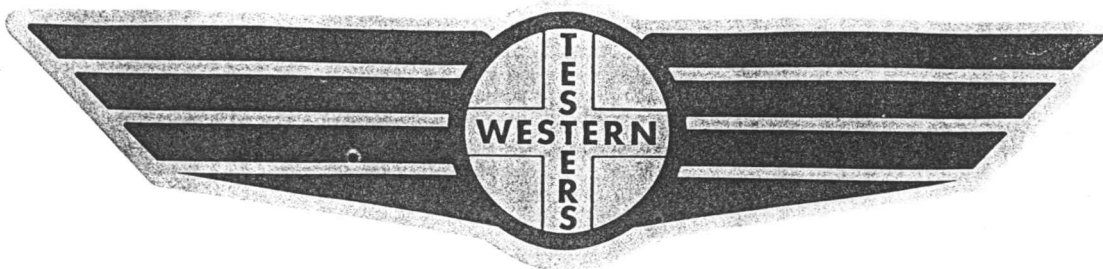


FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-888-7021

COMPANY RITCHIE EXPLORATION, INC. LEASE & WELL NO. #1 WIENS  
SHELF 35-1WP, 33S PCF, 28W-113511 NO. 1 DATE 8/27/94

DST REPORT

GENERAL INFORMATION

DATE : 8/27/94  
CUSTOMER : RITCHIE EXPLORATION, INC.  
WELL : #1 TEST: 1  
ELEVATION: 2489 GL  
SECTION : 35  
RANGE : 28W COUNTY: MEADE  
GAUGE SN#: 1051 RANGE : 4250  
TICKET : 19050  
LEASE : WIENS  
GEOLOGIST: MATHIESEN  
FORMATION: COUNCIL GROVE  
TOWNSHIP : 33S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3103.00 ft TO: 3131.00 ft TVD: 3131.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 3120.0 ft 3123.0 ft  
TEMPERATURE: 98.0  
DRILL COLLAR LENGTH: 536.0 ft I.D.: 2.250 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 2547.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 28.0 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: 3098.0 ft SIZE: 6.630 in  
PACKER DEPTH: 3103.0 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 RIG 25  
MUD TYPE : CHEMICAL VISCOSITY : 44.00 cp  
WEIGHT : 8.800 ppg WATER LOSS: 10.000 cc  
CHLORIDES : 5000 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

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

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	0.0	0.0	0.0	100.0	DRILLING MUD

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:	0.1475	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1475	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1472.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	53.00	53.00
INITIAL SHUT-IN	30.00		247.00
FINAL FLOW	30.00	53.00	53.00
FINAL SHUT-IN	30.00		161.00

FINAL HYDROSTATIC PRESSURE: 1472.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1464.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	52.00	49.00
INITIAL SHUT-IN	30.00		255.00
FINAL FLOW	30.00	69.00	69.00
FINAL SHUT-IN	27.00		170.00

FINAL HYDROSTATIC PRESSURE: 1464.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/27/94	TICKET : 19050
CUSTOMER : RITCHIE EXPLORATION, INC.	LEASE : WIENS
WELL : #1 TEST: 1	GEOLOGIST: MATHIESEN
ELEVATION: 2489 GL	FORMATION: COUNCIL GROVE
SECTION : 35	TOWNSHIP : 33S
RANGE : 28W COUNTY: MEADE	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	52.00	52.00
5.00	52.00	0.00
10.00	52.00	0.00
15.00	52.00	0.00
20.00	51.00	-1.00
25.00	50.00	-1.00
30.00	49.00	-1.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	58.00	58.00	0.00
6.00	73.00	15.00	0.00
9.00	84.00	11.00	0.00
12.00	111.00	27.00	0.00
15.00	133.00	22.00	0.00
18.00	161.00	28.00	0.00
21.00	191.00	30.00	0.00
24.00	213.00	22.00	0.00
27.00	236.00	23.00	0.00
30.00	255.00	19.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	69.00	69.00

