

**Well Name:** JACK D LEE #3  
**Company :** WANKER OIL COMPANY  
**Location - Sec:** 15 5                      **Twp:** 13S                      **Rge:** 33W  
**County:** LOGAN                      **State:** KS  
**Date:** 11/5/95

TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Company

DATE 11/1/95

WELL NAME: Jack D Lee #3

KB 3050.00 ft

TICKET NO: 8404 DST #1

LOCATION : 15-13S-33W, Logan Cty KS

GR 3045.00 ft

FORMATION: Kansas City "A"

INTERVAL : 3958.00 To 3977.00 ft

TD 3977.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	11086	11086	6730			PF Fr. 1503 to 1548 hr
SI 45	Range(Psi )	4350.0	4350.0	0.0	0.0	0.0	IS Fr. 1548 to 1633 hr
SF 45	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1633 to 1718 hr
FS 45	Depth(ft )	3959.0	3959.0	3974.0	0.0	0.0	FS Fr. 1718 to 1803 hr

	Field	1	2	3	4	
A. Init Hydro	1858.0	1837.0	0.0	0.0	0.0	T STARTED 1340 hr
B. First Flow	54.0	39.0	0.0	0.0	0.0	T ON BOTM 1500 hr
B1. Final Flow	215.0	194.0	0.0	0.0	0.0	T OPEN 1503 hr
C. In Shut-in	1141.0	1145.0	0.0	0.0	0.0	T PULLED 1803 hr
D. Init Flow	237.0	210.0	0.0	0.0	0.0	T OUT 1938 hr
E. Final Flow	323.0	312.0	0.0	0.0	0.0	
F. Fl Shut-in	1141.0	1136.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1900.0	1920.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 25000.00 lbs

RECOVERY

Tot Fluid 691.00 ft of 0.00 ft in DC and 691.00 ft in DP  
 570.00 ft of Murky water - 60% water, 40% mud  
 121.00 ft of Murky water - 80% water, 20% mud

Unseated Str Wt	55000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3371.00 ft
H.W. I.D	2.70 in
H.W. Length	600.00 ft

RW .29 @ 44 F

SALINITY 40000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----	
Mud Type	Chemical
Weight	9.00 lb/l
Vis.	43.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Blow -  
 Steady & building to bottom of bucket  
 in 21 min

Initial Shutin -  
 No blow back

Final Blow -  
 Steady & building to bottom of bucket  
 in 28 min

Final Shutin -  
 No blow back

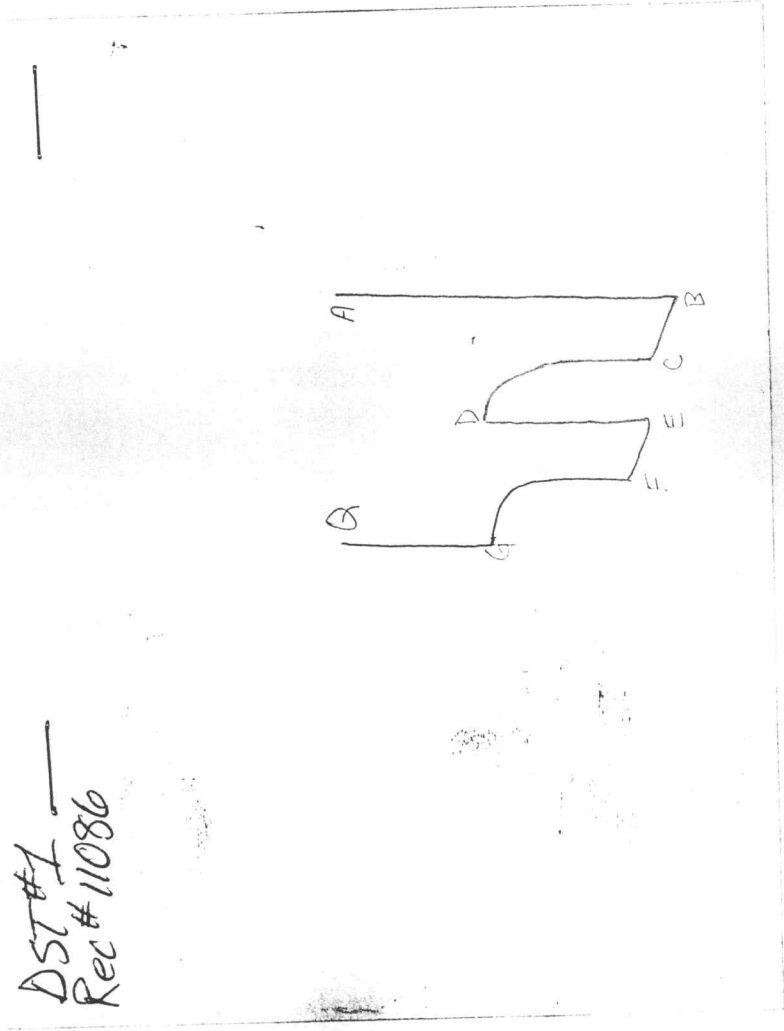
SAMPLES:  
 SENT TO:

Amt. of fill	0.00 ft
Btm. H. Temp.	102.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike McVey
Co. Rep.	Mark Torr
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE

DST #1  
Rec # 11086



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Company  
 WELL NAME: Jack D Lee #3  
 LOCATION : 5-13S-33W, Logan Cty KS  
 INTERVAL : 3986.00 To 4012.00 ft

DATE 11/2/95

KB 3050.00 ft TICKET NO: 8452 DST #2  
 GR 3045.00 ft FORMATION: Kansas City "C"  
 TD 4012.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	13339	13339	13309			PF Fr. 0535 to 0620 hr
SI 45	Range(Psi )	4000.0	4000.0	4700.0	0.0	0.0	IS Fr. 0620 to 0705 hr
SF 45	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0705 to 0750 hr
FS 45	Depth(ft )	4006.0	4006.0	3993.0	0.0	0.0	FS Fr. 0750 to 0835 hr

	Field	1	2	3	4	
A. Init Hydro	1912.0	1956.0	0.0	0.0	0.0	T STARTED 0405 hr
B. First Flow	52.0	76.0	0.0	0.0	0.0	T ON BOTM 0532 hr
B1. Final Flow	124.0	161.0	0.0	0.0	0.0	T OPEN 0535 hr
C. In Shut-in	1200.0	1233.0	0.0	0.0	0.0	T PULLED 0835 hr
D. Init Flow	197.0	231.0	0.0	0.0	0.0	T OUT 1020 hr
E. Final Flow	259.0	290.0	0.0	0.0	0.0	
F. Fl Shut-in	1210.0	1231.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1892.0	1931.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs

