta P	Horner T
3.00	46.00	46.00	0.00
6.00	51.00	5.00	0.00
9.00	53.00	2.00	0.00
12.00	60.00	7.00	0.00
15.00	67.00	7.00	0.00
18.00	76.00	9.00	0.00
21.00	85.00	9.00	0.00
24.00	97.00	12.00	0.00
27.00	107.00	10.00	0.00
30.00	121.00	14.00	0.00
33.00	135.00	14.00	0.00
36.00	149.00	14.00	0.00
39.00	163.00	14.00	0.00
42.00	174.00	11.00	0.00
45.00	188.00	14.00	0.00
48.00	202.00	14.00	0.00
51.00	218.00	16.00	0.00
54.00	233.00	15.00	0.00
57.00	247.00	14.00	0.00
60.00	254.00	7.00	0.00

2604 DST#2

Ticket# 21130



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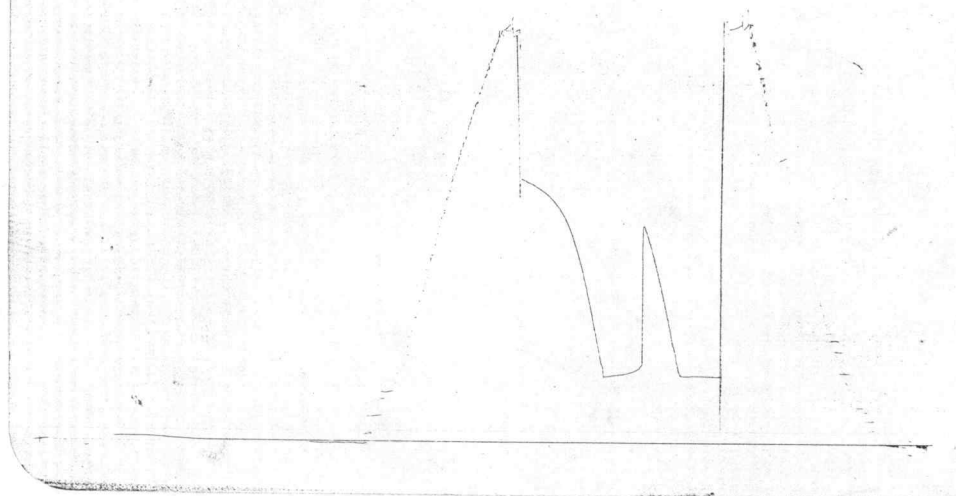


Inside Recorder

3877 DST#2

Ticket# 21130

0



Outside Recorder

# WESTERN TESTING CO., INC.

## Pressure Data

Date 11-7-95

Test Ticket No. 21130

Recorder No. 3604 Capacity 4150

Location 4700-4724 Ft.

Clock No. \_\_\_\_\_ Elevation 2055 Gk

Well Temperature 124 °F

Point	Pressure	P.S.I.	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2314</u>	P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>320</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	Mins.
C First Final Flow Pressure	<u>320</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	Mins.
D Initial Closed-in Pressure	<u>1160</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins.	Mins.
E Second Initial Flow Pressure	<u>373</u>	P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	Mins.
F Second Final Flow Pressure	<u>320</u>	P.S.I.			
G Final Closed-in Pressure	<u>1422</u>	P.S.I.			
H Final Hydrostatic Mud	<u>2263</u>	P.S.I.			

### PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>363</u>	0	<u>363</u>	0	<u>416</u>	0	<u>416</u>
P 2 5	<u>363</u>	3	<u>474</u>	5	<u>373</u>	3	<u>416</u>
P 3 10	<u>363</u>	6	<u>502</u>	10	<u>363</u>	6	<u>491</u>
P 4 15	<u>363</u>	9	<u>668</u>	15	<u>363</u>	9	<u>564</u>
P 5 20	<u>363</u>	12	<u>731</u>	20	<u>363</u>	12	<u>668</u>
P 6 25	<u>363</u>	15	<u>817</u>	25	<u>363</u>	15	<u>746</u>
P 7 30	<u>363</u>	18	<u>878</u>	30	<u>363</u>	18	<u>872</u>
P 8 35		21	<u>966</u>	35		21	<u>941</u>
P 9 40		24	<u>1041</u>	40		24	<u>1014</u>
P10 45		27	<u>1125</u>	45		27	<u>1066</u>
P11 50		30	<u>1175</u>	50		30	<u>1156</u>
P12 55		33		55		33	<u>1192</u>
P13 60		36		60		36	<u>1227</u>
P14 65		39		65		39	<u>1265</u>
P15 70		42		70		42	<u>1296</u>
P16 75		45		75		45	<u>1317</u>
P17 80		48		80		48	<u>1359</u>
P18 85		51		85		51	<u>1365</u>
P19 90		54		90		54	<u>1380</u>
P20 95		57		95		57	<u>1395</u>
100		60		100		60	<u>1401</u>

DST REPORT

GENERAL INFORMATION

DATE	: 11/7/95	TICKET	: 21130
CUSTOMER	: SPURLOCK OIL COMPANY	LEASE	: HARRINGTON
WELL	: #1-25	TEST:	2
ELEVATION:	2055 GL	GEOLOGIST:	DOUGLAS DAVIS
SECTION	: 25	FORMATION:	KANSAS CITY (IOLA)
RANGE	: 23W	COUNTY:	CLARK
GAUGE SN#:	2604	TOWNSHIP	: 32
		STATE	: KS
		RANGE	: 4150
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4700.00 ft	TO:	4724.00 ft	TVD:	4724.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4715.0 ft		4718.0 ft		
TEMPERATURE:	126.0				
DRILL COLLAR LENGTH:	620.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4052.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	24.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	4695.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4700.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	BEREDCO RIG 2	VISCOSITY :	44.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	11.200 cc
WEIGHT :	9.100 ppg	SERIAL NUMBER:	411
CHLORIDES :	7000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 1/2 INCH BLOW- DIED IN 15 MINUTES. FINAL FLOW PERIOD WEAK SURFACE BLOW THROUGHOUT.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	%	%	%	%	Comments
	Oil	Gas	Water	Mud	
280.0	0.0	5.0	0.0	95.0	MUD
293.0	5.0	15.0	0.0	80.0	GAS CUT MUD
180.0	20.0	30.0	0.0	50.0	HEAVY GAS & OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.2491	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	3.4312	SCF	AVERAGE OIL RATE:	44.2632	STB/D
MUD VOLUME:	4.0542	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	4.3033	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2316.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	320.00	320.00
INITIAL SHUT-IN	30.00		1160.00
FINAL FLOW	30.00	373.00	320.00
FINAL SHUT-IN	60.00		1422.00

FINAL HYDROSTATIC PRESSURE: 2263.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2316.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	363.00	363.00
INITIAL SHUT-IN	30.00		1175.00
FINAL FLOW	30.00	416.00	363.00
FINAL SHUT-IN	60.00		1401.00

FINAL HYDROSTATIC PRESSURE: 2263.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 11/7/95	TICKET	: 21130
CUSTOMER	: SPURLOCK OIL COMPANY	LEASE	: HARRINGTON
WELL	: #1-25	TEST:	2
ELEVATION:	2055 GL	GEOLOGIST:	DOUGLAS DAVIS
SECTION	: 25	FORMATION:	KANSAS CITY (IOLA)
RANGE	: 23W	TOWNSHIP	: 32
GAUGE SN#:	2604	STATE	: KS
	COUNTY: CLARK	CLOCK	: 12
	RANGE : 4150		

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	363.00	363.00
5.00	363.00	0.00
10.00	363.00	0.00
15.00	363.00	0.00
20.00	363.00	0.00
25.00	363.00	0.00
30.00	363.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	474.00	474.00	11.00
6.00	561.00	87.00	6.00
9.00	668.00	107.00	4.33
12.00	738.00	70.00	3.50
15.00	817.00	79.00	3.00
18.00	882.00	65.00	2.67
21.00	966.00	84.00	2.43
24.00	1041.00	75.00	2.25
27.00	1124.00	83.00	2.11
30.00	1175.00	51.00	2.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	416.00	416.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	373.00	-43.00
10.00	363.00	-10.00
15.00	363.00	0.00
20.00	363.00	0.00
25.00	363.00	0.00
30.00	363.00	0.00

