

DST REPORT

GENERAL INFORMATION

DATE	: 9/13/94	TICKET	: 20895
CUSTOMER	: STAAB OIL COMPANY	LEASE	: GATES A
WELL	: #8-18	TEST:	1
ELEVATION:		GEOLOGIST:	MORGENSTEEN
SECTION	: 18	FORMATION:	L KANSAS CITY J
RANGE	: 27W	TOWNSHIP	: 16S
GAUGE SN#:	11018	STATE	: KS
		CLOCK	: 12
	COUNTY: LANE		
	RANGE : 4425		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4082.00 ft	TO:	4105.00 ft	TVD:	4105.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4085.0 ft		4102.0 ft		
TEMPERATURE:	114.0				
DRILL COLLAR LENGTH:	0.0 ft	I.D.:		0.000 in	
WEIGHT PIPE LENGTH :	910.0 ft	I.D.:		2.700 in	
DRILL PIPE LENGTH :	3162.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	23.0 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 :		4.5FH	
PACKER DEPTH:	4077.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4082.0 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. :	SHIELDS DRLG RIG 1	VISCOSITY :	47.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.400 cc
WEIGHT :	9.200 ppg		
CHLORIDES :	3200 ppm	SERIAL NUMBER:	
JARS-MAKE :		REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW - 1/2 INCH BLOW.
FINAL FLOW PERIOD WEAK BLOW - 1/4 INCH BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	0.0	0.0	10.0	90.0	OIL SPECKED DRILLING MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 6000 PPM

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:	0.5736	STB	AVERAGE WATER RATE:	15.2953	STB/D
WATER VOLUME:	0.0637	STB			
TOTAL FLUID :	0.6373	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2030.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	11.00	16.00
INITIAL SHUT-IN	30.00		1096.00
FINAL FLOW	30.00	26.00	37.00
FINAL SHUT-IN	30.00		1081.00

FINAL HYDROSTATIC PRESSURE: 2004.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2079.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	58.00	52.00
INITIAL SHUT-IN	30.00		1127.00
FINAL FLOW	30.00	119.00	72.00
FINAL SHUT-IN	33.00		1111.00

FINAL HYDROSTATIC PRESSURE: 2063.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 9/13/94	TICKET	: 20895
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WELL	: #8-18	TEST:	1
ELEVATION:		GEOLOGIST:	MORGENSTEEN
SECTION	: 18	FORMATION:	L KANSAS CITY J
RANGE	: 27W	TOWNSHIP	: 16S
GAUGE SN#:	11018	STATE	: KS
		CLOCK	: 12
	COUNTY: LANE		
	RANGE : 4425		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	58.00	58.00
5.00	58.00	0.00
10.00	51.00	-7.00
15.00	50.00	-1.00
20.00	50.00	0.00
25.00	51.00	1.00
30.00	52.00	1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	111.00	111.00	0.00
6.00	428.00	317.00	0.00
9.00	1079.00	651.00	0.00
12.00	1095.00	16.00	0.00
15.00	1104.00	9.00	0.00
18.00	1111.00	7.00	0.00
21.00	1115.00	4.00	0.00
24.00	1120.00	5.00	0.00
27.00	1125.00	5.00	0.00
30.00	1127.00	2.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	119.00	119.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

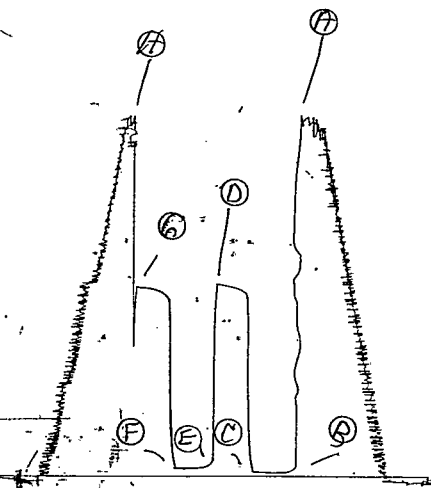
Time (min)	Pressure	Delta P
5.00	83.00	-36.00
10.00	75.00	-8.00
15.00	72.00	-3.00
20.00	72.00	0.00
25.00	72.00	0.00
30.00	72.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	230.00	230.00	0.00
6.00	936.00	706.00	0.00
9.00	1058.00	122.00	0.00
12.00	1076.00	18.00	0.00
15.00	1088.00	12.00	0.00
18.00	1097.00	9.00	0.00
21.00	1103.00	6.00	0.00
24.00	1106.00	3.00	0.00
27.00	1108.00	2.00	0.00
30.00	1110.00	2.00	0.00
33.00	1111.00	1.00	0.00

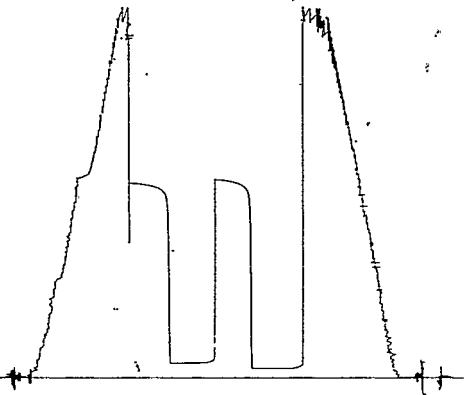
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DST REPORT

GENERAL INFORMATION

DATE	: 9/13/94	TICKET	: 20896
CUSTOMER	: STAAB OIL COMPANY	LEASE	: GATES A
WELL	: #8-18	TEST:	2
ELEVATION:		GEOLOGIST:	MORGENSTEEN
SECTION	: 18	FORMATION:	L KANSAS CITY K
RANGE	: 27W	TOWNSHIP	: 16S
GAUGE SN#:	11018	STATE	: KS
		CLOCK	: 12
	COUNTY: LANE		
	RANGE : 4425		