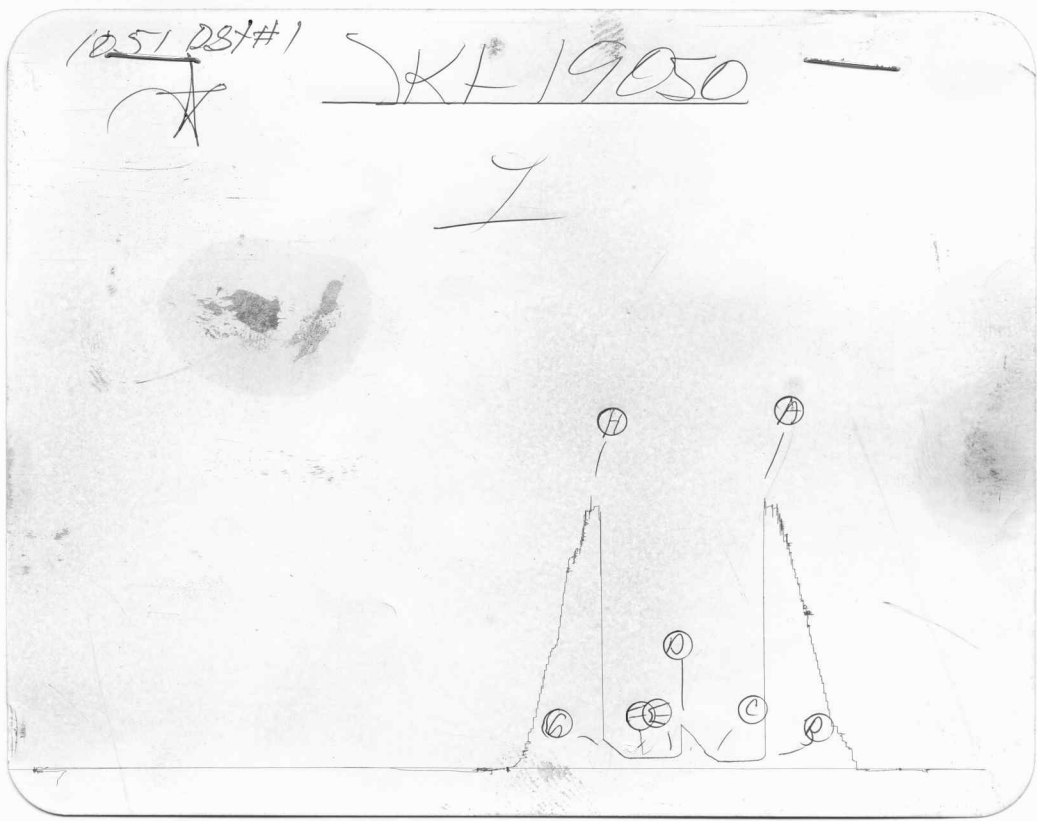
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

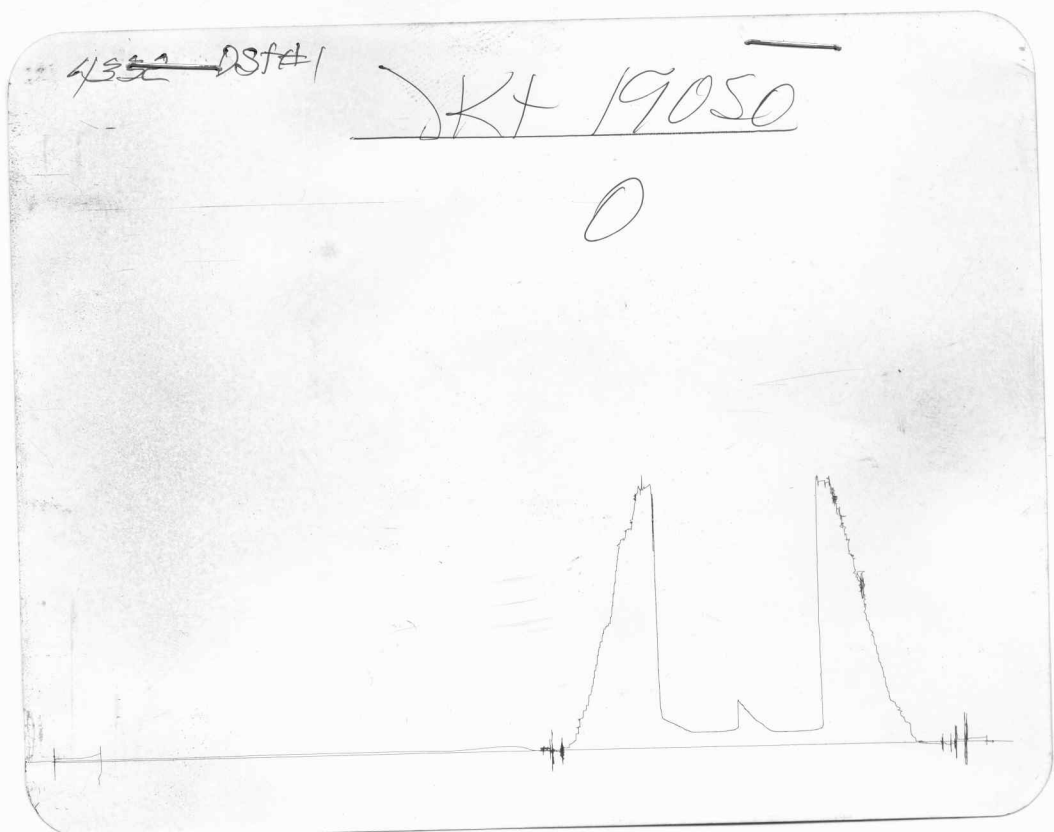
Time (min)	Pressure	Delta P
5.00	69.00	0.00
10.00	69.00	0.00
15.00	69.00	0.00
20.00	69.00	0.00
25.00	69.00	0.00
30.00	69.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	69.00	69.00	0.00
6.00	69.00	0.00	0.00
9.00	69.00	0.00	0.00
12.00	79.00	10.00	0.00
15.00	96.00	17.00	0.00
18.00	117.00	21.00	0.00
21.00	134.00	17.00	0.00
24.00	155.00	21.00	0.00
27.00	170.00	15.00	0.00



Inside Recorder



Outside Recorder