RECOVERY

Tot Fluid 585.00 ft of 0.00 ft in DC and 585.00 ft in DP  
 180.00 ft of Mud - 100% mud  
 285.00 ft of Muddy water - 60% water, 40% mud  
 120.00 ft of Water - 100% water

Unseated Str Wt 47000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 3396.00 ft  
 H.W. I.D 2.70 in  
 H.W. Length 600.00 ft

RW 2.9 @ 44 F

SALINITY 40000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -  
 Steady, building to bottom of bucket  
 in 35 min

Initial Shutin -  
 No blow back

Final Blow -  
 Steady, building to bottom of bucket  
 in 39 min

Final Shutin -  
 No blow back

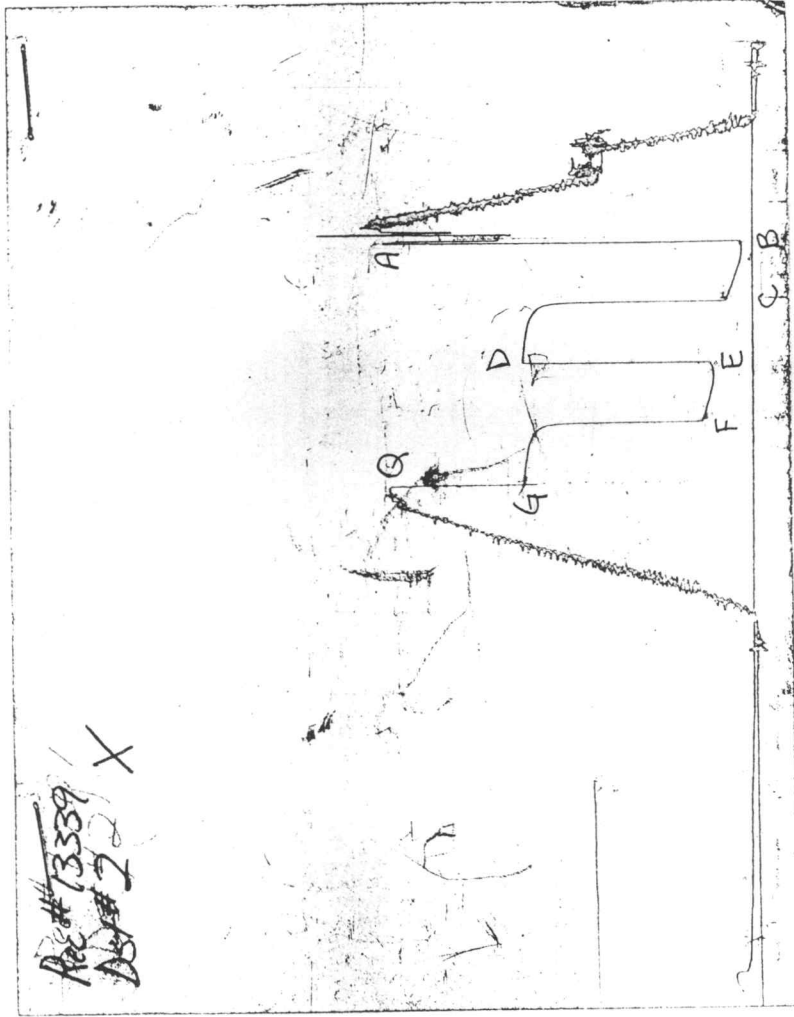
SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.00 lb/  
 Vis. 43.00 S/L  
 W.L. 8.40 in3  
 F.C. 0.00 in  
 Mud Drop

Amt. of fill 0.00 ft  
 Btm. H. Temp. 112.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Mike McVey  
 Co. Rep. Mark Torr  
 Contr. Abercrombie  
 Rig # 8  
 Unit #  
 Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Company  
 WELL NAME: Jack D Lee #3  
 LOCATION : 5-13S-33W, Logan Cty KS  
 INTERVAL : 4009.00 To 4032.00 ft

DATE 11/2/95  
 KB 3050.00 ft TICKET NO: 8405 DST #3  
 GR 3045.00 ft FORMATION: Kansas City  
 TD 4032.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	11086	11086	6370			PF Fr. 1807 to 1907 hr
SI 45 Range(Psi )	4350.0	4350.0	0.0	0.0	0.0	IS Fr. 1907 to 1952 hr
SF 45 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1952 to 2037 hr
FS 45 Depth(ft )	4029.0	4029.0	4011.0	0.0	0.0	FS Fr. 2037 to 2122 hr

	Field	1	2	3	4	
A. Init Hydro	2010.0	2000.0	0.0	0.0	0.0	T STARTED 1710 hr
B. First Flow	163.0	147.0	0.0	0.0	0.0	T ON BOTM 1805 hr
B1. Final Flow	185.0	177.0	0.0	0.0	0.0	T OPEN 1807 hr
C. In Shut-in	1229.0	1238.0	0.0	0.0	0.0	T PULLED 2122 hr
D. Init Flow	196.0	199.0	0.0	0.0	0.0	T OUT 2315 hr
E. Final Flow	218.0	214.0	0.0	0.0	0.0	
F. Fl Shut-in	1216.0	1225.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1967.0	1974.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 52000.00 lbs
						Initial Str Wt 47000.00 lbs
						Unseated Str Wt 48000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 3400.00 ft
						H.W. I.D 2.70 in
						H.W. Length 600.00 ft

RECOVERY

Tot Fluid 320.00 ft of 0.00 ft in DC and 320.00 ft in DP  
 1.00 ft of Oil - 100% oil  
 319.00 ft of Water - 100% water

RW .296 @ 46.3

SALINITY 45000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -  
 Steady, building to bottom of bucket  
 in 57 min

Initial Shutin -  
 No blow back

Final Blow -  
 Steady, building to 7"

