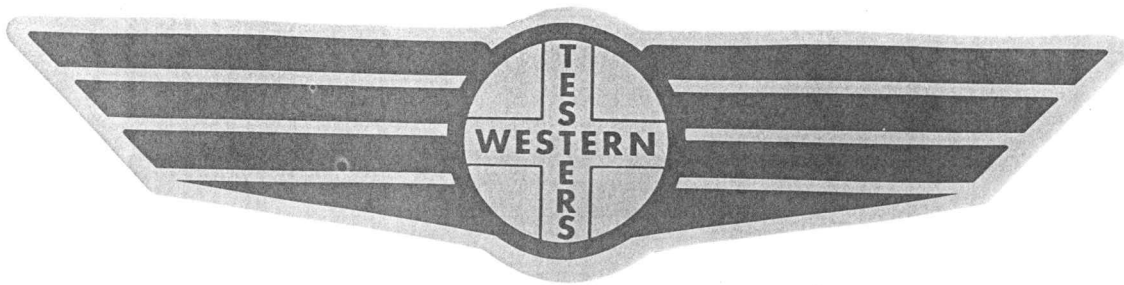


# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 8/23/94 TICKET : 20540  
CUSTOMER : HAMP OIL COMPANY LEASE : SPANGENBERG  
WELL : #2-A TEST: 1 GEOLOGIST: CRAIG  
ELEVATION: 1837 GL FORMATION: LANSING H  
SECTION : 26 TOWNSHIP : 22S  
RANGE : 12W COUNTY: STAFFORD STATE : KS  
GAUGE SN#: 10270 RANGE : 4150 CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3405.00 ft TO: 3420.00 ft TVD: 3420.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 3409.0 ft 3412.0 ft  
TEMPERATURE: 106.0

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 : 3387.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 18.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 15.0 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: 3405.0 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. : DUKE DRLG RIG 4  
MUD TYPE : CHEMICAL VISCOSITY : 49.00 cp  
WEIGHT : 8.700 ppg WATER LOSS: 10.400 cc  
CHLORIDES : 6000 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BUILDING TO A STRONG BLOW  
IN 9 MINUTES. FINAL FLOW PERIOD STRONG BLOW  
THROUGHOUT.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

SLID TOOL APPROX 5 FT TO BOTTOM

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	965 FT GAS ABOVE FLUID HEAVY OIL & GAS CUT MUD
70.0	35.0	15.0	0.0	50.0	

RATE INFORMATION

OIL VOLUME:	0.3436 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.8270 SCF	AVERAGE OIL RATE:	13.3531 STB/D
MUD VOLUME:	0.4909 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.8346 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1589.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	31.00	31.00
INITIAL SHUT-IN	30.00		790.00
FINAL FLOW	60.00	41.00	41.00
FINAL SHUT-IN	60.00		1008.00

FINAL HYDROSTATIC PRESSURE: 1589.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1622.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	38.00	38.00
INITIAL SHUT-IN	30.00		793.00
FINAL FLOW	60.00	47.00	47.00
FINAL SHUT-IN	60.00		1030.00

FINAL HYDROSTATIC PRESSURE: 1616.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/23/94	TICKET : 20540
CUSTOMER : HAMP OIL COMPANY	LEASE : SPANGENBERG
WELL : #2-A TEST: 1	GEOLOGIST: CRAIG
ELEVATION: 1837 GL	FORMATION: LANSING H
SECTION : 26	TOWNSHIP : 22S
RANGE : 12W COUNTY: STAFFORD	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	38.00	38.00
5.00	38.00	0.00
10.00	38.00	0.00
15.00	38.00	0.00
20.00	38.00	0.00
25.00	38.00	0.00
30.00	38.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	75.00	75.00	11.00
6.00	123.00	48.00	6.00
9.00	193.00	70.00	4.33
12.00	269.00	76.00	3.50
15.00	349.00	80.00	3.00
18.00	435.00	86.00	2.67
21.00	515.00	80.00	2.43
24.00	612.00	97.00	2.25
27.00	704.00	92.00	2.11
30.00	793.00	89.00	2.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	47.00	47.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	47.00	0.00
10.00	47.00	0.00
15.00	47.00	0.00
20.00	47.00	0.00
25.00	47.00	0.00
30.00	47.00	0.00
35.00	47.00	0.00
40.00	47.00	0.00
45.00	47.00	0.00
50.00	47.00	0.00
55.00	47.00	0.00
60.00	47.00	0.00

