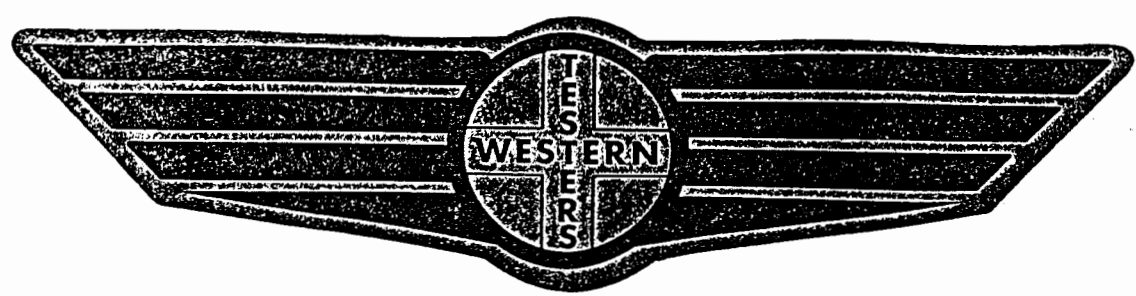


15-195-1E

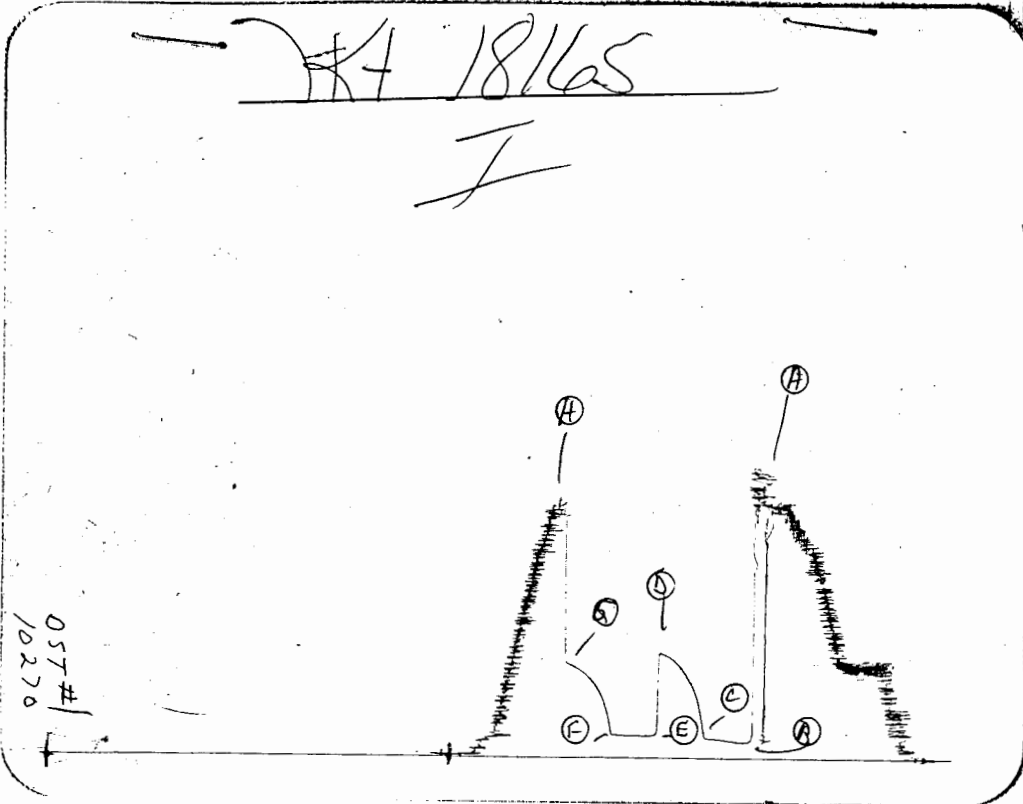
COMPANY WILDCAT RESOURCES, INC. LEASE & WELL NO. SUDERMAN #15-1 SEC. 15 TWP. 19S RGE. 1E TEST NO. 1 DATE 6/26/92

