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CONFIDENTIAL

ORIGINAL

FORMATION TEST REPORT

RELEASED
JAN 17 1996
FROM CONFIDENTIAL

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Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 19 1994

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

36-33-12W

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ORIGINAL

FORMATION TEST REPORT

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RELEASED
JAN 17 1996
FROM CONFIDENTIAL

Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone 1-800-688-7021

COMPANY DLB OIL & GAS LEASE & WELL NO. #36-33 NURSE SEC. 36 TWP. 33S RGE. 12W TEST NO. 1 DATE 7/24/94

API #15-007-22447

NW SESE

36-33-12W

DST REPORT

GENERAL INFORMATION

DATE	: 7/24/94	TICKET	: 20517
CUSTOMER	: D L B OIL & GAS	LEASE	: NURSE
WELL	: #36-33 TEST: 1	GEOLOGIST	: HICKMAN
ELEVATION	: 1459 GL	FORMATION	: HERTHA
SECTION	: 36	TOWNSHIP	: 33S
RANGE	: 12W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 4339 RANGE : 4300	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4397.00 ft TO: 4415.00 ft TVD: 4415.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4405.0 ft 4408.0 ft
TEMPERATURE: 124.0

DRILL COLLAR LENGTH:	502.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3864.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	31.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	18.0 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:	4392.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4397.0 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.	: EAGLE		
MUD TYPE	: CHEMICAL	VISCOSITY :	50.00 cp
WEIGHT	: 8.700 ppg	WATER LOSS:	13.500 cc
CHLORIDES	: 3000 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	605
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD OFF BOTTOM OF BUCKET IN 1 MINUTE. FINAL FLOW PERIOD STEADY BLOW ON BOTTOM OF BUCKET.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
45.0	0.0	0.0	35.0	65.0	MUDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 32000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	90.0000 min.
MUD VOLUME:	0.1438 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0775 STB	AVERAGE WATER RATE:	3.5406 STB/D
TOTAL FLUID :	0.2213 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2200.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	102.00	68.00
INITIAL SHUT-IN	60.00		845.00
FINAL FLOW	60.00	102.00	68.00
FINAL SHUT-IN	120.00		1440.00

FINAL HYDROSTATIC PRESSURE: 2222.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2386.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	92.00	65.00
INITIAL SHUT-IN	57.00		850.00
FINAL FLOW	60.00	95.00	63.00
FINAL SHUT-IN	117.00		1456.00

FINAL HYDROSTATIC PRESSURE: 2229.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/24/94	TICKET	: 20517
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WELL	: #36-33 TEST: 1	GEOLOGIST	: HICKMAN
ELEVATION	: 1459 GL	FORMATION	: HERTHA
SECTION	: 36	TOWNSHIP	: 33S
RANGE	: 12W COUNTY: BARBER	STATE	: KS
GAUGE SN#	: 4339 RANGE : 4300	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	92.00	92.00
5.00	90.00	-2.00
10.00	84.00	-6.00
15.00	75.00	-9.00
20.00	72.00	-3.00
25.00	68.00	-4.00
30.00	65.00	-3.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	79.00	79.00	0.00
6.00	97.00	18.00	0.00
9.00	118.00	21.00	0.00
12.00	150.00	32.00	0.00
15.00	177.00	27.00	0.00
18.00	211.00	34.00	0.00
21.00	250.00	39.00	0.00
24.00	284.00	34.00	0.00
27.00	325.00	41.00	0.00
30.00	363.00	38.00	0.00
33.00	406.00	43.00	0.00
36.00	477.00	71.00	0.00
39.00	529.00	52.00	0.00
42.00	589.00	60.00	0.00
45.00	633.00	44.00	0.00
48.00	689.00	56.00	0.00
51.00	752.00	63.00	0.00
54.00	801.00	49.00	0.00
57.00	850.00	49.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	95.00	95.00
5.00	90.00	-5.00
10.00	86.00	-4.00
15.00	84.00	-2.00
20.00	84.00	0.00
25.00	81.00	-3.00
30.00	78.00	-3.00
35.00	75.00	-3.00
40.00	72.00	-3.00
45.00	72.00	0.00
50.00	70.00	-2.00
55.00	68.00	-2.00
60.00	63.00	-5.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	109.00	109.00	0.00
6.00	159.00	50.00	0.00
9.00	200.00	41.00	0.00
12.00	250.00	50.00	0.00
15.00	302.00	52.00	0.00
18.00	354.00	52.00	0.00
21.00	404.00	50.00	0.00
24.00	459.00	55.00	0.00
27.00	513.00	54.00	0.00
30.00	562.00	49.00	0.00
33.00	618.00	56.00	0.00
36.00	660.00	42.00	0.00
39.00	712.00	52.00	0.00
42.00	763.00	51.00	0.00
45.00	805.00	42.00	0.00
48.00	859.00	54.00	0.00
51.00	895.00	36.00	0.00
54.00	946.00	51.00	0.00
57.00	984.00	38.00	0.00
60.00	1028.00	44.00	0.00
63.00	1067.00	39.00	0.00
66.00	1100.00	33.00	0.00
69.00	1133.00	33.00	0.00
72.00	1166.00	33.00	0.00
75.00	1190.00	24.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
78.00	1221.00	31.00	0.00
81.00	1243.00	22.00	0.00
84.00	1265.00	22.00	0.00
87.00	1287.00	22.00	0.00
90.00	1309.00	22.00	0.00
93.00	1331.00	22.00	0.00
96.00	1346.00	15.00	0.00
99.00	1366.00	20.00	0.00
102.00	1381.00	15.00	0.00
105.00	1399.00	18.00	0.00
108.00	1418.00	19.00	0.00
111.00	1429.00	11.00	0.00
114.00	1440.00	11.00	0.00
117.00	1456.00	16.00	0.00