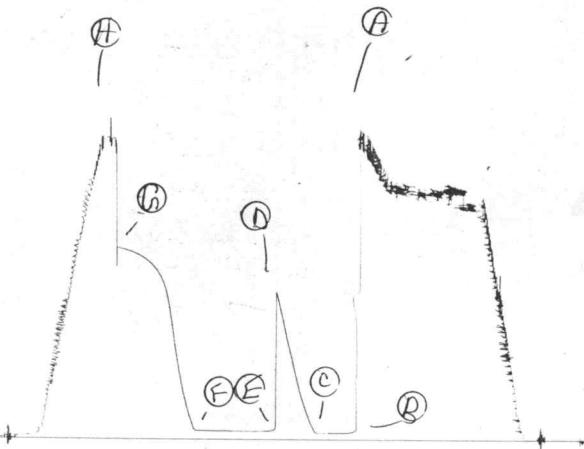
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	80.00	80.00	21.00
6.00	154.00	74.00	11.00
9.00	220.00	66.00	7.67
12.00	327.00	107.00	6.00
15.00	458.00	131.00	5.00
18.00	589.00	131.00	4.33
21.00	714.00	125.00	3.86
24.00	805.00	91.00	3.50
27.00	864.00	59.00	3.22
30.00	901.00	37.00	3.00
33.00	927.00	26.00	2.82
36.00	949.00	22.00	2.67
39.00	968.00	19.00	2.54
42.00	982.00	14.00	2.43
45.00	996.00	14.00	2.33
48.00	1003.00	7.00	2.25
51.00	1011.00	8.00	2.18
54.00	1018.00	7.00	2.11
57.00	1022.00	4.00	2.05
60.00	1030.00	8.00	2.00