FORMATION TEST REPORT

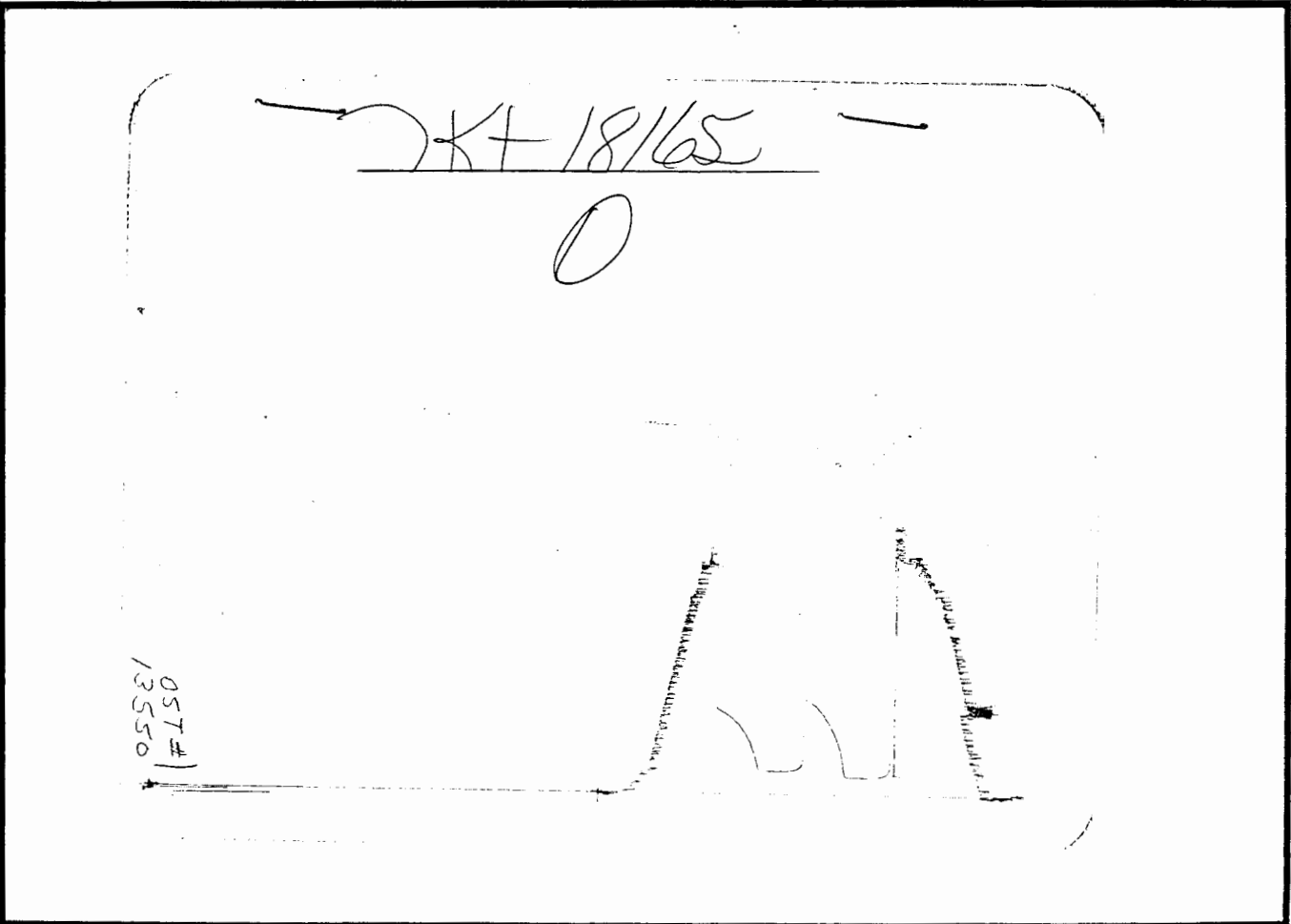


Home Office:
P.O. Box 1599

Wichita, Kansas 67201
Phone 1 - 800-688-7021



Inside Recorder



Outside Recorder

DST REPORT

GENERAL INFORMATION

DATE : 6/26/92	TICKET : 18165
CUSTOMER : WILDCAT RESOURCES, INC.	LEASE : SUDERMAN
WELL : 15-1 TEST: 1	GEOLOGIST: MERLE SCHLEHUBER ?
ELEVATION:	FORMATION: MISSISSIPPI
SECTION : 15	TOWNSHIP : 19S
RANGE : 1E COUNTY: MARION	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2786.00 ft	TO: 2813.00 ft	TVD: 2813.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 2805.0 ft	2808.0 ft	
TEMPERATURE: 114.0		
DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 3764.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 22.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 27.0 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: 2786.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : WOODMAN-IANNITTI #3	
MUD TYPE : CHEMICAL	VISCOSITY : 44.00 cp
WEIGHT : 9.100 ppg	WATER LOSS: 12.400 cc
CHLORIDES : 1700 ppm	
JARS-MAKE : W.T.C.	SERIAL NUMBER: 422
DID WELL FLOW?: YES	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 1 MINUTE.
FINAL FLOW PERIOD STRONG BLOW, GAS TO SURFACE IN
19 MINUTES.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