Final Shutin -  
 No blow back

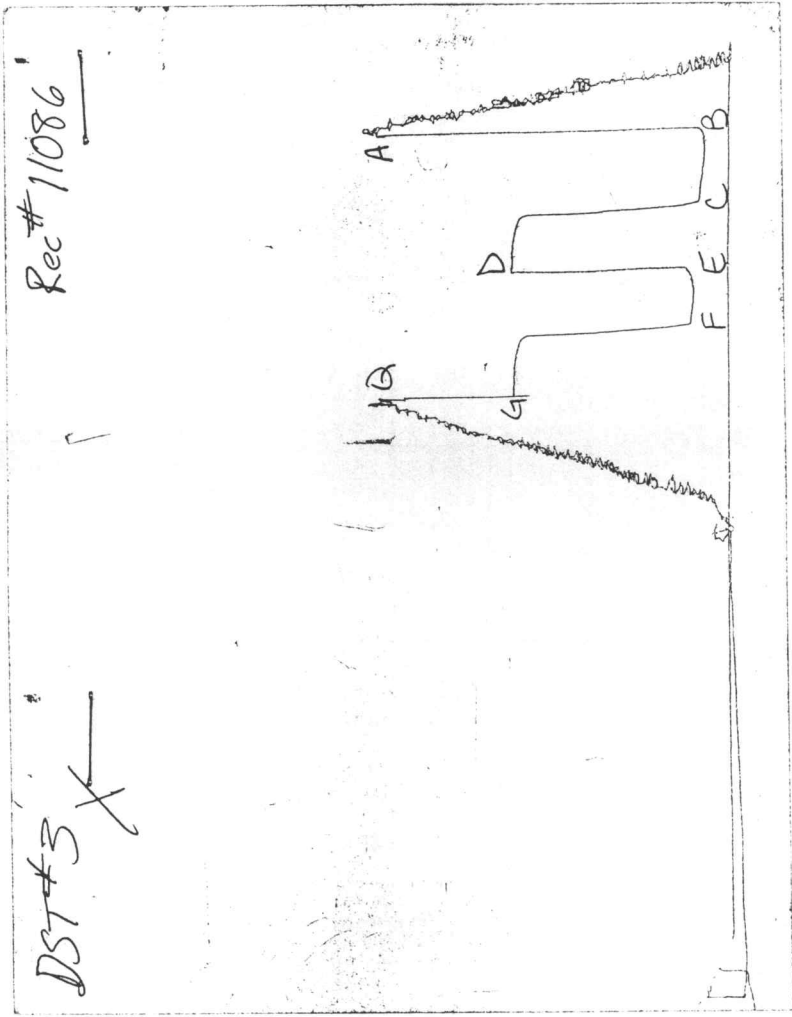
SAMPLES:  
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.20 lb/l
Vis.	45.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike McVey
Co. Rep.	Mark Torr
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

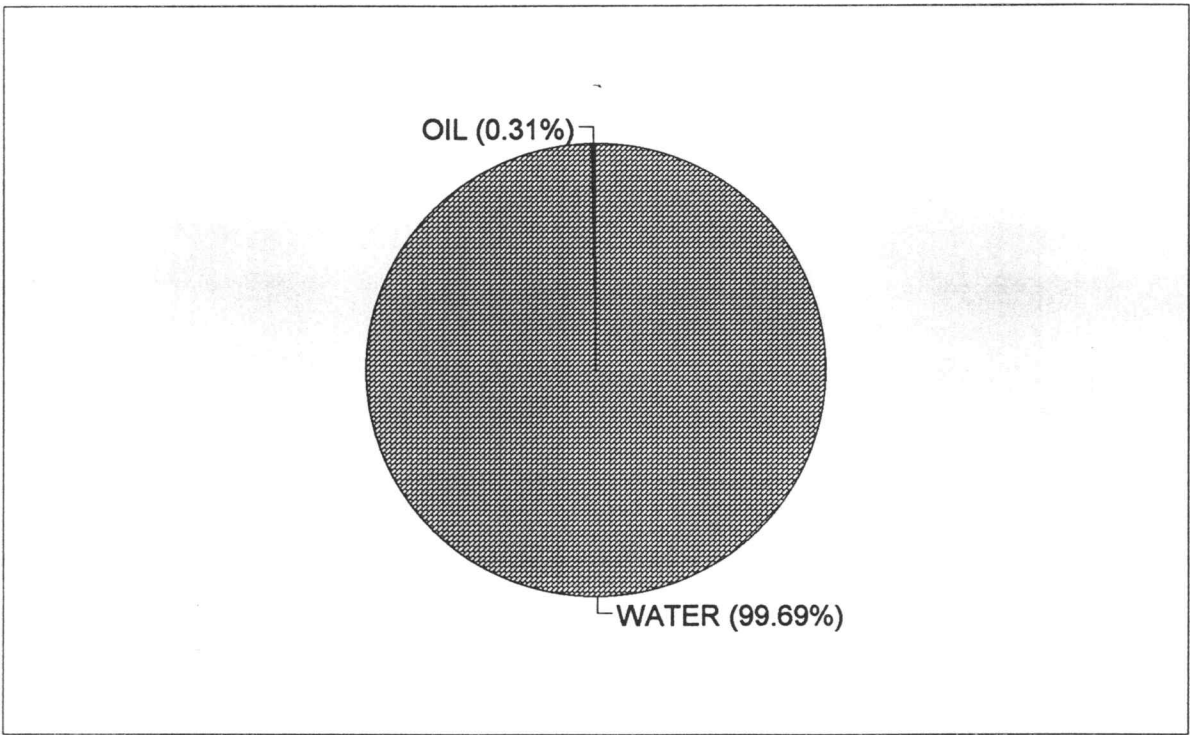
# CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

DST # 3

TICKET # 8405

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	1		0	100	1		0		0
2	319		0		0	100	319		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
<b>TOTAL</b>	<b>320</b>	<b>0</b>	<b>0</b>	<b>0.3125</b>	<b>1</b>	<b>99.6875</b>	<b>319</b>	<b>0</b>	<b>0</b>

			HRS OPE BBL/DAY	
BBL OIL=	0.007	*	1.75	0.096
BBL WAT	2.233	*		30.624
BBL MUD	0			
BBL GAS	0			



TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Company

DATE 11/3/95

WELL NAME: Jack D Lee #3  
 LOCATION : 5-13S-33W, Logan Cty KS  
 INTERVAL : 4033.00 To 4052.00 ft

KB 3050.00 ft TICKET NO: 8406 DST #4  
 GR 3045.00 ft FORMATION: Kansas City  
 TD 4052.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	6370	6370	11086			PF Fr. 0800 to 0830 hr
SI 30 Range(Psi )	0.0	0.0	4350.0	0.0	0.0	IS Fr. 0830 to 0900 hr
SF 30 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0900 to 0930 hr
FS 30 Depth(ft )	4035.0	4035.0	4049.0	0.0	0.0	FS Fr. 0930 to 1000 hr

	Field	1	2	3	4	
A. Init Hydro	1953.0	1956.0	0.0	0.0	0.0	T STARTED 0630 hr
B. First Flow	64.0	65.0	0.0	0.0	0.0	T ON BOTM 0755 hr
B1. Final Flow	43.0	43.0	0.0	0.0	0.0	T OPEN 0800 hr
C. In Shut-in	1172.0	1162.0	0.0	0.0	0.0	T PULLED 1000 hr
D. Init Flow	75.0	69.0	0.0	0.0	0.0	T OUT 1130 hr
E. Final Flow	64.0	59.0	0.0	0.0	0.0	
F. Fl Shut-in	1109.0	1114.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1943.0	1937.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 25000.00 lbs