KT 20540

Z

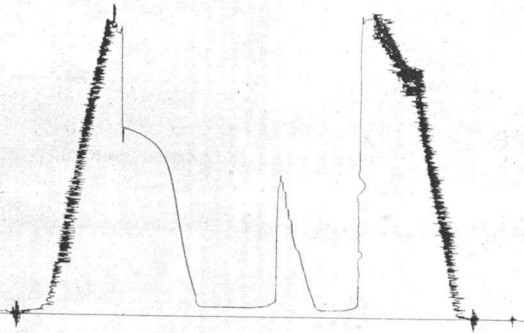
OSTA 1



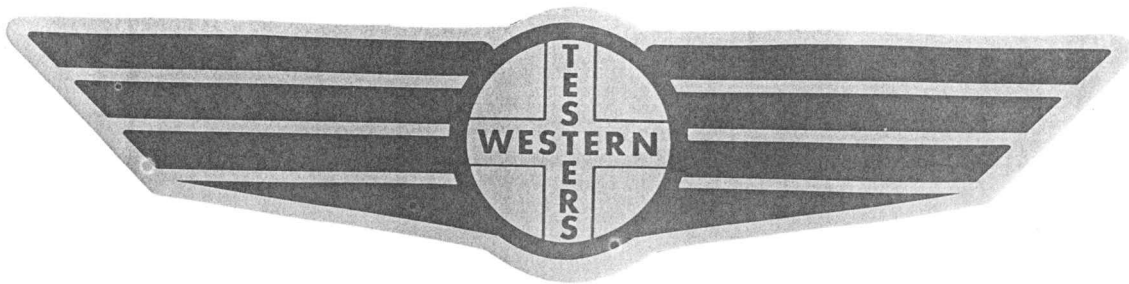
TKT J0540

①

OST-41



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7071

DST REPORT

GENERAL INFORMATION

DATE : 8/24/94  
CUSTOMER : HAMP OIL COMPANY  
WELL : #2-A TEST: 2  
ELEVATION: 1837 GL  
SECTION : 26  
RANGE : 12W COUNTY: STAFFORD  
GAUGE SN#: 10270 RANGE : 4150  
TICKET : 20541  
LEASE : SPANGENBERG  
GEOLOGIST: CRAIG  
FORMATION: LANSING I  
TOWNSHIP : 22S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3431.00 ft TO: 3460.00 ft TVD: 3460.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 3452.0 ft 3455.0 ft  
TEMPERATURE: 107.0  
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 : 3413.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 18.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 29.0 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: 3431.0 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. : DUKE DRLG RIG 4  
MUD TYPE : CHEMICAL VISCOSITY : 46.00 cp  
WEIGHT : 8.700 ppg WATER LOSS: 8.000 cc  
CHLORIDES : 8400 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BUILDING BLOW - 1/2 TO  
2 1/2 INCHES. FINAL FLOW PERIOD FAIR BUILDING TO  
A STRONG BLOW IN 13 MINUTES.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

SLID TOOL APPROX 10 TO 12 FT TO BOTTOM.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	180 FT GAS ABOVE FLUID SL OIL CUT MUD
60.0	3.0	0.0	0.0	97.0	

RATE INFORMATION

OIL VOLUME:	0.0252 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	13.4653 STB/D
MUD VOLUME:	0.8163 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.8416 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1672.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	62.00	62.00
INITIAL SHUT-IN	30.00		218.00
FINAL FLOW	60.00	62.00	62.00
FINAL SHUT-IN	60.00		541.00

FINAL HYDROSTATIC PRESSURE: 1661.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1672.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	59.00	59.00
INITIAL SHUT-IN	27.00		217.00
FINAL FLOW	60.00	58.00	66.00
FINAL SHUT-IN	60.00		580.00

FINAL HYDROSTATIC PRESSURE: 1664.00

**PRESSURE TRANSIENT REPORT**

**GENERAL INFORMATION**

DATE : 8/24/94	TICKET : 20541
CUSTOMER : HAMP OIL COMPANY	LEASE : SPANGENBERG
WELL : #2-A TEST: 2	GEOLOGIST: CRAIG
ELEVATION: 1837 GL	FORMATION: LANSING I
SECTION : 26	TOWNSHIP : 22S
RANGE : 12W COUNTY: STAFFORD	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

**INITIAL FLOW**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	59.00	59.00
5.00	59.00	0.00
10.00	59.00	0.00
15.00	59.00	0.00
20.00	59.00	0.00
25.00	59.00	0.00
30.00	59.00	0.00

**INITIAL SHUT IN**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	59.00	59.00	11.00
6.00	68.00	9.00	6.00
9.00	77.00	9.00	4.33
12.00	93.00	16.00	3.50
15.00	109.00	16.00	3.00
18.00	129.00	20.00	2.67
21.00	153.00	24.00	2.43
24.00	179.00	26.00	2.25
27.00	217.00	38.00	2.11

**FINAL FLOW**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	58.00	58.00
5.00	58.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
10.00	58.00	0.00
15.00	58.00	0.00
20.00	58.00	0.00
25.00	58.00	0.00
30.00	59.00	1.00
35.00	60.00	1.00
40.00	61.00	1.00
45.00	63.00	2.00
50.00	64.00	1.00
55.00	65.00	1.00
60.00	66.00	1.00

