

DST REPORT

GENERAL INFORMATION

DATE : 5-18-95	TICKET : 20785
CUSTOMER : RED OAK ENERGY	LEASE : D'ARCY-CLINE
WELL : #1-13 TEST: 1	GEOLOGIST: BANKS
ELEVATION: 3809 GR	FORMATION: MORROW
SECTION : 13	TOWNSHIP : 15S
RANGE : 42W COUNTY: WALLACE	STATE : KS
GAUGE SN#: 13760 RANGE : 3950	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4965.00 ft	TO: 5080.00 ft	TVD: 5185.0 ft
DEPTH OF SELECTIVE ZONE:	TEST TYPE: GAS	
DEPTH OF RECORDERS: 4973.0 ft	4976.0 ft	
TEMPERATURE: 0.0		
DRILL COLLAR LENGTH: 502.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4431.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 32.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 115.0 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: 4961.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4965.0 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. : MURFIN #3	VISCOSITY : 66.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 10.200 cc
WEIGHT : 9.300 ppg	
CHLORIDES : 6000 ppm	SERIAL NUMBER: 414
JARS-MAKE : WTC	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD-STRONG BLOW-BOTTOM OF BUCKET
IN 4 MINUTES. FINAL FLOW PERIOD-STRONG BLOW-
BOTTOM IN 12 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
180.0	0.0	0.0	0.0	100.0	MUD
1345.0	0.0	3.0	97.0	0.0	GASSY WATER
0.0	0.0	0.0	0.0	0.0	FEW OIL SPOTS IN TOP OF
0.0	0.0	0.0	0.0	0.0	TOOL
0.0	0.0	0.0	0.0	0.0	CHLORIDES 38,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	70.0000	min.
GAS VOLUME:	2.3893	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	2.5247	STB	AVERAGE WATER RATE:	283.0375	STB/D
WATER VOLUME:	13.7588	STB			
TOTAL FLUID :	16.2835	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2653.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	595.00	634.00
INITIAL SHUT-IN	45.00		819.00
FINAL FLOW	45.00	799.00	809.00
FINAL SHUT-IN	60.00		819.00

FINAL HYDROSTATIC PRESSURE: 2583.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2626.00

Description	Duration	p1	p End
INITIAL FLOW	25.00	623.00	743.00
INITIAL SHUT-IN	42.00		819.00
FINAL FLOW	45.00	809.00	824.00
FINAL SHUT-IN	60.00		826.00

FINAL HYDROSTATIC PRESSURE: 2575.00

PRESSURE TRANSIENT REPORT

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INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	623.00	623.00
5.00	607.00	-16.00
10.00	633.00	26.00
15.00	648.00	15.00
20.00	721.00	73.00
25.00	743.00	22.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	797.00	797.00	0.00
6.00	804.00	7.00	0.00
9.00	809.00	5.00	0.00
12.00	812.00	3.00	0.00
15.00	814.00	2.00	0.00
18.00	815.00	1.00	0.00
21.00	816.00	1.00	0.00
24.00	817.00	1.00	0.00
27.00	817.00	0.00	0.00
30.00	818.00	1.00	0.00
33.00	818.00	0.00	0.00
36.00	819.00	1.00	0.00
39.00	819.00	0.00	0.00
42.00	819.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	809.00	809.00
5.00	809.00	0.00
10.00	809.00	0.00
15.00	813.00	4.00
20.00	817.00	4.00
25.00	819.00	2.00
30.00	821.00	2.00
35.00	822.00	1.00
40.00	823.00	1.00
45.00	824.00	1.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	824.00	824.00	0.00
6.00	824.00	0.00	0.00
9.00	824.00	0.00	0.00
12.00	825.00	1.00	0.00
15.00	825.00	0.00	0.00
18.00	825.00	0.00	0.00
21.00	825.00	0.00	0.00
24.00	825.00	0.00	0.00
27.00	825.00	0.00	0.00
30.00	825.00	0.00	0.00
33.00	825.00	0.00	0.00
36.00	826.00	1.00	0.00
39.00	826.00	0.00	0.00
42.00	826.00	0.00	0.00
45.00	826.00	0.00	0.00
48.00	826.00	0.00	0.00
51.00	826.00	0.00	0.00
54.00	826.00	0.00	0.00
57.00	826.00	0.00	0.00
60.00	826.00	0.00	0.00