RECOVERY

Tot Fluid 10.00 ft of 0.00 ft in DC and 10.00 ft in DP  
 10.00 ft of Clean Oil - 100% oil

Initial Str Wt 47000.00 lbs  
 Unseated Str Wt 47000.00 lbs  
 Bot Choke 0.75 in  
 Hole Size 7.88 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.80 in  
 D.C. Length 0.00 ft  
 D.P. Length 3432.00 ft  
 H.W. I.D 2.70 in  
 H.W. Length 600.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 30.60

BLOW DESCRIPTION

Initial Blow -  
 Weak blow, .75" in bucket

Initial Shutin -  
 No blow back

Final Blow -  
 Dead blow

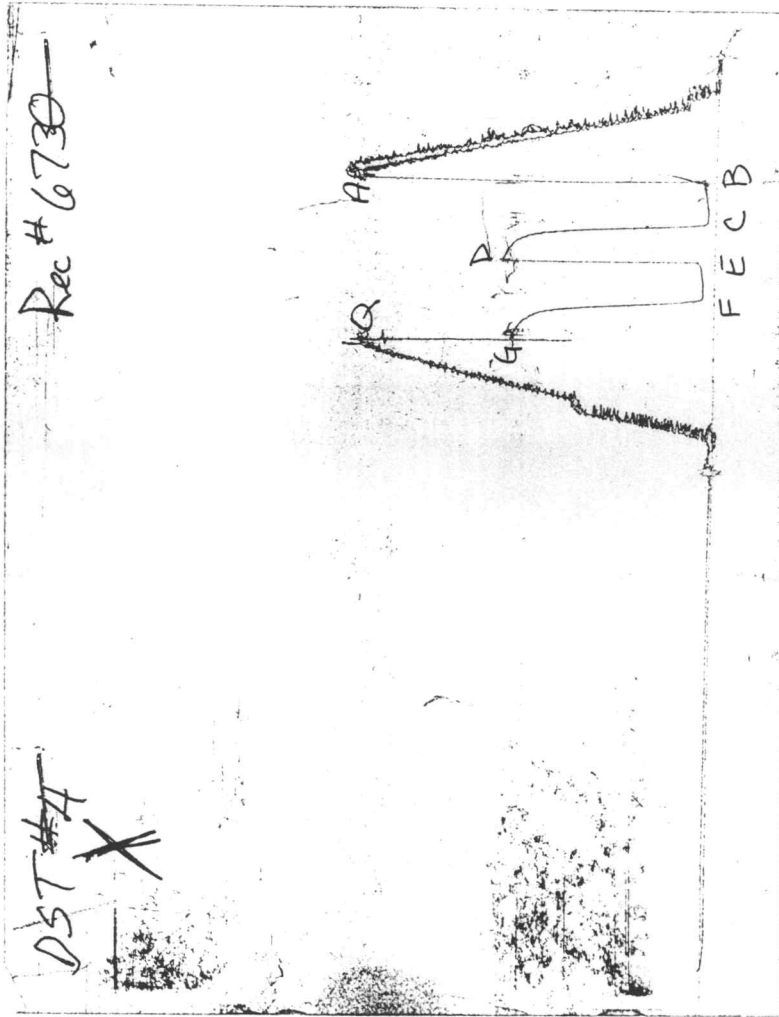
Final Shutin -  
 No blow back

SAMPLES:  
 SENT TO:

MUD DATA-----  
 Mud Type Chemical  
 Weight 9.20 lb/  
 Vis. 45.00 S/L  
 W.L. 8.80 in3  
 F.C. 0.00 in  
 Mud Drop  
 Amt. of fill 0.00 ft  
 Btm. H. Temp. 92.00 F  
 Hole Condition  
 % Porosity 0.00  
 Packer Size 6.75 in  
 No. of Packers 2  
 Cushion Amt. 0.00  
 Cushion Type  
 Reversed Out  
 Tool Chased  
 Tester Mike McVey  
 Co. Rep. Mark Torr  
 Contr. Abercrombie  
 Rig # 8  
 Unit #  
 Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

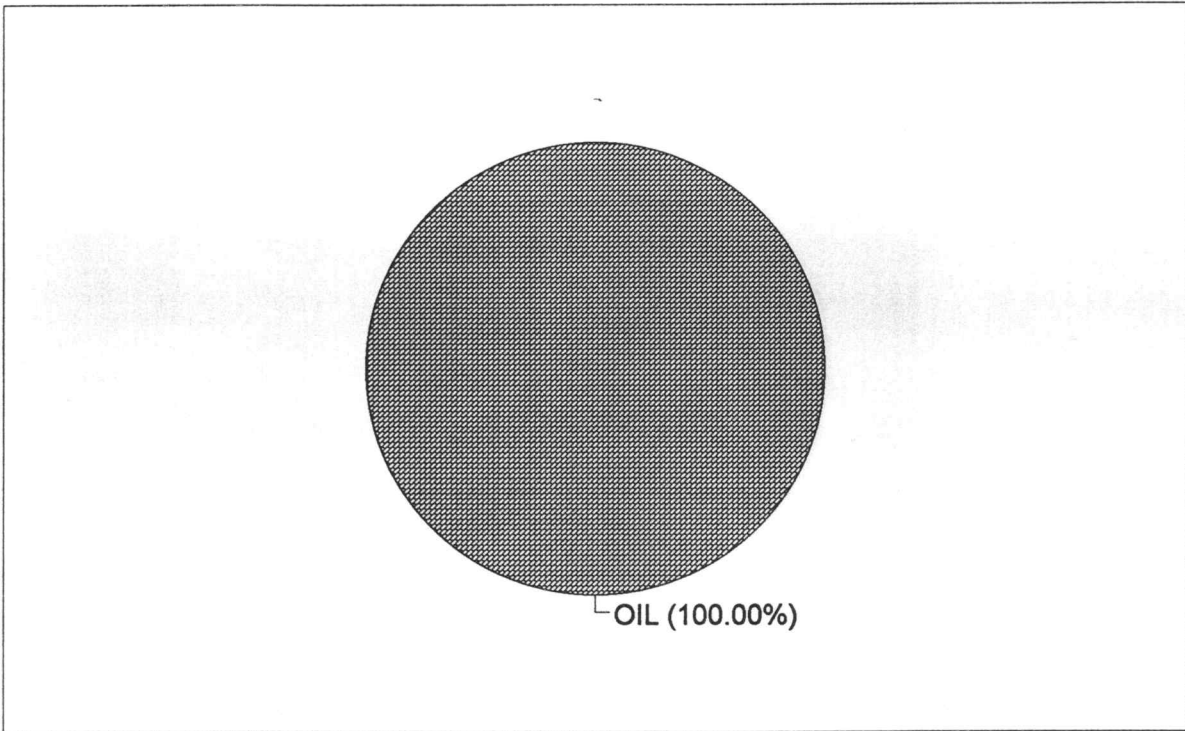
# CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

DST # 4

TICKET # 8406

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	10		0	100	10		0		0
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
<b>TOTAL</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

			HRS OPE BBL/DAY	
BBL OIL=	0.07	*	1.00	1.68
BBL WAT	0	*		0
BBL MUD	0			
BBL GAS	0			



TRILOBITE TESTING L.L.C.