FLUID SAMPLE REPORT

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ELEVATION	: 1459 GL			FORMATION	: HERTHA
SECTION	: 36			TOWNSHIP	: 33S
RANGE	: 12W	COUNTY:	BARBER	STATE	: KS
GAUGE SN#	: 4339	RANGE :	4300	CLOCK	: 12

SAMPLE INFORMATION

PRESSURE IN SAMPLER: 20.00 PSIG BHT: 124.0 DEG F

TOTAL VOLUME OF SAMPLER:	3000.00 cc
TOTAL VOLUME OF SAMPLE:	2100.00 cc
OIL:	0.00 cc
WATER:	735.00 cc
MUD:	1365.00 cc
GAS:	0.00 cc
OTHER:	0.00 cc

RESISTIVITY

DRILLING MUD:	.13 @ 70 DEGREES F	CHLORIDE CONTENT:	32000.00 ppm
MUD PIT SAMPLE:	1.2 @ 70 DEGREES F	CHLORIDE CONTENT:	3000.00 ppm
GAS/OIL RATIO:		GRAVITY:	

WHERE WAS SAMPLE DRAINED: RIG FLOOR

REMARKS:

4339

TR+ 20517 20517

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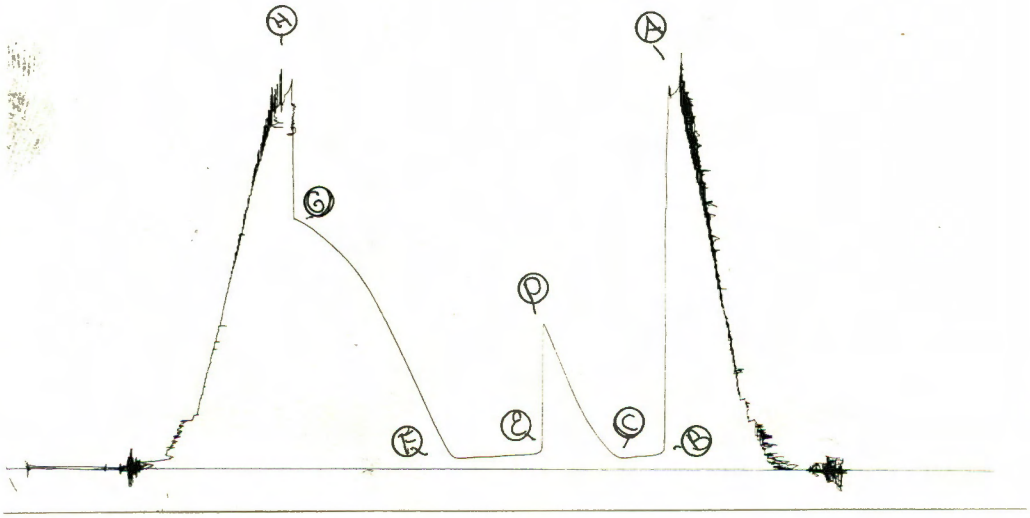