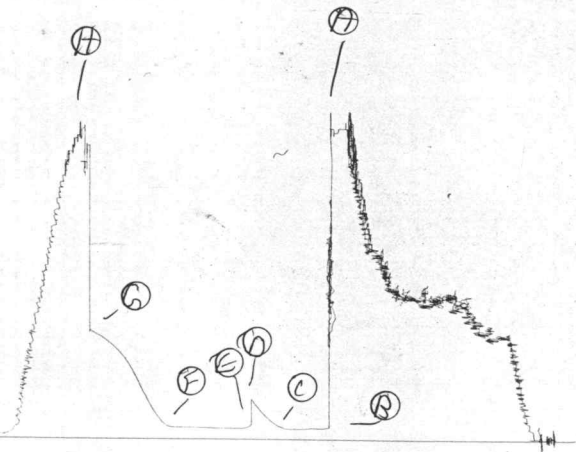
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	68.00	68.00	21.00
6.00	77.00	9.00	11.00
9.00	100.00	23.00	7.67
12.00	130.00	30.00	6.00
15.00	169.00	39.00	5.00
18.00	206.00	37.00	4.33
21.00	249.00	43.00	3.86
24.00	296.00	47.00	3.50
27.00	337.00	41.00	3.22
30.00	380.00	43.00	3.00
33.00	409.00	29.00	2.82
36.00	441.00	32.00	2.67
39.00	466.00	25.00	2.54
42.00	490.00	24.00	2.43
45.00	508.00	18.00	2.33
48.00	526.00	18.00	2.25
51.00	540.00	14.00	2.18
54.00	555.00	15.00	2.11
57.00	566.00	11.00	2.05
60.00	580.00	14.00	2.00

DKF 20541

7

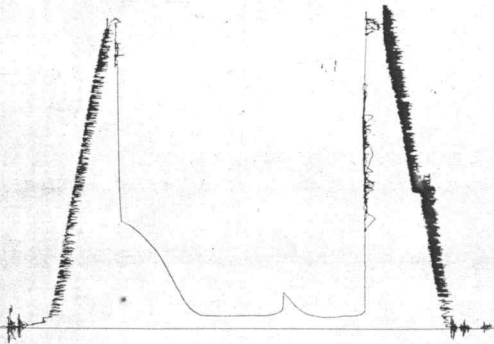
0574L  
10220



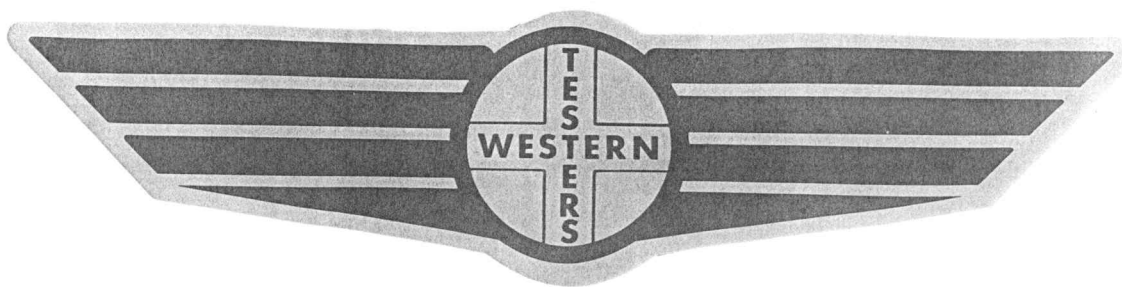
KT 20541.