OPERATOR : Wanker Oil Company

DATE 11/4/95

WELL NAME: Jack D Lee #3

KB 3050.00 ft

TICKET NO: 8407 DST #5

LOCATION : 5-13S-33W, Logan Cty KS

GR 3045.00 ft

FORMATION: Kansas City "J"

INTERVAL : 4206.00 To 4235.00 ft

TD 4235.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 15	Rec.	11086	11086	6370			PF Fr. 0610 to 0625 hr
SI 30	Range(Psi )	4350.0	4350.0	0.0	0.0	0.0	IS Fr. 0625 to 0655 hr
SF 15	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0655 to 0710 hr
FS 30	Depth(ft )	4232.0	4232.0	4208.0	0.0	0.0	FS Fr. 0710 to 0740 hr

	Field	1	2	3	4	
A. Init Hydro	2131.0	2129.0	0.0	0.0	0.0	T STARTED 0500 hr
B. First Flow	131.0	116.0	0.0	0.0	0.0	T ON BOTM 0605 hr
B1. Final Flow	87.0	85.0	0.0	0.0	0.0	T OPEN 0610 hr
C. In Shut-in	909.0	905.0	0.0	0.0	0.0	T PULLED 0740 hr
D. Init Flow	98.0	92.0	0.0	0.0	0.0	T OUT 0920 hr
E. Final Flow	65.0	63.0	0.0	0.0	0.0	
F. Fl Shut-in	832.0	826.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2076.0	2072.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP  
 5.00 ft of Oil spotted mud - 1% oil, 99% mud

Initial Str Wt	45000.00 lbs
Unseated Str Wt	45000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3617.00 ft
H.W. I.D	2.70 in
H.W. Length	600.00 ft

SALINITY 0.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -  
 Weak blow, .25" - .5" in bucket

Initial Shutin -  
 No blow back

Final Blow -  
 No blow

Final Shutin -  
 No blow back

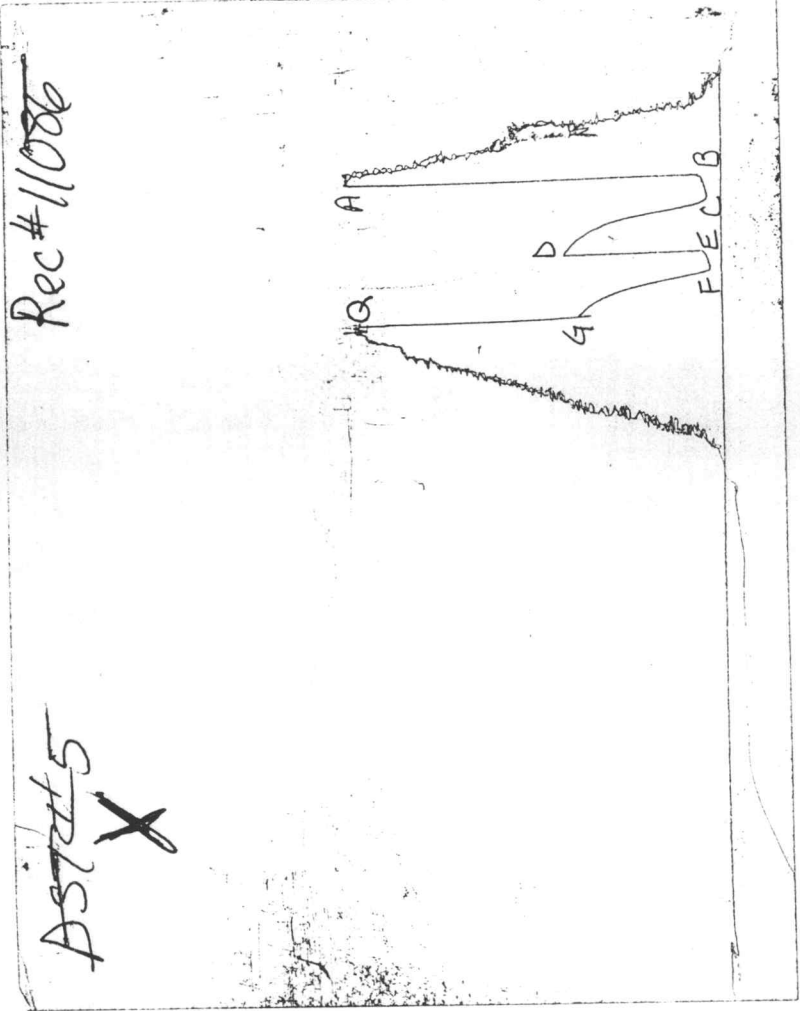
SAMPLES:

SENT TO:

MUD DATA-----	
Mud Type	Chemical
Weight	9.25 lb/l
Vis.	45.00 S/L
W.L.	9.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	98.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Mike McVey
Co. Rep.	Mark Torr
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