FLUID SAMPLE REPORT

GENERAL INFORMATION

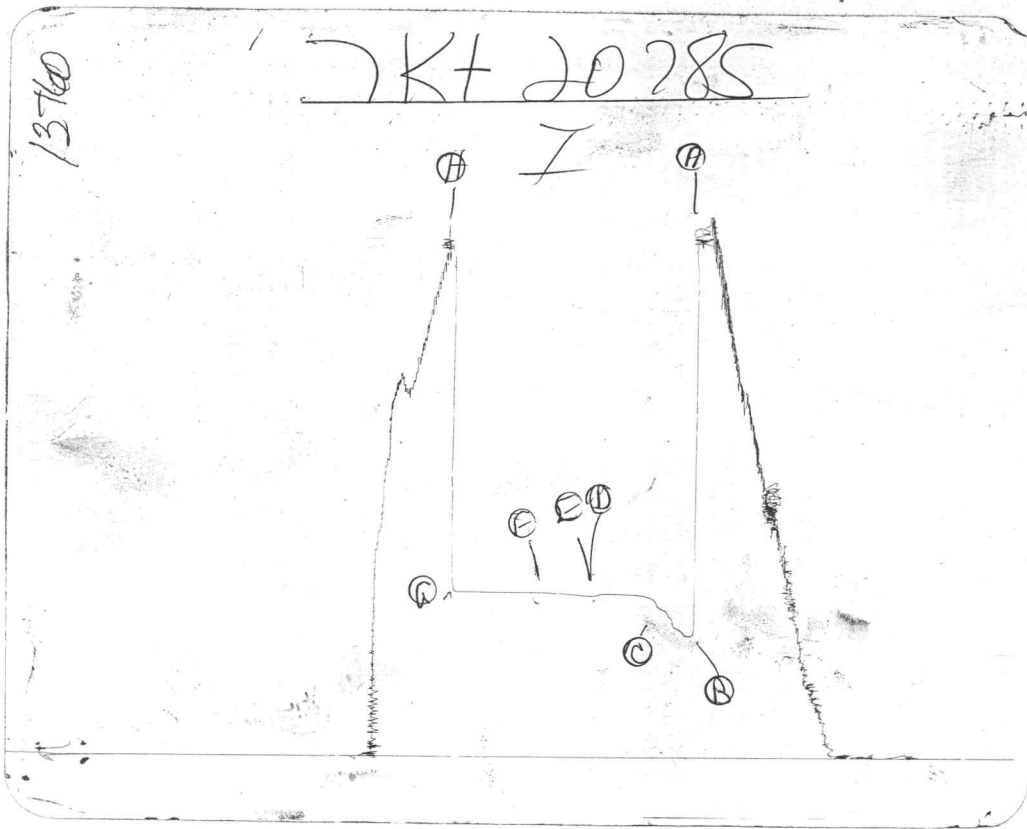
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SAMPLE INFORMATION

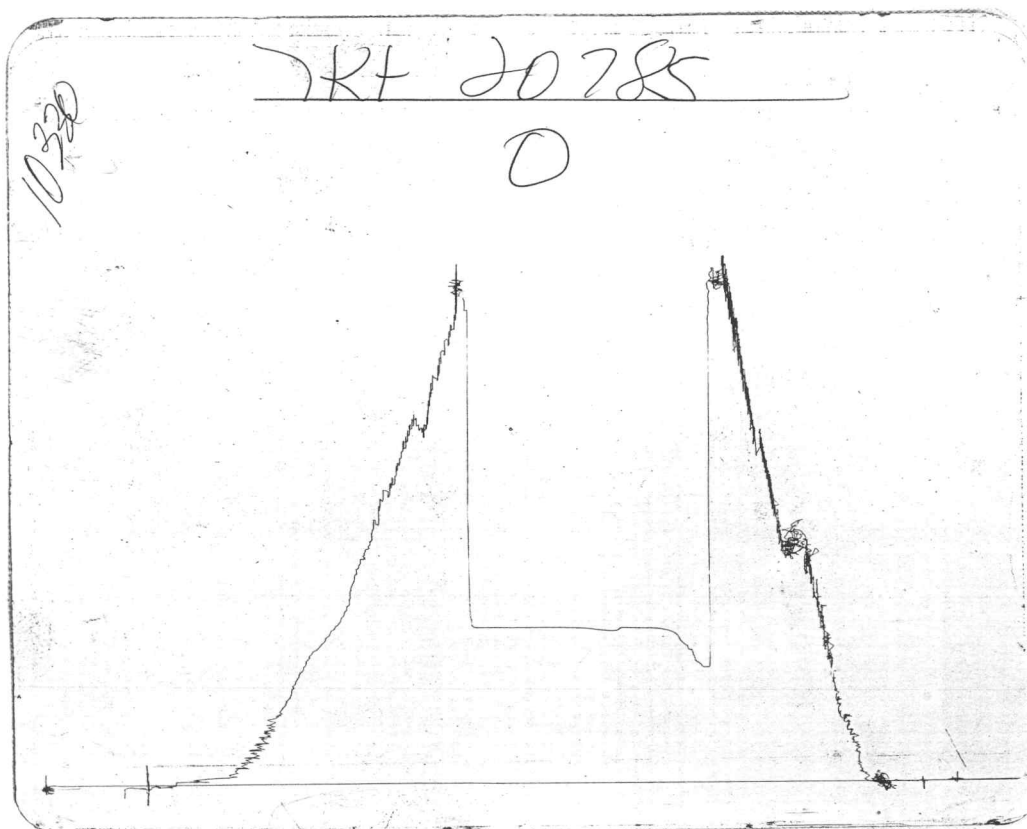
PRESSURE IN SAMPLER: 300.00 PSIG BHT: 0.0 DEG F
TOTAL VOLUME OF SAMPLER: 3150.00 cc
TOTAL VOLUME OF SAMPLE: 3100.00 cc
OIL: 0.00 cc
WATER: 3100.00 cc
MUD: 0.00 cc
GAS: 0.00 cc
OTHER: 0.00 cc