0

OST 2  
13550



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE	: 8/25/94	TICKET	: 20542
CUSTOMER	: HAMP OIL COMPANY	LEASE	: SPANGENBERG
WELL	: #2-A	TEST:	3
ELEVATION:	1837 GL	GEOLOGIST:	CRAIG
SECTION	: 26	FORMATION:	LANSING J
RANGE	: 12W	COUNTY:	STAFFORD
Gauge SN#:	10270	STATE	: KS
		RANGE	: 4150
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	3467.00 ft	TO:	3490.00 ft	TVD:	3490.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3482.0 ft		3485.0 ft		
TEMPERATURE:	107.0				
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 :	3449.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	18.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	23.0 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:	3467.0 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. :	DUKE DRLG RIG 4	VISCOSITY :	44.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	13.400 cc
WEIGHT :	8.900 ppg	SERIAL NUMBER:	
CHLORIDES :	9000 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 2 MINUTES.  
FINAL FLOW PERIOD STRONG BLOW THROUGHOUT.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	450 FT GAS ABOVE FLUID
70.0	67.0	25.0	5.0	3.0	MUDDY GASSY OIL
90.0	10.0	15.0	50.0	25.0	OIL & GAS CUT MUDDY WATER
180.0	3.0	0.0	72.0	25.0	SL OIL CUT MUDDY WATER
780.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 35000 PPM

RATE INFORMATION

OIL VOLUME:	0.8598 STB	
GAS VOLUME:	2.4415 SCF	TOTAL FLOW TIME: 90.0000 min.
MUD VOLUME:	0.9762 STB	AVERAGE OIL RATE: 15.4411 STB/D
WATER VOLUME:	13.4387 STB	AVERAGE WATER RATE: 228.9541 STB/D
TOTAL FLUID :	15.2747 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1692.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	104.00	281.00
INITIAL SHUT-IN	30.00		1091.00
FINAL FLOW	60.00	354.00	562.00
FINAL SHUT-IN	60.00		1132.00

FINAL HYDROSTATIC PRESSURE: 1692.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1717.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	115.00	289.00
INITIAL SHUT-IN	30.00		1087.00
FINAL FLOW	60.00	357.00	560.00
FINAL SHUT-IN	60.00		1136.00

FINAL HYDROSTATIC PRESSURE: 1707.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/25/94	TICKET : 20542
CUSTOMER : HAMP OIL COMPANY	LEASE : SPANGENBERG
WELL : #2-A TEST: 3	GEOLOGIST: CRAIG
ELEVATION: 1837 GL	FORMATION: LANSING J
SECTION : 26	TOWNSHIP : 22S
RANGE : 12W COUNTY: STAFFORD	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	115.00	115.00
5.00	121.00	6.00
10.00	163.00	42.00
15.00	201.00	38.00
20.00	241.00	40.00
25.00	272.00	31.00
30.00	289.00	17.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	803.00	803.00	11.00
6.00	890.00	87.00	6.00
9.00	941.00	51.00	4.33
12.00	969.00	28.00	3.50
15.00	994.00	25.00	3.00
18.00	1018.00	24.00	2.67
21.00	1036.00	18.00	2.43
24.00	1054.00	18.00	2.25
27.00	1068.00	14.00	2.11
30.00	1087.00	19.00	2.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	357.00	357.00

**PRESSURE TRANSIENT REPORT (CONTINUED)**

**FINAL FLOW (CONTINUED)**

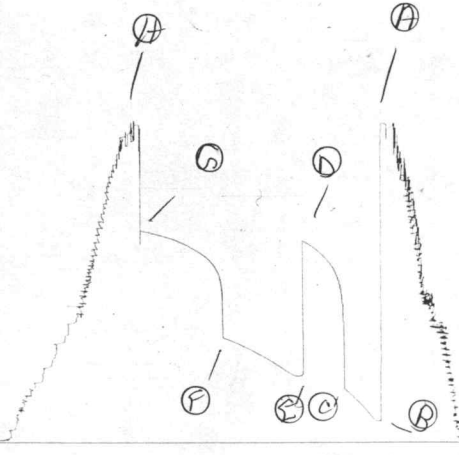
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	357.00	0.00
10.00	373.00	16.00
15.00	394.00	21.00
20.00	419.00	25.00
25.00	443.00	24.00
30.00	463.00	20.00
35.00	483.00	20.00
40.00	501.00	18.00
45.00	518.00	17.00
50.00	535.00	17.00
55.00	548.00	13.00
60.00	560.00	12.00