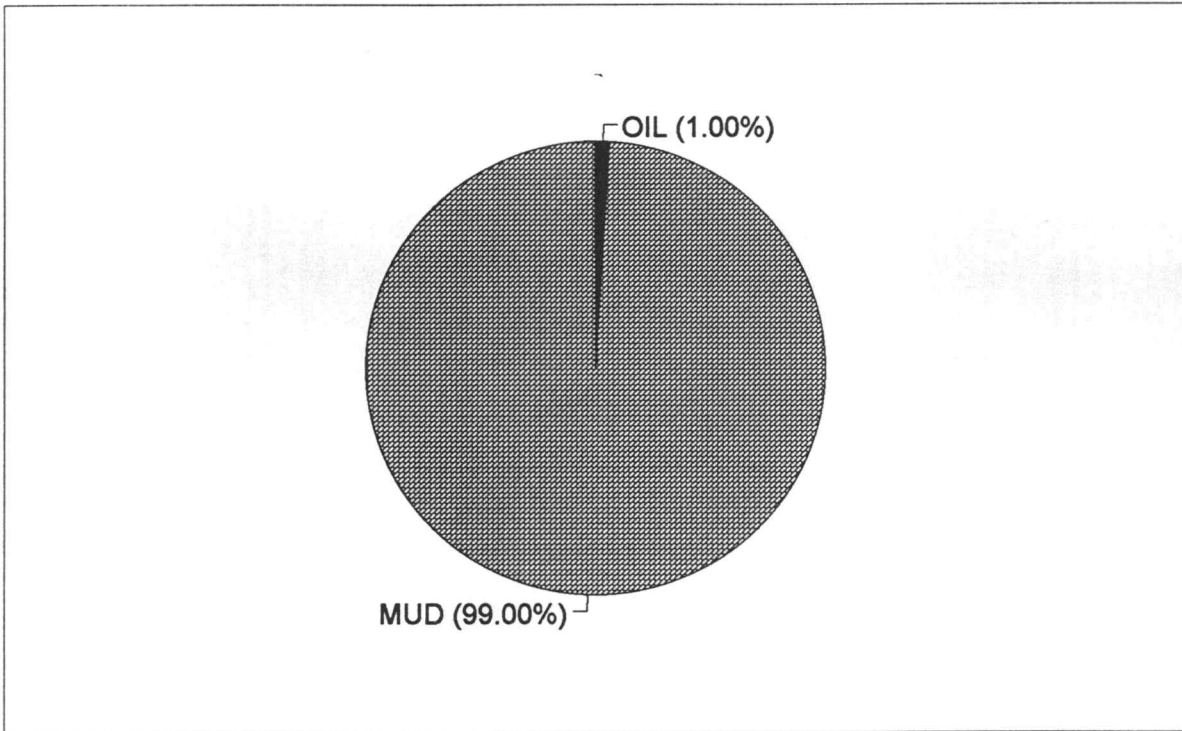
# CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

DST # 5

TICKET # 8407

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	5		0	1	0.05		0	99	4.95
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
<b>TOTAL</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0.05</b>	<b>0</b>	<b>0</b>	<b>99</b>	<b>4.95</b>

			HRS OPE BBL/DAY	
BBL OIL=	0.00035	*	0.50	0.0168
BBL WAT	0	*		0
BBL MUD	0.03465			
BBL GAS	0			





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

WANKER OIL COMPANY

JACK D LEE #3

DST 6

5 13S 33W

LOGAN COUNTY

\*\*\*\*\*  
ELEVATION: 3050 KB EST. PAY 10 FT  
DATUM: -1460 ZONE TESTED: JOHNSON  
TEST INTERVAL: 4507-4549 TIME INTERVALS: 60-60-60-60  
RECORDER DEPTH: 4509 VISCOSITY: 0.61 CP  
BOTTOM HOLE TEMP: 116 HOLE SIZE: 7.875 IN  
\*\*\*\*\*

\*\*\*\*\*  
CUBIC FEET OF GAS IN PIPE: 321  
TOTAL FEET OF RECOVERY: 330.00 CORRECTED PIPE FILLUP: 494.595  
TOTAL BARRELS OF RECOVERY: 2.31 CORR. BARRELS OF RECOVERY: 4.650 BBL  
BARRELS IN DRILL PIPE: 0.00 API GRAVITY: 35  
BARRELS IN WEIGHT PIPE: 2.31 FLUID GRADIENT: 0.370  
BARRELS IN DRILL COLLARS: 0.00  
GAS OIL RATIO: 139.04 CU.FT/BBL  
BUBBLE POINT PRESSURE: 1111  
UNCORRECTED INITIAL PRODUCTION: 27.72 BBL  
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 55.81 BBL/DAY  
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE: 25.44  
\*\*\*\*\*

\*\*\*\*\*  
INITIAL SLOPE 681.50 PSI/CYCLE FINAL SLOPE 389.00 PSI/CYCLE  
INITIAL P\* 1142.96 PSI FINAL P\* 1111.45 PSI  
\*\*\*\*\*

\*\*\*\*\*  
TRANSMISSIBILITY 23.33 (MD.-FT./CP.)  
PERMEABILITY 1.42 (MD.)  
INDICATED FLOW CAPACITY 14.19 (MD.FT)  
PRODUCTIVITY INDEX 0.03 (BBL/DAY/PSI)  
DAMAGE RATIO 0.44  
RADIUS OF INVESTIGATION 13.05 (FT.)  
POTENTIOMETRIC SURFACE 1118.45 (FT.)  
DRAWDOWN FACTOR 2.757 (%)  
\*\*\*\*\*

# CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

DST # 6

TICKET # 8408

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	120	20	24	20	24		0	60	72
2	65	36	23.4	34	22.1		0	30	19.5
3	80	10	8	84	67.2		0	6	4.8
4	65	14	9.1	74	48.1	2	1.3	10	6.5
5			0		0		0		0
<b>TOTAL</b>	<b>330</b>	<b>19.54545</b>	<b>64.5</b>	<b>48.90909</b>	<b>161.4</b>	<b>0.393939</b>	<b>1.3</b>	<b>31.15152</b>	<b>102.8</b>