FINAL SHUT IN

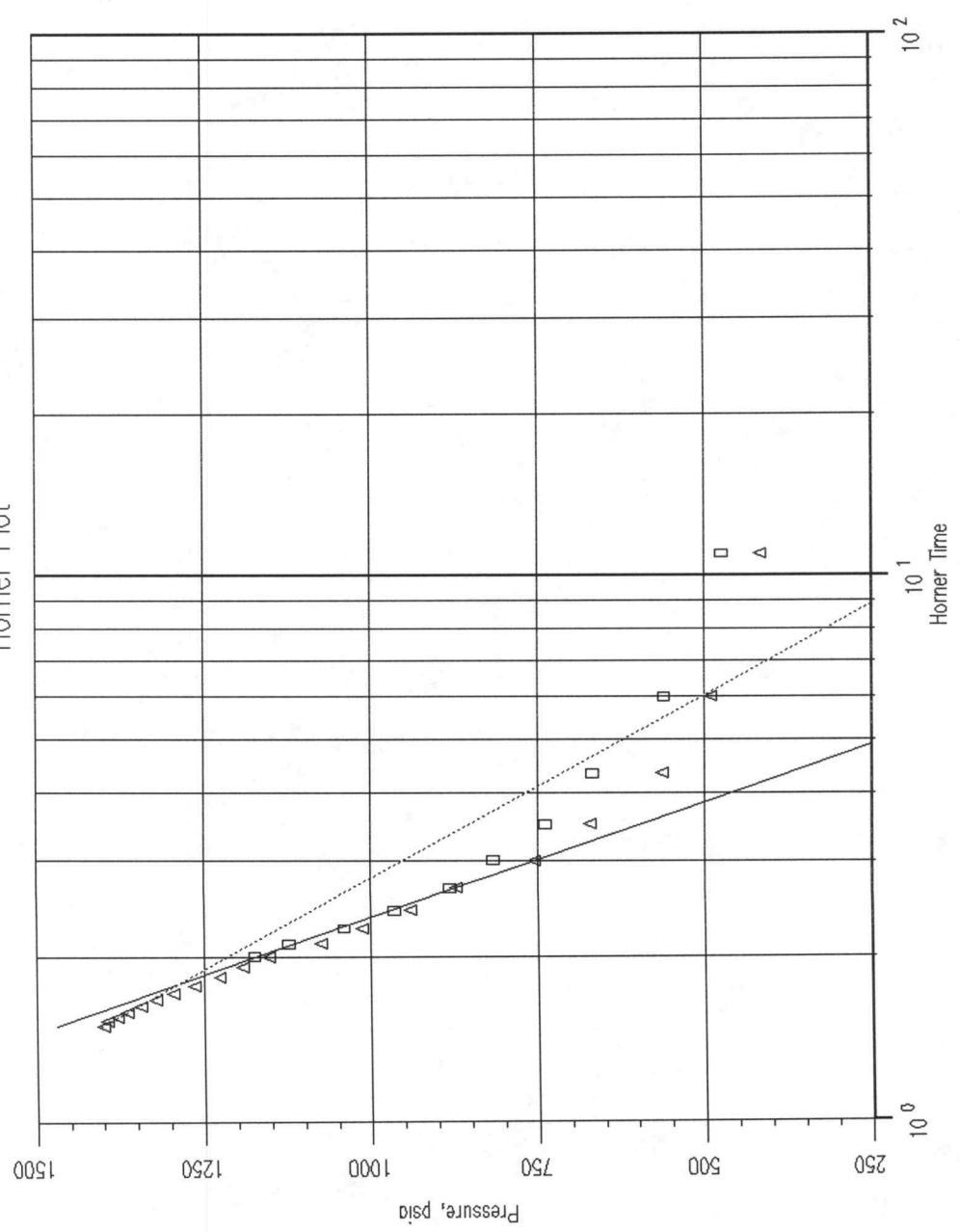
Time (min)	Pressure	Delta P	Horner T
3.00	416.00	416.00	11.00
6.00	491.00	75.00	6.00
9.00	564.00	73.00	4.33
12.00	671.00	107.00	3.50
15.00	755.00	84.00	3.00
18.00	872.00	117.00	2.67
21.00	941.00	69.00	2.43
24.00	1014.00	73.00	2.25
27.00	1076.00	62.00	2.11
30.00	1153.00	77.00	2.00
33.00	1192.00	39.00	1.91
36.00	1227.00	35.00	1.83
39.00	1265.00	38.00	1.77
42.00	1296.00	31.00	1.71
45.00	1322.00	26.00	1.67
48.00	1345.00	23.00	1.63
51.00	1365.00	20.00	1.59
54.00	1380.00	15.00	1.56
57.00	1395.00	15.00	1.53
60.00	1401.00	6.00	1.50

DATE 11/7/95  
 CUSTOMER SPURLOCK OIL COMPANY  
 WELL #1-25  
 ELEVATION 2055 GL  
 SECTION 25  
 RANGE 23W  
 GAUGE SN# 2604

TEST 2  
 COUNTY CLARK  
 RANGE 4150

TICKET 21130  
 LEASE HARRINGTON  
 GEOLOGIST DOUGLAS DAVIS  
 FORMATION KANSAS CITY (IOLA)  
 TOWNSHIP 32  
 STATE KS  
 CLOCK 12

Horner Plot



Result

	#1	#2
tp, hrs	0.50	0.50
Slope	-2382.66	-1494.29
Pstar, psig	1890.14	1666.38
P1hr, psig	1470.57	1403.25
Skin	-0.39	-0.36
k, md	1.38	2.19
kh/u, md-ft/cp	3.17	5.05
ri, ft	1.36	1.71
DR, %	0.36	0.47
Drawdown Factor, %		-19.234
Drawdown P*, %		11.838

— BUILD 1  
 ..... BUILD 2

## HORNER ANALYSIS REPORT

### GENERAL INFORMATION

DATE : 11/7/95	TICKET : 21130
CUSTOMER : SPURLOCK OIL COMPANY	LEASE : HARRINGTON
WELL : #1-25                      TEST: 2	GEOLOGIST: DOUGLAS DAVIS
ELEVATION: 2055 GL	FORMATION: KANSAS CITY (IOLA)
SECTION : 25	TOWNSHIP : 32
RANGE : 23W                      COUNTY: CLARK	STATE : KS
GAUGE SN#: 2604                      RANGE : 4150	CLOCK : 12

### Input Data

Porosity    0.150                      Rw:                      0.328 ft                      h:                      4.000 ft

qo                      44.3 STB                      GOR                      57.9 SCF/STB

#### Pvt Data

Evaluation Pressure :                      327.0  
 Evaluation Temperature:                      126.0

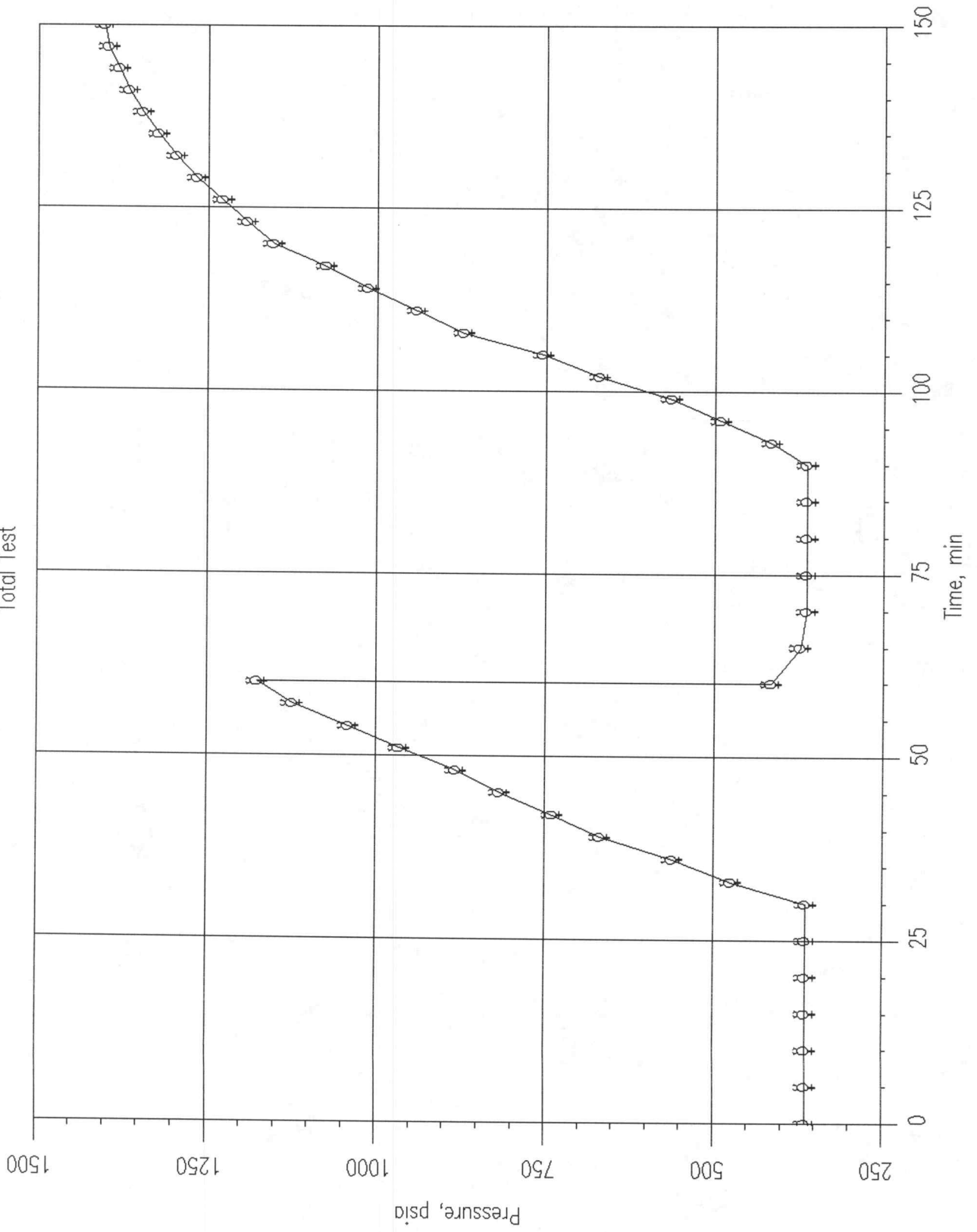
Oil Grav    38.00 API	Gas Grav    0.65 API	Pb                      327.00 PSIA
Bo                      1.049 RBL/STB	Vis                      1.000 cp	Ct                      1.5131E-003 1/PSI