**FINAL SHUT IN**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	892.00	892.00	21.00
6.00	934.00	42.00	11.00
9.00	964.00	30.00	7.67
12.00	989.00	25.00	6.00
15.00	1006.00	17.00	5.00
18.00	1024.00	18.00	4.33
21.00	1034.00	10.00	3.86
24.00	1058.00	24.00	3.50
27.00	1063.00	5.00	3.22
30.00	1071.00	8.00	3.00
33.00	1079.00	8.00	2.82
36.00	1090.00	11.00	2.67
39.00	1097.00	7.00	2.54
42.00	1102.00	5.00	2.43
45.00	1110.00	8.00	2.33
48.00	1116.00	6.00	2.25
51.00	1119.00	3.00	2.18
54.00	1128.00	9.00	2.11
57.00	1132.00	4.00	2.05
60.00	1136.00	4.00	2.00

KT 2054

I

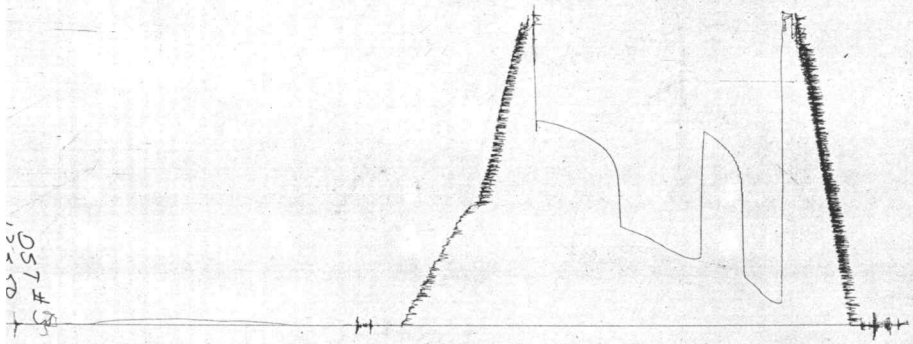


DST II 3  
10220

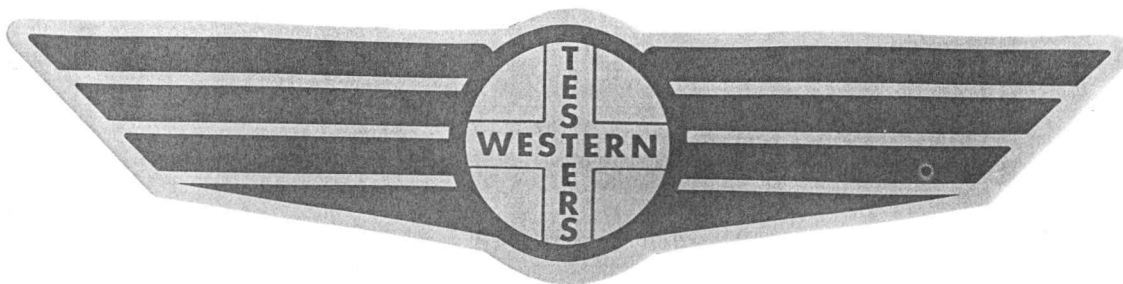
KT 2054

0

OST # 2054



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY HAMP OIL COMPANY

LEASE & WELL NO.

#2-A SPANGENBERG

SEC.

26

TWP.

22S

RGE.

12W

TEST NO.