			HRS OPE BBL/DAY	
BBL OIL=	1.1298	*	2.00	13.5576
BBL WAT	0.0091	*		0.1092
BBL MUD	0.7196			
BBL GAS	0.4515			

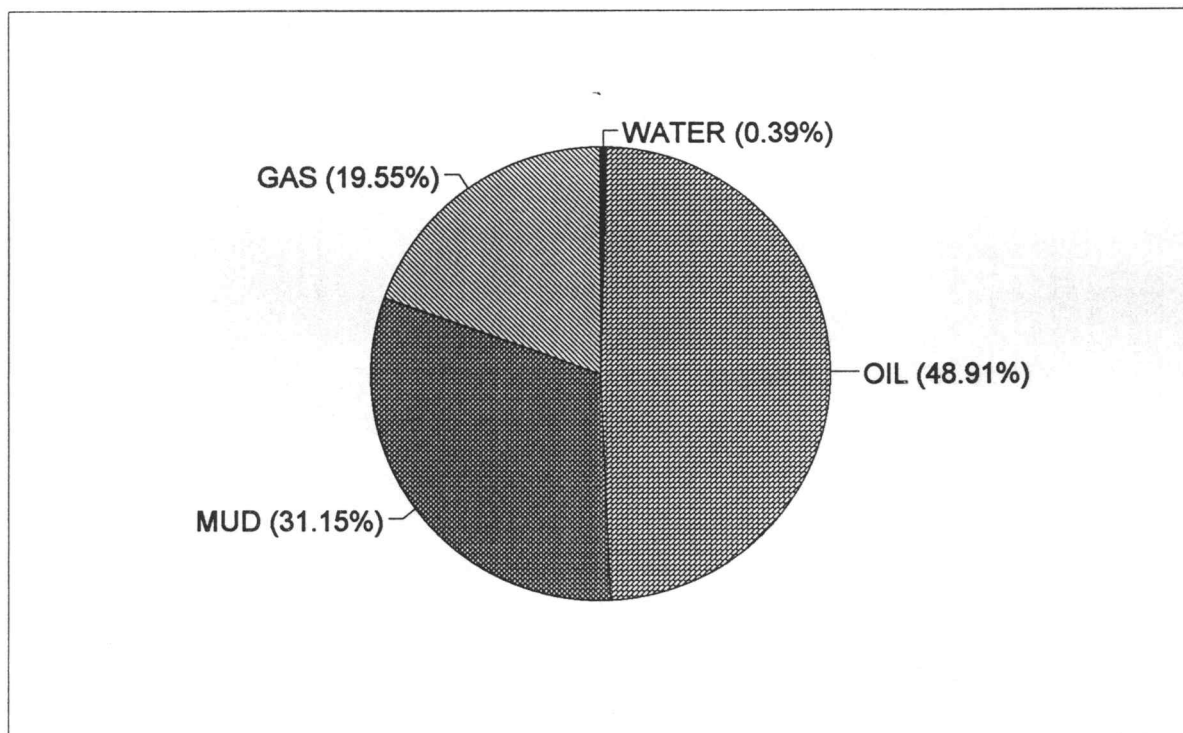
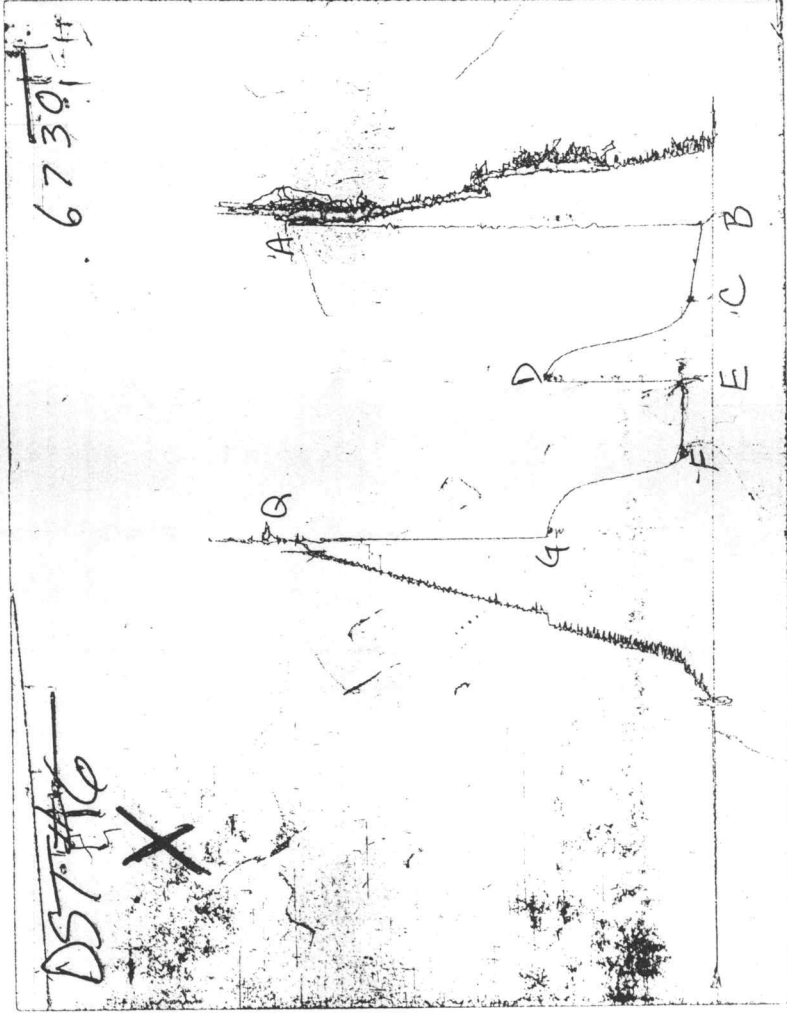


CHART PAGE



This is an actual photograph of recorder chart

# INITIAL FLOW

DST # 6  
RECORDER 6730

<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>&lt;&gt;</u> <u>PRESSURE</u>
0	64.65	64.7
3	64.65	0.0
6	64.65	0.0
9	67.88	3.2
12	74.35	6.5
15	77.58	3.2
18	80.81	3.2
21	86.20	5.4
24	89.43	3.2
27	92.67	3.2
30	94.82	2.2
33	99.13	4.3
36	103.44	4.3
39	107.75	4.3
42	112.06	4.3
45	116.37	4.3
48	118.53	2.2
51	121.76	3.2
54	123.91	2.2
57	126.07	2.2
60	130.38	4.3