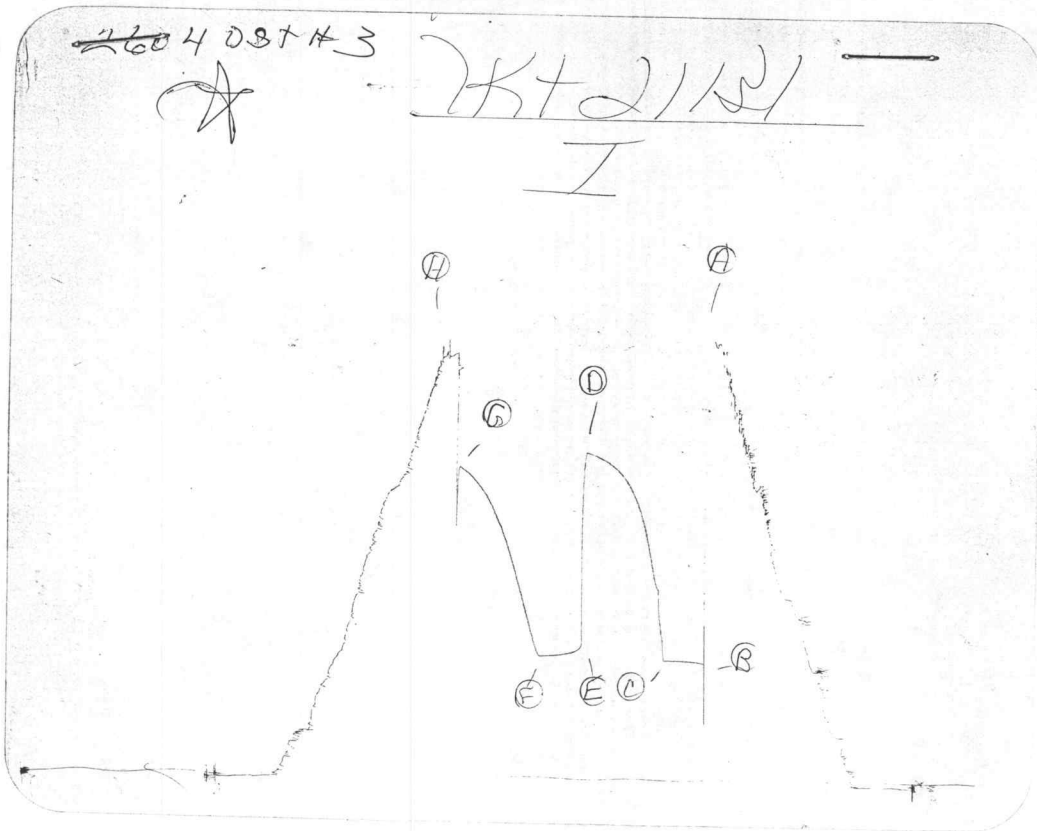
### Horner Results

	Initial Shut-In	Final Shut-In
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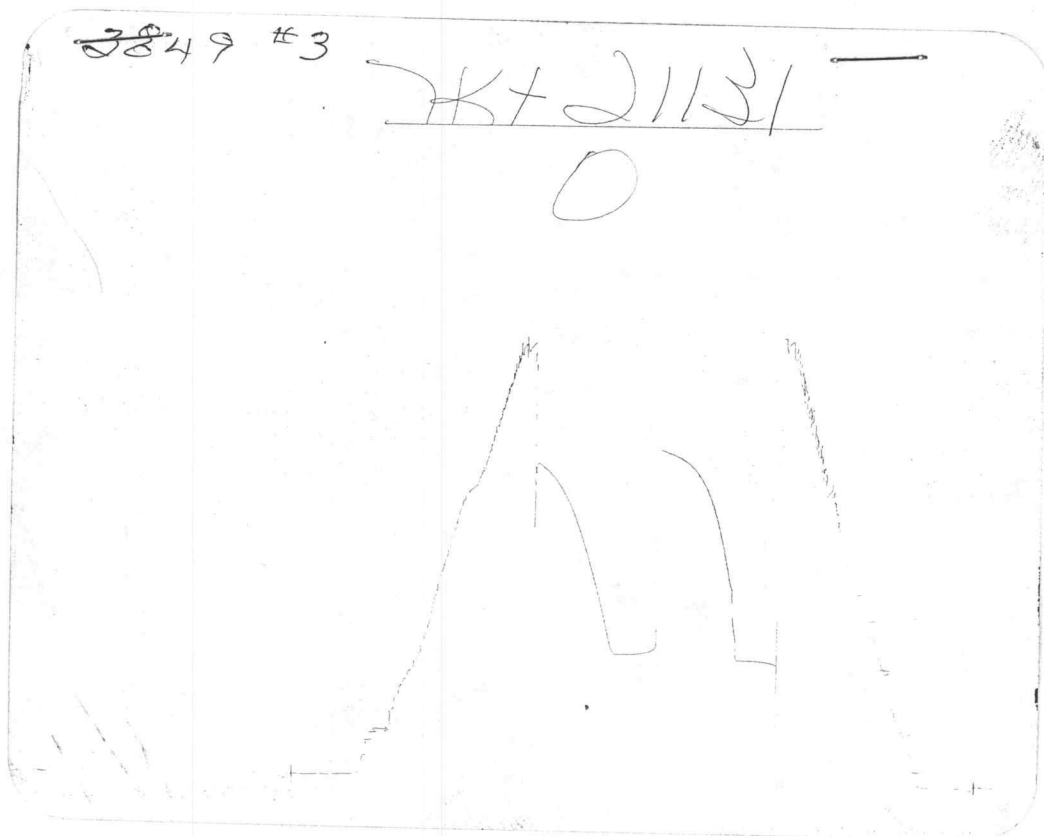
pseudo pressure time	0.50 hrs	0.50 hrs
slope	-2382.66	-1494.29
pstar	1890.14 psig	1666.38 psig
plhr	1470.57 psig	1403.25 psig
skin	-0.39	-0.36
permeability	1.38 md	2.19 md
transmissability	3.17 md-ft/cp	5.05 md-ft/cp
radius of investigation	1.36 ft	1.71 ft
Damage-Ratio	0.36 percent	0.47 percent
Drawdown Factor		-19.234 percent
Drawdown P*		11.838 percent