WELL INFORMATION

PERFORATION INTERVAL FROM:	4113.00 ft	TO:	4135.00 ft	TVD:	4135.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4116.0 ft		4132.0 ft		
TEMPERATURE:	119.0				
DRILL COLLAR LENGTH:	0.0 ft	I.D.:		0.000 in	
WEIGHT PIPE LENGTH :	900.0 ft	I.D.:		2.700 in	
DRILL PIPE LENGTH :	3193.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	22.0 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 :		4.5FH	
PACKER DEPTH:	4108.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4113.0 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. :	SHIELDS DRLG RIG 1	VISCOSITY :	47.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.400 cc
WEIGHT :	9.200 ppg	SERIAL NUMBER:	
CHLORIDES :	3200 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD FAIR BLOW - SLOWLY BUILDING TO
4 INCHES. FINAL FLOW PERIOD WEAK BLOW - SLOWLY
BUILDING TO 3 INCHES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	0.0	100.0	DRILLING MUD
120.0	0.0	0.0	30.0	70.0	WATER CUT MUD
300.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 45000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	1.4446	STB		
WATER VOLUME:	2.3793	STB		
TOTAL FLUID :	3.8238	STB		
			TOTAL FLOW TIME:	95.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	45.0810 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2060.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	67.00	122.00
INITIAL SHUT-IN	45.00		854.00
FINAL FLOW	45.00	195.00	233.00
FINAL SHUT-IN	45.00		842.00

FINAL HYDROSTATIC PRESSURE: 2032.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2128.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	83.00	140.00
INITIAL SHUT-IN	45.00		866.00
FINAL FLOW	50.00	210.00	250.00
FINAL SHUT-IN	45.00		853.00

FINAL HYDROSTATIC PRESSURE: 2039.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

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CUSTOMER : STAAB OIL COMPANY	LEASE : GATES A
WELL : #8-18 TEST: 2	GEOLOGIST: MORGENSTEEN
ELEVATION:	FORMATION: L KANSAS CITY K
SECTION : 18	TOWNSHIP : 16S
RANGE : 27W COUNTY: LANE	STATE : KS
GAUGE SN#: 11018 RANGE : 4425	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	83.00	83.00
5.00	83.00	0.00
10.00	83.00	0.00
15.00	83.00	0.00
20.00	83.00	0.00
25.00	90.00	7.00
30.00	102.00	12.00
35.00	113.00	11.00
40.00	128.00	15.00
45.00	140.00	12.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	694.00	694.00	0.00
6.00	741.00	47.00	0.00
9.00	780.00	39.00	0.00
12.00	801.00	21.00	0.00
15.00	816.00	15.00	0.00
18.00	827.00	11.00	0.00
21.00	836.00	9.00	0.00
24.00	843.00	7.00	0.00
27.00	849.00	6.00	0.00
30.00	854.00	5.00	0.00
33.00	857.00	3.00	0.00
36.00	860.00	3.00	0.00
39.00	862.00	2.00	0.00
42.00	864.00	2.00	0.00
45.00	866.00	2.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

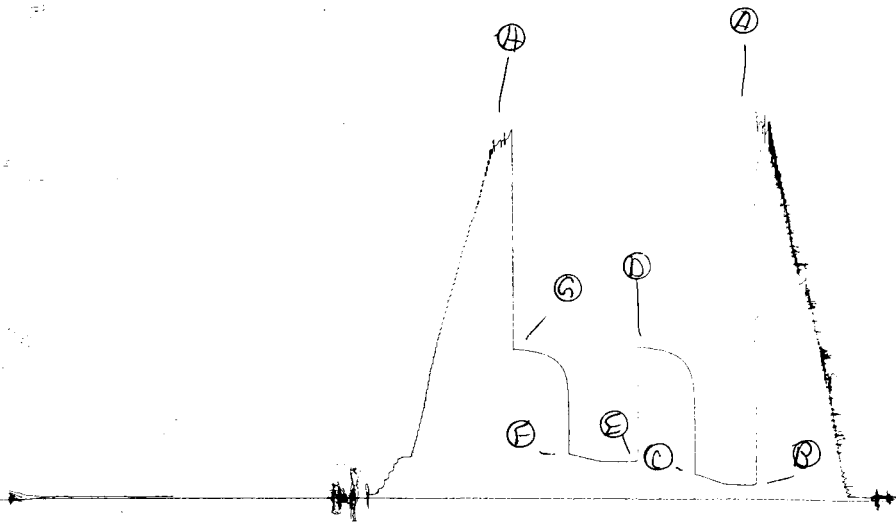
Time (min)	Pressure	Delta P
0.00	210.00	210.00
5.00	210.00	0.00
10.00	210.00	0.00
15.00	210.00	0.00
20.00	210.00	0.00
25.00	210.00	0.00
30.00	212.00	2.00
35.00	221.00	9.00
40.00	231.00	10.00
45.00	239.00	8.00
50.00	250.00	11.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	691.00	691.00	0.00
6.00	740.00	49.00	0.00
9.00	777.00	37.00	0.00
12.00	794.00	17.00	0.00
15.00	808.00	14.00	0.00
18.00	820.00	12.00	0.00
21.00	826.00	6.00	0.00
24.00	834.00	8.00	0.00
27.00	839.00	5.00	0.00
30.00	842.00	3.00	0.00
33.00	845.00	3.00	0.00
36.00	847.00	2.00	0.00
39.00	849.00	2.00	0.00
42.00	851.00	2.00	0.00
45.00	853.00	2.00	0.00

DSF #2 ROC#11018

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DST #2 ROC #13629

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