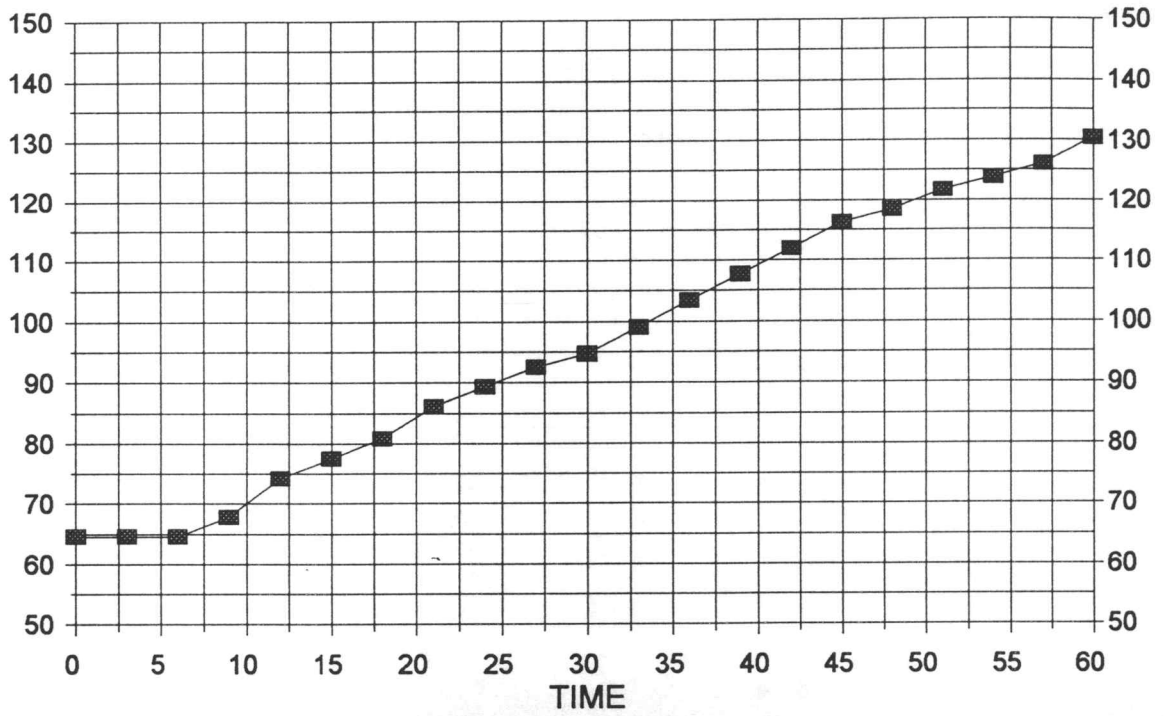
**FINAL FLOW**

DST # 6  
RECORDER 6730

TIME(MIN)	PRESSURE	<> PRESSURE
0	168.10	168.1
3	168.10	0.0
6	168.10	0.0
9	168.10	0.0
12	168.10	0.0
15	168.10	0.0
18	168.10	0.0
21	168.10	0.0
24	168.10	0.0
27	168.10	0.0
30	172.41	4.3
33	172.41	0.0
36	172.41	0.0
39	172.41	0.0
42	172.41	0.0
45	172.41	0.0
48	178.87	6.5
51	178.87	0.0
54	178.87	0.0
57	183.18	4.3
60	183.18	0.0

# DELTA T DELTA P

INITIAL FLOW / DST #6



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

25.44268

# INITIAL SHUT-IN

JACK D LEE #3

DST # 6

INITIAL FLOW TIME 60

SLOPE

681.5

PSI/CYCLE

P\*

1142.96

PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
	3	134.69	1.322	134.7	21
	6	148.70	1.041	14.0	11
	9	167.02	0.885	18.3	8
	12	177.79	0.778	10.8	6
	15	193.96	0.699	16.2	5
	18	221.98	0.637	28.0	4
	21	244.60	0.586	22.6	4
	24	312.49	0.544	67.9	4
	27	372.84	0.508	60.3	3
	30	459.97	0.477	87.1	3
	33	551.93	0.450	92.0	3
	36	664.22	0.426	112.3	3
	39	748.94	0.405	84.7	3
	42	807.24	0.385	58.3	2
	45	849.58	0.368	42.3	2
	48	872.89	0.352	23.3	2
	51	898.33	0.338	25.4	2
	54	913.16	0.325	14.8	2
Q	57	930.11	0.312	16.9	2
	60	939.63	0.301	9.5	2
X	63	944.93	0.291	5.3	2

**FINAL SHUT-IN**

JACK D LEE #3

DST # 6

TOTAL FLOW TIME 120

SLOPE

389.0

PSI/CYCLE

P\*

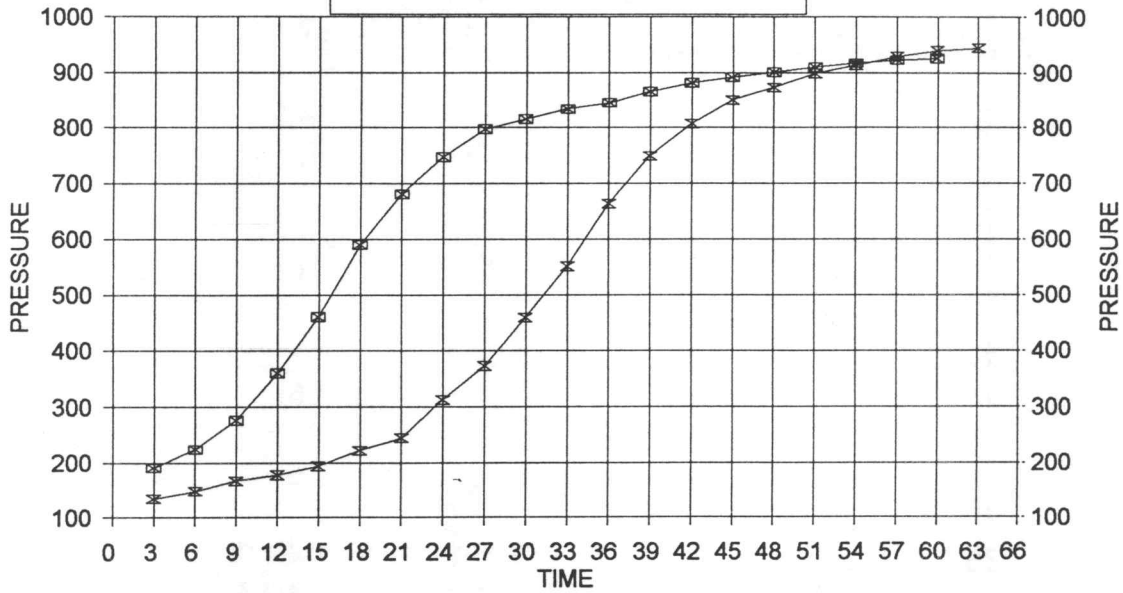
1111.45

PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Horn T</u>	<u>&lt;&gt; PRESSURE</u>	<u>Horn T</u>
	3	190.72	1.613	190.7	41
	6	224.13	1.322	33.4	21
	9	276.93	1.156	52.8	14
	12	359.91	1.041	83.0	11
	15	461.04	0.954	101.1	9
	18	590.11	0.885	129.1	8
	21	681.18	0.827	91.1	7
	24	746.83	0.778	65.6	6
	27	797.71	0.736	50.9	5
	30	815.71	0.699	18.0	5
	33	833.71	0.666	18.0	5
	36	845.35	0.637	11.6	4
	39	865.47	0.610	20.1	4
	42	881.37	0.586	15.9	4
Q	45	891.97	0.564	10.6	4
	48	900.45	0.544	8.5	4
	51	909.98	0.525	9.5	3
	54	917.40	0.508	7.4	3
	57	922.69	0.492	5.3	3
X	60	925.87	0.477	3.2	3

# DELTA T DELTA P

## JACK D LEE #3/DST 6



# HORNER PLOT