# Profile Plot Total Test





Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 11-8-95  
CUSTOMER : SPULOCK OIL COMPANY  
WELL : #1-25 TEST: 3  
ELEVATION: 2055 K.B.  
SECTION : 25  
RANGE : 23W COUNTY: CLARK  
GAUGE SN#: 2604 RANGE : 4150  
TICKET : 21131  
LEASE : HARRINGTON  
GEOLOGIST: DOUGLAS V. DAVIS  
FORMATION: UPPER SWOPE  
TOWNSHIP : 32S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4872.00 ft TO: 4889.00 ft TVD: 4889.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4880.0 ft 4883.0 ft  
TEMPERATURE: 118.0  
DRILL COLLAR LENGTH: 620.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4214.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 32.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 17.0 ft ANCHOR SIZE: 5.500 in  
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in  
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH  
PACKER DEPTH: 4867.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4872.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : BEREDCO DRILLING #2  
MUD TYPE : CHEMCIAL VISCOSITY : 46.00 cp  
WEIGHT : 9.200 ppg WATER LOSS: 10.400 cc  
CHLORIDES : 6500 ppm  
JARS-MAKE : WTC SERIAL NUMBER: 411  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

WEAK .5 INCH BLOW DEPLEATING TO NO BLOW IN 16  
MINUTES ON INITIAL FLOW PERIOD. FEW BUBBLES THEN  
DIED ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
940.0	0.0	0.0	0.0	100.0	MUD
360.0	10.0	10.0	0.0	80.0	GAS & OIL CUT MUD

RATE INFORMATION

OIL VOLUME:	0.1770	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.9940	SCF	AVERAGE OIL RATE:	38.2383	STB/D
MUD VOLUME:	12.2327	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	12.4097	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2369.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	637.00	637.00
INITIAL SHUT-IN	60.00		1768.00
FINAL FLOW	30.00	690.00	637.00
FINAL SHUT-IN	60.00		1684.00

FINAL HYDROSTATIC PRESSURE: 2316.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2413.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	667.00	681.00
INITIAL SHUT-IN	60.00		1800.00
FINAL FLOW	30.00	749.00	694.00
FINAL SHUT-IN	63.00		1713.00

FINAL HYDROSTATIC PRESSURE: 2331.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1800.00	8.00	1.50

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	749.00	749.00
5.00	723.00	-26.00
10.00	711.00	-12.00
15.00	705.00	-6.00
20.00	701.00	-4.00
25.00	696.00	-5.00
30.00	694.00	-2.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	729.00	729.00	11.00
6.00	803.00	74.00	6.00
9.00	874.00	71.00	4.33
12.00	952.00	78.00	3.50
15.00	1035.00	83.00	3.00
18.00	1105.00	70.00	2.67
21.00	1181.00	76.00	2.43
24.00	1252.00	71.00	2.25
27.00	1314.00	62.00	2.11
30.00	1376.00	62.00	2.00
33.00	1426.00	50.00	1.91
36.00	1476.00	50.00	1.83
39.00	1517.00	41.00	1.77
42.00	1558.00	41.00	1.71
45.00	1590.00	32.00	1.67
48.00	1618.00	28.00	1.63
51.00	1643.00	25.00	1.59
54.00	1669.00	26.00	1.56
57.00	1686.00	17.00	1.53
60.00	1701.00	15.00	1.50
63.00	1713.00	12.00	1.48

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 11-8-95	TICKET	: 21131
CUSTOMER	: SPULOCK OIL COMPANY	LEASE	: HARRINGTON
WELL	: #1-25	TEST:	3
ELEVATION:	2055 K.B.	GEOLOGIST:	DOUGLAS V. DAVIS
SECTION	: 25	FORMATION:	UPPER SWOPE
RANGE	: 23W	TOWNSHIP	: 32S
GAUGE SN#:	2604	STATE	: KS
	COUNTY: CLARK	CLOCK	: 12
	RANGE : 4150		

INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	667.00	667.00
5.00	673.00	6.00
10.00	677.00	4.00
15.00	680.00	3.00
20.00	681.00	1.00
25.00	681.00	0.00
30.00	681.00	0.00

INITIAL SHUT IN

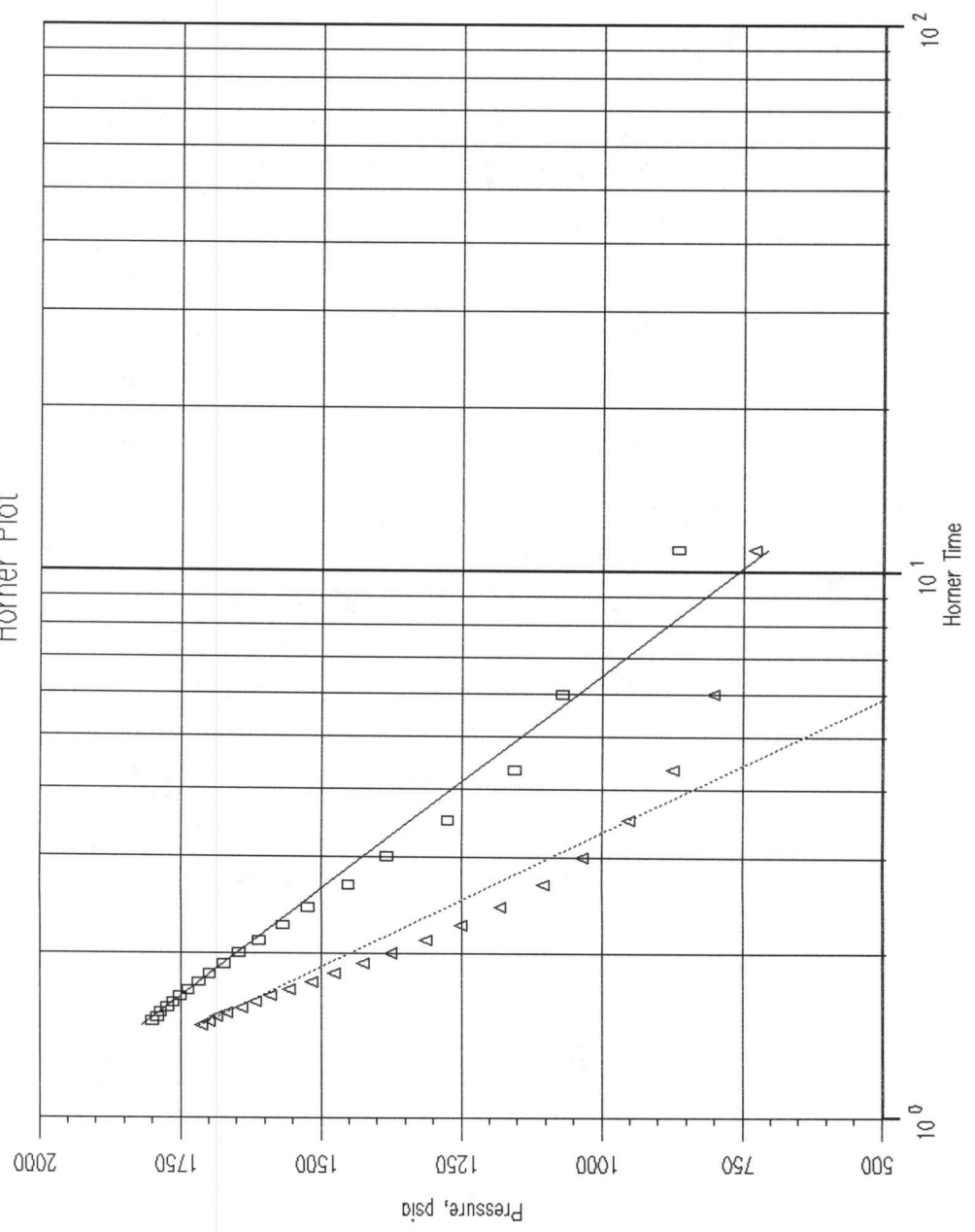
<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	865.00	865.00	11.00
6.00	1071.00	206.00	6.00
9.00	1156.00	85.00	4.33
12.00	1275.00	119.00	3.50
15.00	1384.00	109.00	3.00
18.00	1451.00	67.00	2.67
21.00	1523.00	72.00	2.43
24.00	1568.00	45.00	2.25
27.00	1611.00	43.00	2.11
30.00	1646.00	35.00	2.00
33.00	1673.00	27.00	1.91
36.00	1699.00	26.00	1.83
39.00	1718.00	19.00	1.77
42.00	1737.00	19.00	1.71
45.00	1751.00	14.00	1.67
48.00	1764.00	13.00	1.63
51.00	1774.00	10.00	1.59
54.00	1786.00	12.00	1.56
57.00	1792.00	6.00	1.53

DATE 11-8-95  
 CUSTOMER SPULLOCK OIL COMPANY  
 WELL #1-25  
 ELEVATION 2055 K.B.  
 SECTION 25  
 RANGE 23W  
 GAUGE SN# 2604