4

DATE

8/25/94

DST REPORT

GENERAL INFORMATION

DATE : 8/25/94	TICKET : 20543
CUSTOMER : HAMP OIL COMPANY	LEASE : SPANGENBERG
WELL : #2-A TEST: 4	GEOLOGIST: CRAIG
ELEVATION: 1837 GL	FORMATION: VIOLA
SECTION : 26	TOWNSHIP : 22S
RANGE : 12W COUNTY: STAFFORD	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3586.00 ft	TO: 3643.00 ft	TVD: 3643.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 3636.0 ft	3639.0 ft	
TEMPERATURE: 110.0		

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 : 3568.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 18.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 57.0 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: 3586.0 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. : DUKE DRLG RIG 4	
MUD TYPE : CHEMICAL	VISCOSITY : 53.00 cp
WEIGHT : 9.000 ppg	WATER LOSS: 10.400 cc
CHLORIDES : 12000 ppm	
JARS-MAKE :	SERIAL NUMBER:
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW THROUGHOUT - 1/2  
INCH DECREASED TO SURFACE BLOW. FINAL FLOW PERIOD  
NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
10.0	0.0	0.0	0.0	100.0	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:	0.1403	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.1403	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1765.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	41.00	41.00
INITIAL SHUT-IN	30.00		83.00
FINAL FLOW	30.00	41.00	41.00
FINAL SHUT-IN	30.00		41.00

FINAL HYDROSTATIC PRESSURE: 1755.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1813.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	56.00	56.00
INITIAL SHUT-IN	30.00		102.00
FINAL FLOW	30.00	56.00	56.00
FINAL SHUT-IN	30.00		62.00

FINAL HYDROSTATIC PRESSURE: 1798.00

**PRESSURE TRANSIENT REPORT**

**GENERAL INFORMATION**

DATE : 8/25/94	TICKET : 20543
CUSTOMER : HAMP OIL COMPANY	LEASE : SPANGENBERG
WELL : #2-A TEST: 4	GEOLOGIST: CRAIG
ELEVATION: 1837 GL	FORMATION: VIOLA
SECTION : 26	TOWNSHIP : 22S
RANGE : 12W COUNTY: STAFFORD	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

**INITIAL FLOW**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	56.00	56.00
5.00	56.00	0.00
10.00	56.00	0.00
15.00	56.00	0.00
20.00	56.00	0.00
25.00	56.00	0.00
30.00	56.00	0.00

**INITIAL SHUT IN**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	56.00	56.00	0.00
6.00	56.00	0.00	0.00
9.00	56.00	0.00	0.00
12.00	56.00	0.00	0.00
15.00	77.00	21.00	0.00
18.00	87.00	10.00	0.00
21.00	91.00	4.00	0.00
24.00	95.00	4.00	0.00
27.00	99.00	4.00	0.00
30.00	102.00	3.00	0.00

**FINAL FLOW**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	56.00	56.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	56.00	0.00
10.00	56.00	0.00
15.00	56.00	0.00
20.00	56.00	0.00
25.00	56.00	0.00
30.00	56.00	0.00

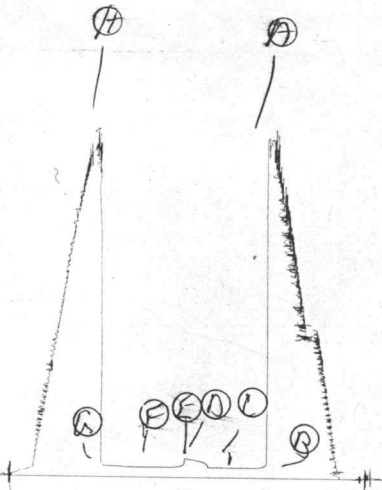
FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	56.00	56.00	0.00
6.00	56.00	0.00	0.00
9.00	56.00	0.00	0.00
12.00	56.00	0.00	0.00
15.00	56.00	0.00	0.00
18.00	57.00	1.00	0.00
21.00	58.00	1.00	0.00
24.00	59.00	1.00	0.00
27.00	60.00	1.00	0.00
30.00	62.00	2.00	0.00

KT 2054

7

057-114



KT 20542

0

OST # 4  
13556