Inside Recorder

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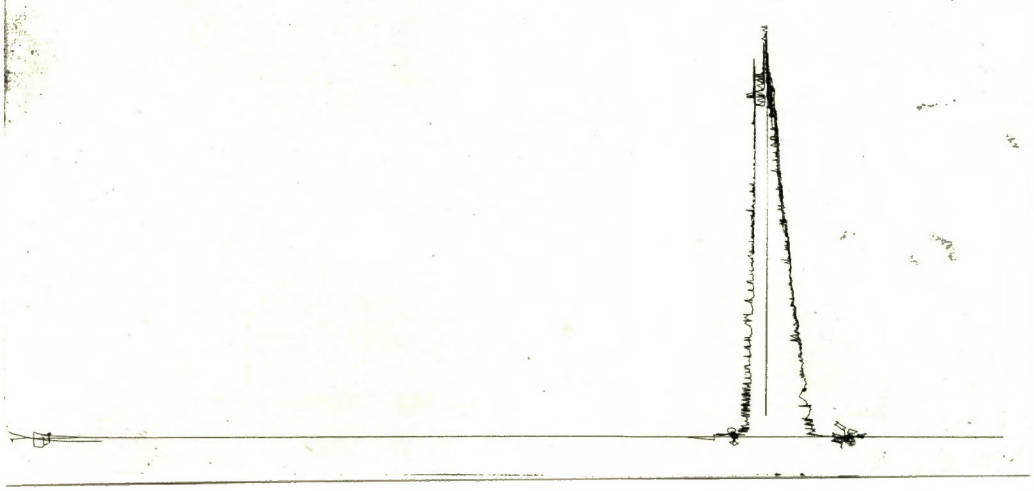
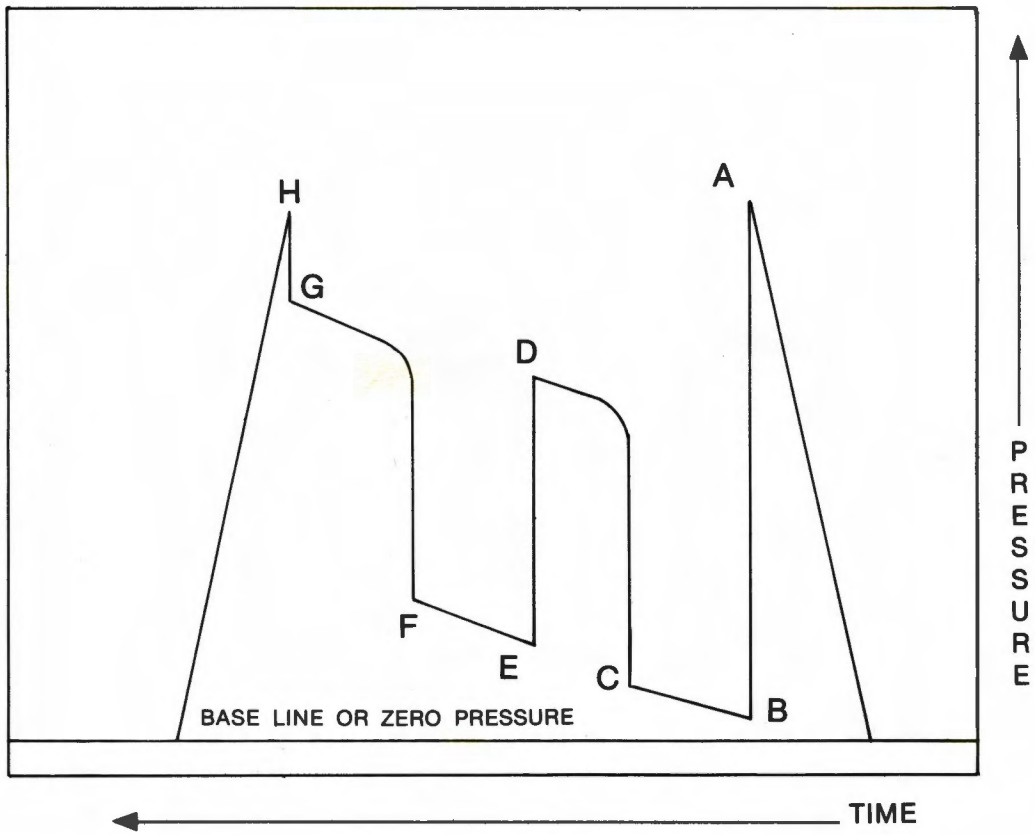


Outside Recorder

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

AK-1 Recorders



A - Initial Hydrostatic
B - First Initial Flow
C - First Final Flow
D - Initial Shut-In
E - Second Initial Flow
F - Second Final Flow
G - Final Shut-In
H - Final Hydrostatic