TEST 3  
 COUNTY CLARK  
 RANGE 4150

TICKET 21131  
 LEASE HARRINGTON  
 GEOLOGIST DOUGLAS V. DAVIS  
 FORMATION UPPER SWOPE  
 TOWNSHIP 32S  
 STATE KS  
 CLOCK 12

Horner Plot



Result

	#1	#2
tp, hrs	0.50	0.50
Slope	-1274.65	-2026.61
Pstar, psig	2034.33	2057.97
P1hr, psig	1809.88	1701.11
Skin	-0.82	-1.03
k, md	0.89	0.56
kh/u, md-ft/cp	5.53	3.48
ri, ft	3.38	2.68
DR, %	0.43	0.27
Drawdown Factor, %		4.833
Drawdown P*, %		-1.162

— BUILD 1  
 ..... BUILD 2

## HORNER ANALYSIS REPORT

### GENERAL INFORMATION

DATE : 11-8-95	TICKET : 21131
CUSTOMER : SPULOCK OIL COMPANY	LEASE : HARRINGTON
WELL : #1-25      TEST: 3	GEOLOGIST: DOUGLAS V. DAVIS
ELEVATION: 2055 K.B.	FORMATION: UPPER SWOPE
SECTION : 25	TOWNSHIP : 32S
RANGE : 23W      COUNTY: CLARK	STATE : KS
GAUGE SN#: 2604      RANGE : 4150	CLOCK : 12

### Input Data

Porosity    0.150              Rw:                      0.328 ft      h:                      6.000 ft

qo                      38.2 STB    GOR                      282.0 SCF/STB

#### Pvt Data

Evaluation Pressure : 1197.0

Evaluation Temperature: 118.0

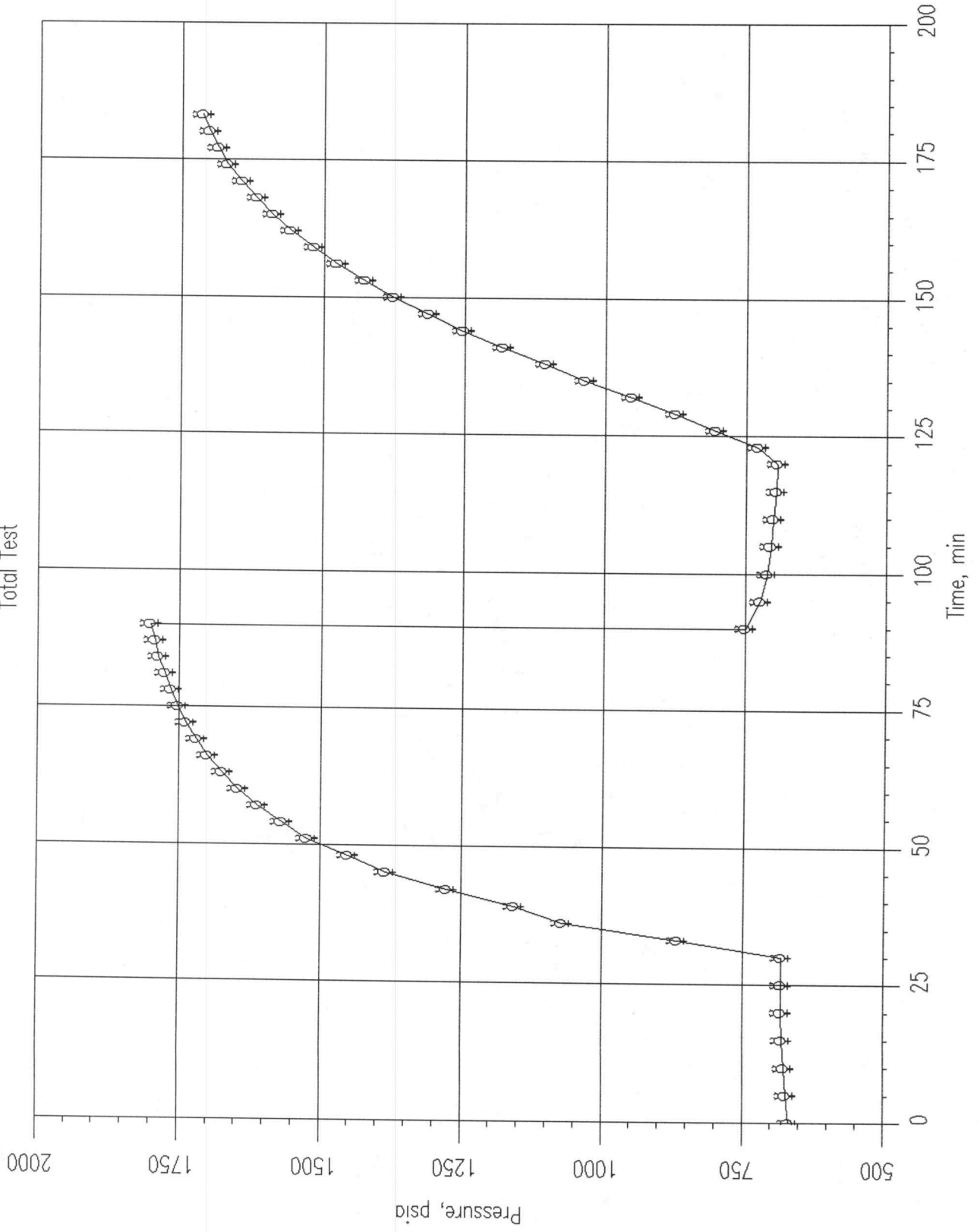
Oil Grav    38.00 API	Gas Grav    0.65 API	Pb    1197.00 PSIA	
Bo    1.133 RBL/STB	Vis    1.000 cp	Ct    2.8385E-004 1/PSI	

### Horner Results

	Initial Shut-In	Final Shut-In
pseudo pressure time	0.50 hrs	0.50 hrs
slope	-1274.65	-2026.61
pstar	2034.33 psig	2057.97 psig
plhr	1809.88 psig	1701.11 psig
skin	-0.82	-1.03
permeability	0.89 md	0.56 md
transmissability	5.53 md-ft/cp	3.48 md-ft/cp
radius of investigation	3.38 ft	2.68 ft
Damage-Ratio	0.43 percent	0.27 percent
Drawdown Factor		4.833 percent
Drawdown P*		-1.162 percent

# Profile Plot

Total Test



DST REPORT

GENERAL INFORMATION

DATE : 11-8-95  
CUSTOMER : SPURLOCK OIL CO.  
WELL : 1-25 TEST: 4  
ELEVATION: 2055 G.L.  
SECTION : 25  
RANGE : 23W COUNTY: CLARK  
GAUGE SN#: 2604 RANGE : 4150  
TICKET : 21132  
LEASE : HARRINGTON  
GEOLOGIST: DAVIS  
FORMATION: SWOPE  
TOWNSHIP : 32  
STATE : KS  
CLOCK : 12 HR.

WELL INFORMATION

PERFORATION INTERVAL FROM: 4874.00 ft TO: 4912.00 ft TVD: 4912.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4903.0 ft 4906.0 ft  
TEMPERATURE: 125.0  
DRILL COLLAR LENGTH: 620.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4222.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 30.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 38.0 ft ANCHOR SIZE: 5.500 in  
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in  
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH  
PACKER DEPTH: 4869.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4874.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : BEREDCO RIG 2  
MUD TYPE : CHEMICAL VISCOSITY : 46.00 cp  
WEIGHT : 9.200 ppg WATER LOSS: 10.400 cc  
CHLORIDES : 6500 ppm  
JARS-MAKE : WTC SERIAL NUMBER: 411  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW BUILDING TO A  
STRONG 8 INCH BLOW  
FINAL FLOW PERIOD 5 INCH BLOW BUILDING TO A 12

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

INCH BLOW

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	930 FEET OF GAS ABOVE
0.0	0.0	0.0	0.0	0.0	FLUID
186.0	15.0	20.0	0.0	65.0	HEAVY GAS & OIL CUT MUD

RATE INFORMATION

OIL VOLUME: 0.1372 STB  
 GAS VOLUME: 1.0272 SCF  
 MUD VOLUME: 0.5945 STB  
 WATER VOLUME: 0.0000 STB  
 TOTAL FLUID : 0.7317 STB

TOTAL FLOW TIME: 120.0000 min.  
 AVERAGE OIL RATE: 8.7807 STB/D  
 AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2421.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	53.00	31.00
INITIAL SHUT-IN	90.00		1558.00
FINAL FLOW	60.00	53.00	53.00
FINAL SHUT-IN	90.00		1527.00

FINAL HYDROSTATIC PRESSURE: 2316.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2421.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	60.00	95.00	38.00
INITIAL SHUT-IN	90.00		1554.00
FINAL FLOW	60.00	112.00	74.00
FINAL SHUT-IN	90.00		1548.00
FINAL HYDROSTATIC PRESSURE:	2316.00		

FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE : 11-8-95  
CUSTOMER : SPURLOCK OIL CO.  
WELL : 1-25 TEST: 4  
ELEVATION: 2055 G.L.  
SECTION : 25  
RANGE : 23W COUNTY: CLARK  
GAUGE SN#: 2604 RANGE : 4150  
TICKET : 21132  
LEASE : HARRINGTON  
GEOLOGIST: DAVIS  
FORMATION: SWOPE  
TOWNSHIP : 32  
STATE : KS  
CLOCK : 12 HR.