RESISTIVITY

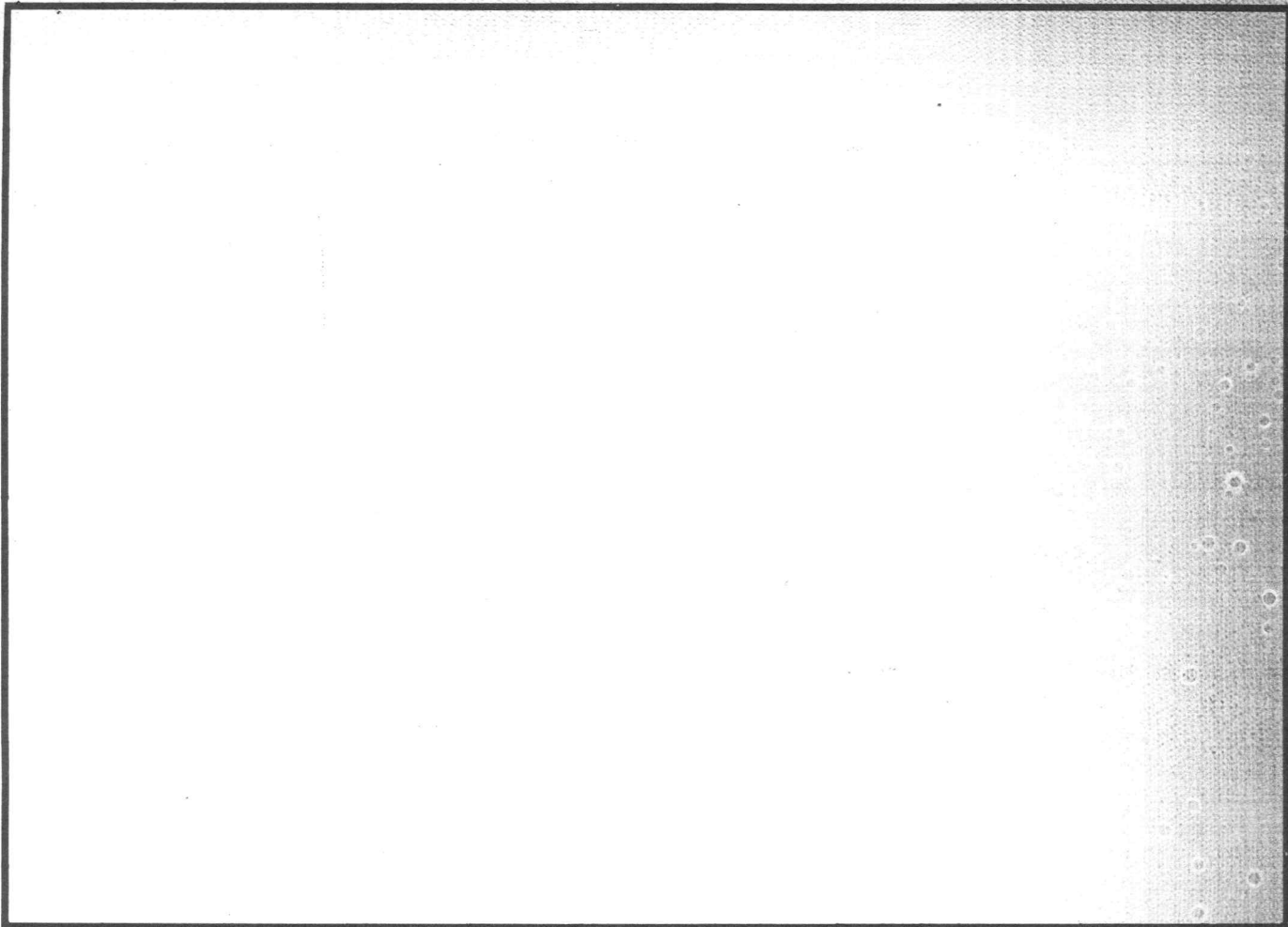
DRILLING MUD: .15 @ 62 DEGREES
MUD PIT SAMPLE:
GAS/OIL RATIO:
WHERE WAS SAMPLE DRAINED:
REMARKS:
CHLORIDE CONTENT: 38000.00 ppm
CHLORIDE CONTENT: 0.00 ppm
GRAVITY:



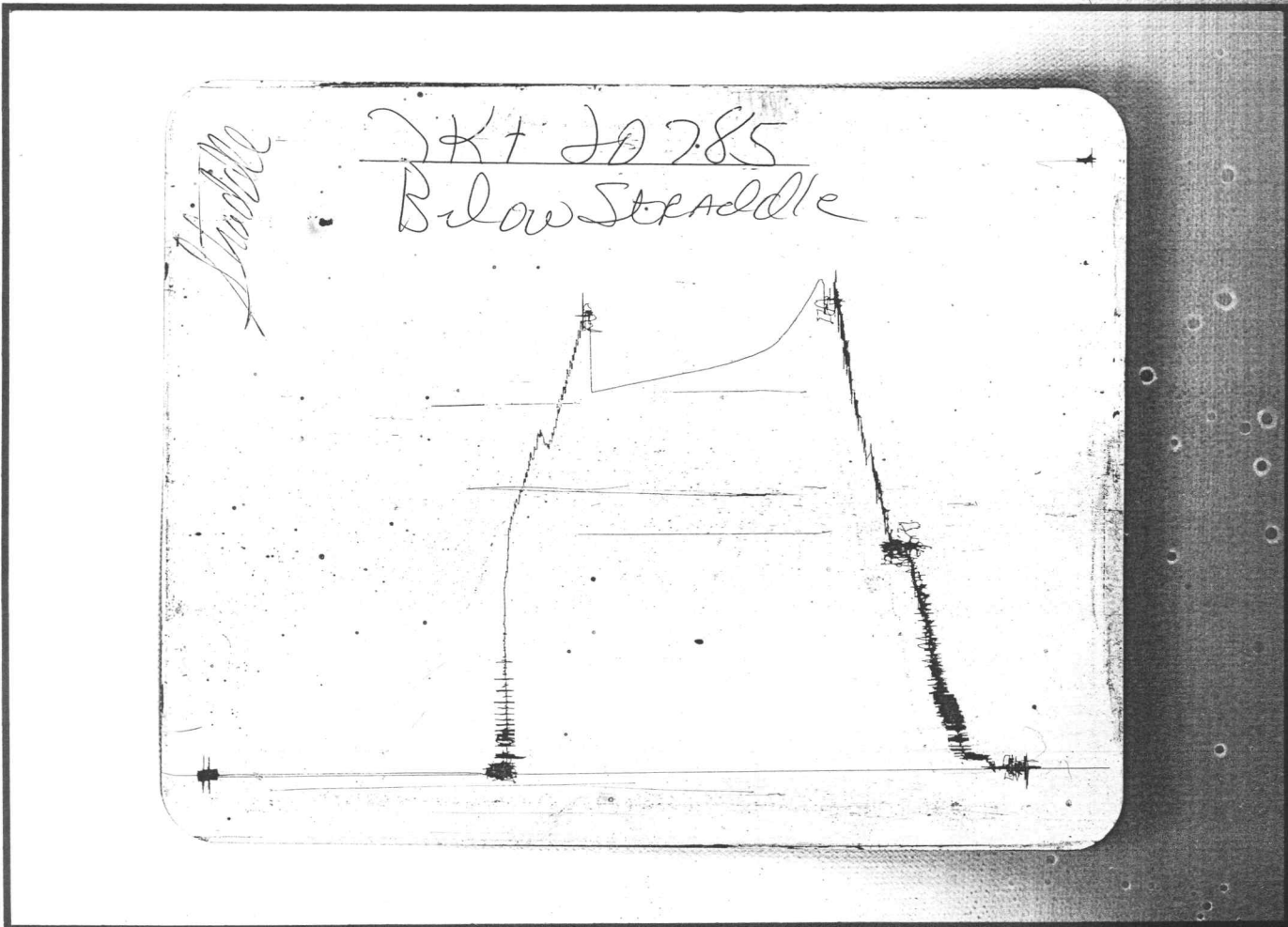
Inside Recorder



Outside Recorder



Inside Recorder



Outside Recorder