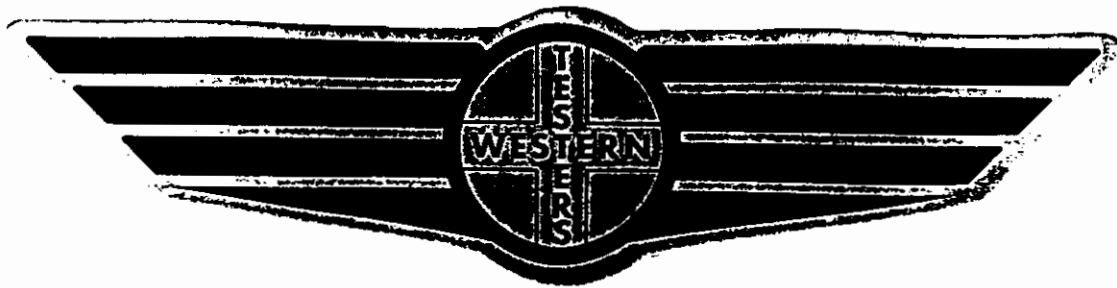


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 1/21/93	TICKET	: 19370
CUSTOMER	: JOHN O. FARMER	LEASE	: RANDLE
WELL	: 1	TEST: 1	GEOLOGIST: MARTIN DUBOIS
ELEVATION	: 1960 GL	FORMATION	: SIMPSON SAND
SECTION	: 14	TOWNSHIP	: 29S
RANGE	: 14W	STATE	: KS
GAUGE SN#	: 1051	RANGE	: 4250
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4566.00 ft	TO:	4575.00 ft	TVD:	4620.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4567.0 ft		4570.0 ft		
TEMPERATURE:	118.0				
DRILL COLLAR LENGTH:	125.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	636.0 ft	I.D.:		2.500 in	
DRILL PIPE LENGTH :	3787.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	23.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	9.0 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:	4566.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4575.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4580.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	EMPHASIS DRLG RIG 5	VISCOSITY :	58.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	17.000 cc
WEIGHT :	9.600 ppg	SERIAL NUMBER:	411
CHLORIDES :	8000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	W.T.C.		
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 2 INCH BLOW DEPLEATING TO
A 1 INCH BLOW. FINAL FLOW PERIOD VERY WEAK 1/2
INCH BLOW. 40 FT. OF TAIL PIPE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	70.0	30.0	MUDDY WATER
360.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 74000 P.P.M.

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.2186	STB		
WATER VOLUME:	2.5513	STB		
TOTAL FLUID :	2.7699	STB		
			TOTAL FLOW TIME:	75.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	53.1816 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2401.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	107.00
INITIAL SHUT-IN	30.00		1090.00
FINAL FLOW	45.00	193.00	236.00
FINAL SHUT-IN	45.00		1090.00

FINAL HYDROSTATIC PRESSURE: 2348.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2393.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	75.00	112.00
INITIAL SHUT-IN	33.00		1088.00
FINAL FLOW	45.00	203.00	229.00
FINAL SHUT-IN	48.00		1081.00

FINAL HYDROSTATIC PRESSURE: 2334.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 1/21/93	TICKET	: 19370
CUSTOMER	: JOHN O. FARMER	LEASE	: RANDLE
WELL	: 1	TEST:	1
ELEVATION:	1960 GL	GEOLOGIST:	MARTIN DUBOIS
SECTION	: 14	FORMATION:	SIMPSON SAND
RANGE	: 14W	TOWNSHIP	: 29S
GAUGE SN#:	1051	STATE	: KS
	COUNTY: PRATT	CLOCK	: 12
	RANGE : 4250		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	75.00	75.00
5.00	75.00	0.00
10.00	75.00	0.00
15.00	91.00	16.00
20.00	101.00	10.00
25.00	110.00	9.00
30.00	112.00	2.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	505.00	505.00	0.00
6.00	888.00	383.00	0.00
9.00	957.00	69.00	0.00
12.00	1005.00	48.00	0.00
15.00	1033.00	28.00	0.00
18.00	1056.00	23.00	0.00
21.00	1067.00	11.00	0.00
24.00	1075.00	8.00	0.00
27.00	1078.00	3.00	0.00
30.00	1082.00	4.00	0.00
33.00	1088.00	6.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
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COPY

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
0.00	203.00	203.00
5.00	203.00	0.00
10.00	203.00	0.00
15.00	203.00	0.00
20.00	203.00	0.00
25.00	206.00	3.00
30.00	213.00	7.00
35.00	217.00	4.00
40.00	220.00	3.00
45.00	229.00	9.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	676.00	676.00	0.00
6.00	893.00	217.00	0.00
9.00	951.00	58.00	0.00
12.00	1001.00	50.00	0.00
15.00	1027.00	26.00	0.00
18.00	1038.00	11.00	0.00
21.00	1046.00	8.00	0.00
24.00	1056.00	10.00	0.00
27.00	1060.00	4.00	0.00
30.00	1063.00	3.00	0.00
33.00	1067.00	4.00	0.00
36.00	1073.00	6.00	0.00
39.00	1076.00	3.00	0.00
42.00	1078.00	2.00	0.00
45.00	1080.00	2.00	0.00
48.00	1081.00	1.00	0.00