SAMPLE INFORMATION

PRESSURE IN SAMPLER: 180.00 PSIG BHT: 125.0 DEG F  
TOTAL VOLUME OF SAMPLER: 3100.00 cc  
TOTAL VOLUME OF SAMPLE: 2650.00 cc  
OIL: 250.00 cc  
WATER: 0.00 cc  
MUD: 2200.00 cc  
GAS: 0.25 cc  
OTHER: 0.00 cc

RESISTIVITY

DRILLING MUD: CHLORIDE CONTENT: 0.00 ppm  
MUD PIT SAMPLE: CHLORIDE CONTENT: 6500.00 ppm  
GAS/OIL RATIO: GRAVITY:  
WHERE WAS SAMPLE DRAINED:  
REMARKS:

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 11-8-95	TICKET	: 21132
CUSTOMER	: SPURLOCK OIL CO.	LEASE	: HARRINGTON
WELL	: 1-25	TEST: 4	GEOLOGIST: DAVIS
ELEVATION	: 2055 G.L.	FORMATION	: SWOPE
SECTION	: 25	TOWNSHIP	: 32
RANGE	: 23W	COUNTY: CLARK	STATE : KS
GAUGE SN#	: 2604	RANGE : 4150	CLOCK : 12 HR.

INITIAL FLOW

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	95.00	95.00
5.00	70.00	-25.00
10.00	53.00	-17.00
15.00	44.00	-9.00
20.00	44.00	0.00
25.00	44.00	0.00
30.00	44.00	0.00
35.00	44.00	0.00
40.00	38.00	-6.00
45.00	38.00	0.00
50.00	38.00	0.00
55.00	38.00	0.00
60.00	38.00	0.00

INITIAL SHUT IN

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	44.00	44.00	21.00
6.00	53.00	9.00	11.00
9.00	57.00	4.00	7.67
12.00	74.00	17.00	6.00
15.00	110.00	36.00	5.00
18.00	140.00	30.00	4.33
21.00	191.00	51.00	3.86
24.00	256.00	65.00	3.50
27.00	339.00	83.00	3.22
30.00	459.00	120.00	3.00
33.00	544.00	85.00	2.82
36.00	683.00	139.00	2.67
39.00	827.00	144.00	2.54

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
42.00	955.00	128.00	2.43
45.00	1054.00	99.00	2.33
48.00	1129.00	75.00	2.25
51.00	1215.00	86.00	2.18
54.00	1289.00	74.00	2.11
57.00	1330.00	41.00	2.05
60.00	1353.00	23.00	2.00
63.00	1390.00	37.00	1.95
66.00	1426.00	36.00	1.91
69.00	1443.00	17.00	1.87
72.00	1472.00	29.00	1.83
75.00	1495.00	23.00	1.80
78.00	1508.00	13.00	1.77
81.00	1529.00	21.00	1.74
84.00	1538.00	9.00	1.71
87.00	1544.00	6.00	1.69
90.00	1554.00	10.00	1.67

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	112.00	112.00
5.00	95.00	-17.00
10.00	87.00	-8.00
15.00	85.00	-2.00
20.00	74.00	-11.00
25.00	74.00	0.00
30.00	74.00	0.00
35.00	74.00	0.00
40.00	74.00	0.00
45.00	74.00	0.00
50.00	74.00	0.00
55.00	74.00	0.00
60.00	74.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
3.00	78.00	78.00	21.00
6.00	97.00	19.00	11.00
9.00	123.00	26.00	7.67
12.00	176.00	53.00	6.00
15.00	236.00	60.00	5.00
18.00	330.00	94.00	4.33
21.00	399.00	69.00	3.86
24.00	512.00	113.00	3.50
27.00	637.00	125.00	3.22
30.00	773.00	136.00	3.00
33.00	914.00	141.00	2.82
36.00	1066.00	152.00	2.67
39.00	1155.00	89.00	2.54
42.00	1196.00	41.00	2.43
45.00	1265.00	69.00	2.33
48.00	1300.00	35.00	2.25
51.00	1335.00	35.00	2.18
54.00	1350.00	15.00	2.11
57.00	1378.00	28.00	2.05
60.00	1401.00	23.00	2.00
63.00	1421.00	20.00	1.95
66.00	1443.00	22.00	1.91
69.00	1460.00	17.00	1.87
72.00	1479.00	19.00	1.83
75.00	1491.00	12.00	1.80
78.00	1506.00	15.00	1.77
81.00	1520.00	14.00	1.74
84.00	1531.00	11.00	1.71
87.00	1542.00	11.00	1.69
90.00	1548.00	6.00	1.67

HORNER ANALYSIS REPORT

GENERAL INFORMATION

DATE : 11-8-95	TICKET : 21132
CUSTOMER : SPURLOCK OIL CO.	LEASE : HARRINGTON
WELL : 1-25            TEST: 4	GEOLOGIST: DAVIS
ELEVATION: 2055 G.L.	FORMATION: SWOPE
SECTION : 25	TOWNSHIP : 32
RANGE : 23W            COUNTY: CLARK	STATE : KS
GAUGE SN#: 2604        RANGE : 4150	CLOCK : 12 HR.

Input Data

Porosity    0.100            Rw:            0.328 ft    h:            8.000 ft

qo            8.8 STB    GOR            379.3 SCF/STB

Pvt Data  
 Evaluation Pressure : 1554.0  
 Evaluation Temperature: 125.0

Oil Grav    38.00 API	Gas Grav    0.65 API	Pb    1554.00 PSIA
Bo          1.179 RBL/STB	Vis        1.000 cp	Ct    2.0965E-004 1/PSI