OPENED TOOL TWICE PACKERS DID NOT HOLD WHEN FIRST SET.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	1.0	3.0	0.0	96.0	Sly Oil & Gas Cut Mud
60.0	3.0	2.0	0.0	95.0	Sly Oil & Gas Cut Mud
60.0	3.0	0.0	49.0	48.0	Sly Oil Cut Muddy Water
0.0	0.0	0.0	0.0	0.0	Chlorides 21000 P.P.M.

RATE INFORMATION

OIL VOLUME: 0.0673 STB
 GAS VOLUME: 0.3780 SCF
 MUD VOLUME: 2.8193 STB
 WATER VOLUME: 0.4124 STB
 TOTAL FLUID : 3.2990 STB

TOTAL FLOW TIME: 70.0000 min.
 AVERAGE OIL RATE: 51.5514 STB/D
 AVERAGE WATER RATE: 16.3137 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1371.00

Description	Duration	p1	p End
INITIAL FLOW	35.00	83.00	104.00
INITIAL SHUT-IN	35.00		572.00
FINAL FLOW	35.00	114.00	125.00
FINAL SHUT-IN	35.00		510.00

FINAL HYDROSTATIC PRESSURE: 1371.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6/26/92	TICKET : 18165
CUSTOMER : WILDCAT RESOURCES, INC.	LEASE : SUDERMAN
WELL : 15-1 TEST: 1	GEOLOGIST: MERLE SCHLEHUBER ?
ELEVATION:	FORMATION: MISSISSIPPI
SECTION : 15	TOWNSHIP : 19S
RANGE : 1E COUNTY: MARION	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

INITIAL FLOW

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>
0.00	88.00	88.00
5.00	88.00	0.00
10.00	88.00	0.00
15.00	92.00	4.00
20.00	96.00	4.00
25.00	102.00	6.00
30.00	104.00	2.00
35.00	106.00	2.00

INITIAL SHUT IN

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	191.00	191.00	0.00
6.00	296.00	105.00	0.00
9.00	359.00	63.00	0.00
12.00	406.00	47.00	0.00
15.00	441.00	35.00	0.00
18.00	477.00	36.00	0.00
21.00	500.00	23.00	0.00
24.00	523.00	23.00	0.00
27.00	539.00	16.00	0.00
30.00	554.00	15.00	0.00
33.00	561.00	7.00	0.00
36.00	571.00	10.00	0.00

FINAL FLOW

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>
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COPY

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1384.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	35.00	88.00	106.00
INITIAL SHUT-IN	36.00		571.00
FINAL FLOW	35.00	122.00	125.00
FINAL SHUT-IN	36.00		512.00

FINAL HYDROSTATIC PRESSURE: 1346.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	122.00	122.00
5.00	122.00	0.00
10.00	122.00	0.00
15.00	122.00	0.00
20.00	122.00	0.00
25.00	122.00	0.00
30.00	123.00	1.00
35.00	125.00	2.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	220.00	220.00	0.00
6.00	284.00	64.00	0.00
9.00	337.00	53.00	0.00
12.00	376.00	39.00	0.00
15.00	406.00	30.00	0.00
18.00	430.00	24.00	0.00
21.00	451.00	21.00	0.00
24.00	468.00	17.00	0.00
27.00	482.00	14.00	0.00
30.00	494.00	12.00	0.00
33.00	506.00	12.00	0.00
36.00	512.00	6.00	0.00

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GAS FLOW REPORT

GENERAL INFORMATION

DATE : 6/26/92	TICKET : 18165
CUSTOMER : WILDCAT RESOURCES, INC.	LEASE : SUDERMAN
WELL : 15-1 TEST: 1	GEOLOGIST: MERLE SCHLEHUBER ?
ELEVATION:	FORMATION: MISSISSIPPI
SECTION : 15	TOWNSHIP : 19S
NGE : 1E COUNTY: MARION	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
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SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
19 MIN.	MERLA	0.250		GAS TO SURFACE
25 MIN.	MERLA	0.250	1" WTR	1680 SCF/D
30 MIN.	MERLA	0.250	5" WTR	3710 SCF/D
35 MIN.	MERLA	0.250	7" WTR	4450 SCF/D