Horner Results

	Inital Shut-In	Final Shut-In
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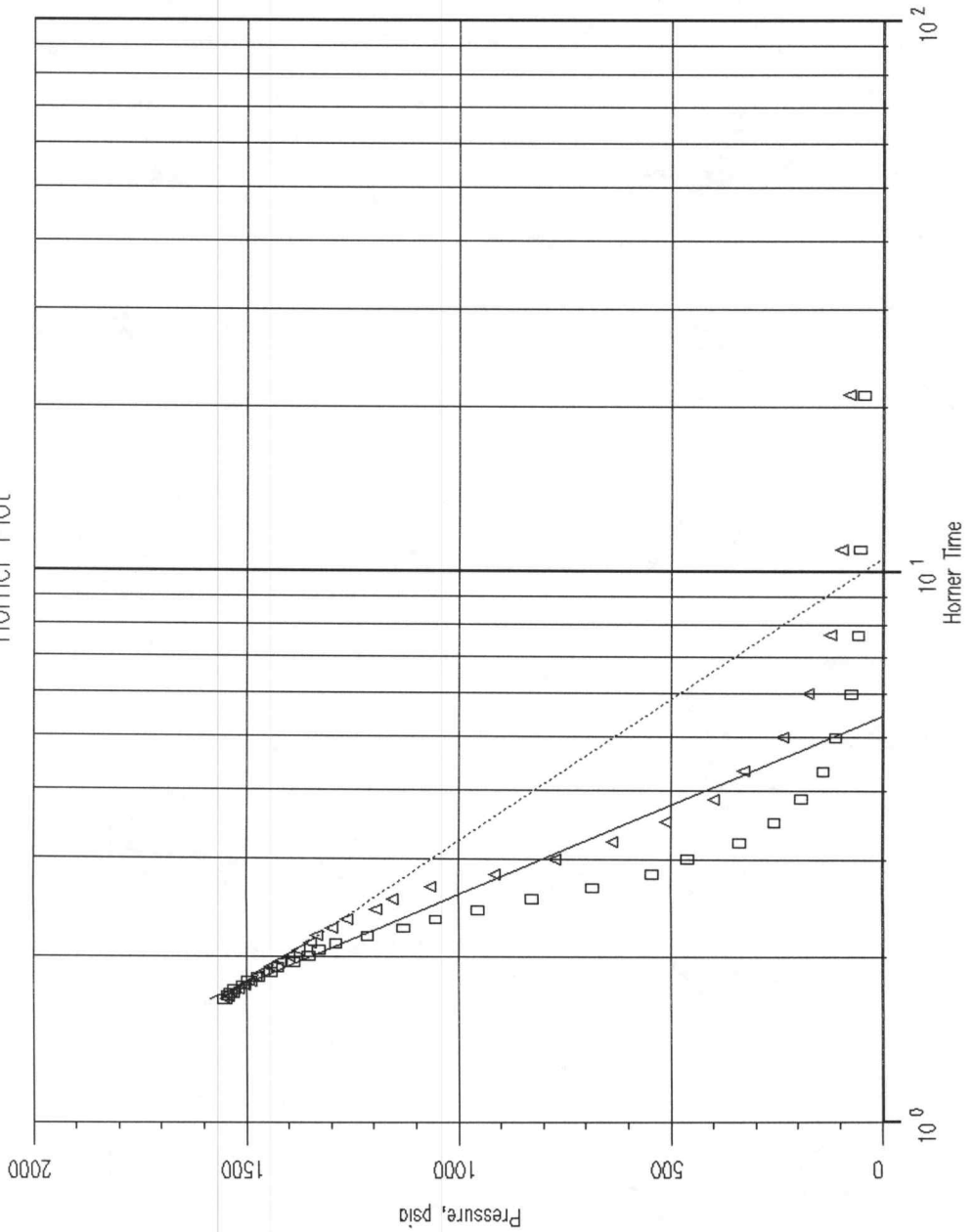
pseudo pressure time	1.00 hrs	1.00 hrs
slope	-3079.37	-1936.69
pstar	2268.69 psig	1984.33 psig
plhr	1341.71 psig	1401.32 psig
skin	-0.61	-0.54
permeability	0.05 md	0.09 md
transmisability	0.55 md-ft/cp	0.87 md-ft/cp
radius of investigation	1.85 ft	2.34 ft
Damage-Ratio	0.34 percent	0.47 percent
Drawdown Factor		0.386 percent
Drawdown P*		12.534 percent

DATE 11-8-95  
 CUSTOMER SPURLOCK OIL CO.  
 WELL 1-25  
 ELEVATION 2055 G.L.  
 SECTION 25  
 RANGE 23W  
 GAUGE SN# 2604

TEST 4  
 COUNTY CLARK  
 RANGE 4150

TICKET 21132  
 LEASE HARRINGTON  
 GEOLOGIST DAVIS  
 FORMATION SWOPE  
 TOWNSHIP 32  
 STATE KS  
 CLOCK 12 HR.

Horner Plot



Result

	#1	#2
tp, hrs	1.00	1.00
Slope	-3079.37	-1936.69
Pstar, psig	2268.69	1984.33
P1hr, psig	1341.71	1401.32
Skin	-0.61	-0.54
k, md	0.05	0.09
kh/u, md-ft/cp	0.55	0.87
ri, ft	1.85	2.34
DR, %	0.34	0.47
Drawdown Factor, %		0.386
Drawdown P*, %		12.534

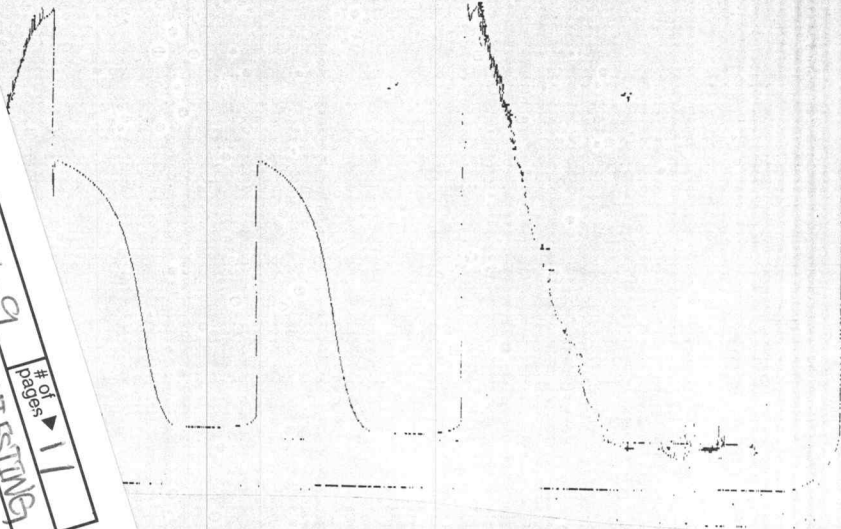
— BUILD 1  
 ..... BUILD 2

F10

P.

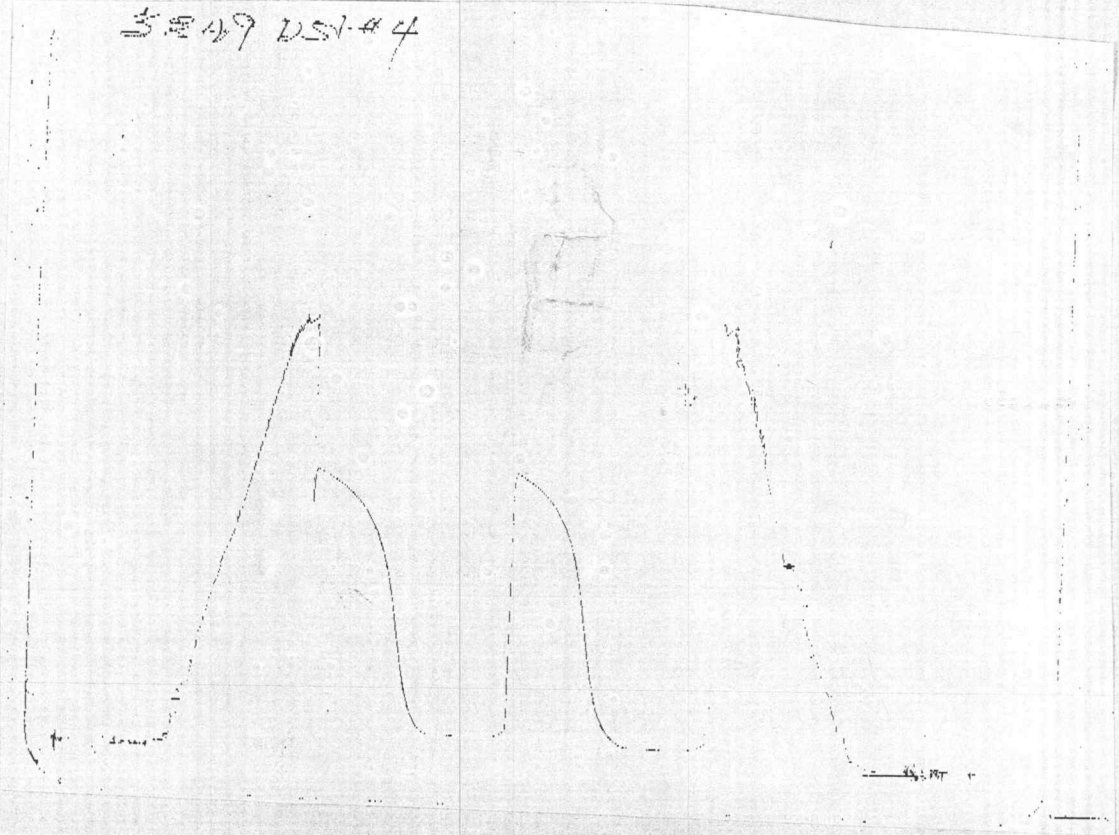
**Post-it® Fax Note**

To	ROB SPURLOCK	7671	Date	11-9	# of pages	11
Co./Dept.			From	QUESTION TESTING		
Phone #			Co.			
Fax #			Phone #	262-5861		
			Fax #			



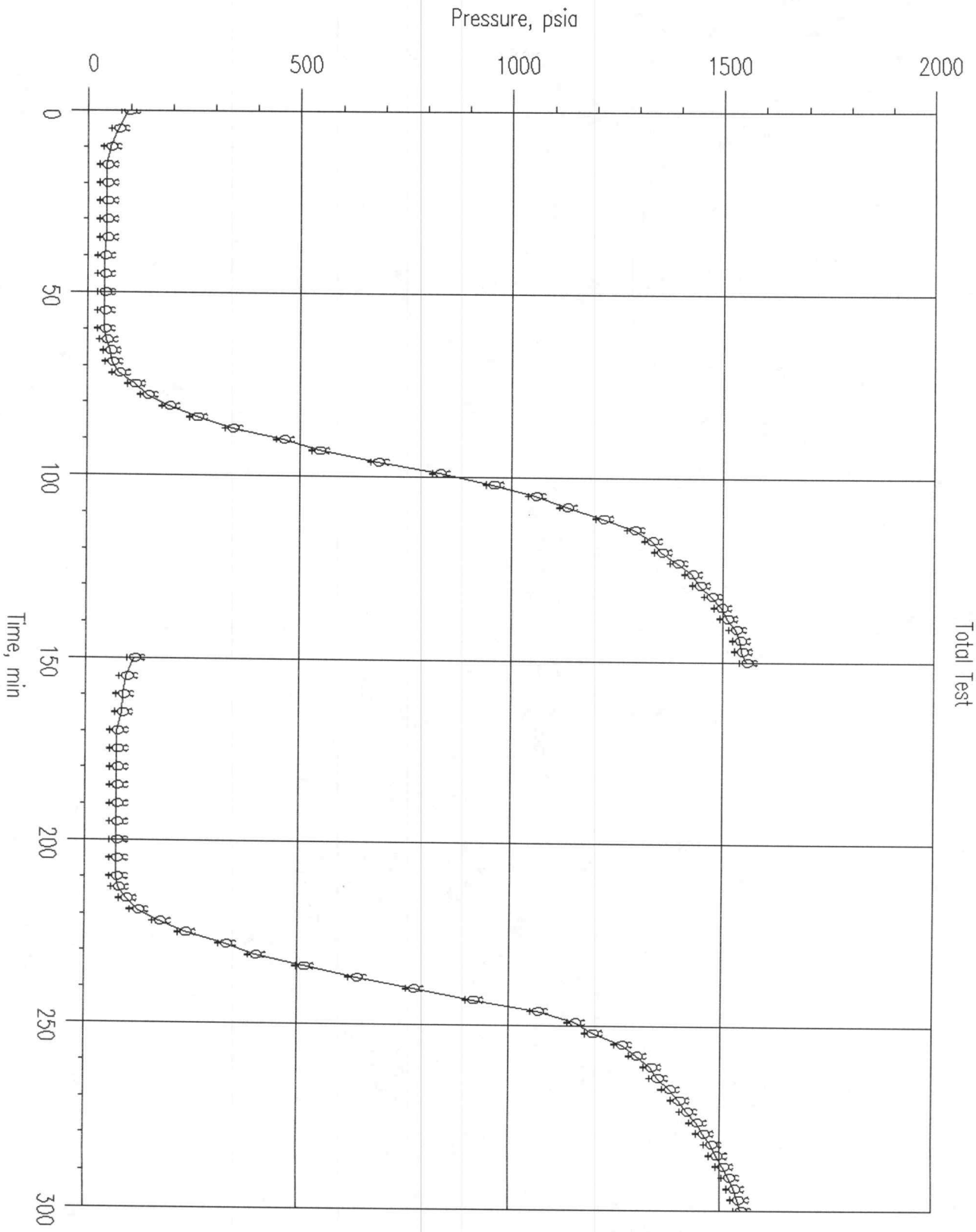
Inside Recorder

Signal 29 DSI #4



Outside Recorder

Profile Plot  
Total Test



DST REPORT

GENERAL INFORMATION

DATE : 11-10-95	TICKET : 21133
CUSTOMER : SPURLOCK OIL CO.	LEASE : HARRINGTON
WELL : 1-25                      TEST: 5	GEOLOGIST: DAVIS
ELEVATION: 2055 G.L.	FORMATION: MARMATON
SECTION : 25	TOWNSHIP : 32
RANGE : 23W                      COUNTY: CLARK	STATE : KS
GAUGE SN#: 2604                      RANGE : 4150	CLOCK : 12 HR.

WELL INFORMATION

PERFORATION INTERVAL FROM: 5086.00 ft	TO: 5101.00 ft	TVD: 5101.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 5096.0 ft	5099.0 ft	
TEMPERATURE: 126.0		
DRILL COLLAR LENGTH: 620.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4434.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 32.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 15.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 5081.0 ft	SIZE:	6.630 in
PACKER DEPTH: 5086.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : BEREDCO RIG 2	VISCOSITY : 56.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 14.400 cc
WEIGHT : 9.100 ppg	
CHLORIDES : 10000 ppm	SERIAL NUMBER: 411
JARS-MAKE : WTC	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

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INITIAL FLOW PERIOD-VERY WEAK SURFACE BLOW FOR 9 MINUTES & DIED. FINAL FLOW PERIOD-VERY WEAK BLOW FOR 18 MINUTES AND DIED.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
162.0	0.0	0.0	0.0	100.0	MUD
277.0	0.0	0.0	0.0	100.0	OIL SPOTTED MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	25.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	2.1588	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	2.1588	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE:	0.00		
Description	Duration	p1	p End
INITIAL FLOW	30.00	0.00	0.00
INITIAL SHUT-IN	60.00		0.00
FINAL FLOW	30.00	0.00	0.00
FINAL SHUT-IN	60.00		0.00
FINAL HYDROSTATIC PRESSURE:	0.00		

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE:	2606.00		
Description	Duration	p1	p End
INITIAL FLOW	0.00	0.00	5.00
INITIAL SHUT-IN	0.00		3.00
FINAL HYDROSTATIC PRESSURE:	2551.00		

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11-10-95	TICKET : 21133
CUSTOMER : SPURLOCK OIL CO.	LEASE : HARRINGTON
WELL : 1-25 TEST: 5	GEOLOGIST: DAVIS
ELEVATION: 2055 G.L.	FORMATION: MARMATON
SECTION : 25	TOWNSHIP : 32
RANGE : 23W COUNTY: CLARK	STATE : KS
GAUGE SN#: 2604 RANGE : 4150	CLOCK : 12 HR.

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
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INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
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FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	1172.00	1172.00
5.00	1121.00	-51.00
10.00	1108.00	-13.00
15.00	1098.00	-10.00
20.00	1086.00	-12.00
25.00	1082.00	-4.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1372.00	1372.00	0.00
6.00	1533.00	161.00	0.00
9.00	1611.00	78.00	0.00
12.00	1660.00	49.00	0.00
15.00	1692.00	32.00	0.00
18.00	1720.00	28.00	0.00
21.00	1743.00	23.00	0.00
24.00	1762.00	19.00	0.00
27.00	1781.00	19.00	0.00
30.00	1798.00	17.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
33.00	1808.00	10.00	0.00
36.00	1821.00	13.00	0.00
39.00	1829.00	8.00	0.00
42.00	1837.00	8.00	0.00
45.00	1843.00	6.00	0.00
48.00	1850.00	7.00	0.00
51.00	1854.00	4.00	0.00
54.00	1859.00	5.00	0.00
57.00	1863.00	4.00	0.00
60.00	1866.00	3.00	0.00

FLUID SAMPLE REPORT

GENERAL INFORMATION

DATE	: 11-10-95	TICKET	: 21133
CUSTOMER	: SPURLOCK OIL CO.	LEASE	: HARRINGTON
WELL	: 1-25	TEST:	5
ELEVATION:	2055 G.L.	GEOLOGIST:	DAVIS
SECTION	: 25	FORMATION:	MARMATON
RANGE	: 23W	TOWNSHIP	: 32
GAUGE SN#:	2604	STATE	: KS
	COUNTY: CLARK	CLOCK	: 12 HR.
	RANGE : 4150		

SAMPLE INFORMATION

PRESSURE IN SAMPLER:	300.00 PSIG	BHT:	126.0 DEG F
TOTAL VOLUME OF SAMPLER:	3100.00 cc		
TOTAL VOLUME OF SAMPLE:	2400.00 cc		
OIL:	310.00 cc		
WATER:	0.00 cc		
MUD:	2090.00 cc		
GAS:	3.89 cc		
OTHER:	0.00 cc		

RESISTIVITY

DRILLING MUD:	CHLORIDE CONTENT:	0.00 ppm
MUD PIT SAMPLE:	CHLORIDE CONTENT:	6500.00 ppm
GAS/OIL RATIO:	GRAVITY:	
WHERE WAS SAMPLE DRAINED:		
REMARKS:		