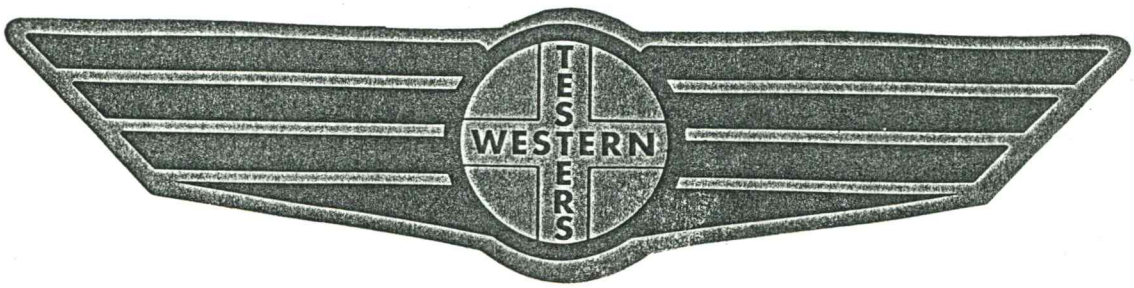
FORMATION TEST REPORT



Home Office:

P.O. Box 1599

Wichita, Kansas 67201

Phone **1-800-688-7021**

COMPANY RANGE OIL COMPANY, INC. LEASE & WELL NO. CORBETT #1 SEC. 15 TWP. 29S RGE. 5E TEST NO. 1 DATE 6/21/92

DST REPORT

GENERAL INFORMATION

DATE	: 6/21/92	TICKET	: 19449
CUSTOMER	: RANGE OIL COMPANY, INC.	LEASE	: CORBETT
WELL	: 1 TEST: 1	GEOLOGIST	: DAVE CALLEWAERT
ELEVATION	: 1332 KB	FORMATION	: KANSAS CITY
SECTION	: 15	TOWNSHIP	: 29S
RANGE	: 5E COUNTY: BUTLER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2192.00 ft TO: 2205.00 ft TVD: 2205.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 2195.0 ft 2198.0 ft
TEMPERATURE: 100.0

DRILL COLLAR LENGTH:	362.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	1810.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	13.0 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 :	4.5FH
PACKER DEPTH:	2187.0 ft	SIZE:	6.630 in
PACKER DEPTH:	2192.0 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.	: GLAVES DRLG RIG 1		
MUD TYPE	: CHEMICAL	VISCOSITY :	39.00 cp
WEIGHT	: 9.500 ppg	WATER LOSS:	11.200 cc
CHLORIDES	: 1500 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK BLOW FOR 20 MINUTES
AND DIED.
FINAL FLOW PERIOD VERY WEAK BLOW FOR 15 MINUTES

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment
AND DIED.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	10.0	0.0	0.0	90.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0098 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.0885 STB	AVERAGE OIL RATE:	2.3604 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.0983 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1175.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	86.00
INITIAL SHUT-IN	30.00		161.00
FINAL FLOW	30.00	86.00	86.00
FINAL SHUT-IN	30.00		86.00

FINAL HYDROSTATIC PRESSURE: 1122.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1165.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	71.00	71.00
INITIAL SHUT-IN	30.00		133.00
FINAL FLOW	30.00	83.00	83.00
FINAL SHUT-IN	30.00		83.00

FINAL HYDROSTATIC PRESSURE: 1096.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 6/21/92	TICKET	: 19449
CUSTOMER	: RANGE OIL COMPANY, INC.	LEASE	: CORBETT
WELL	: 1 TEST: 1	GEOLOGIST	: DAVE CALLEWAERT
ELEVATION	: 1332 KB	FORMATION	: KANSAS CITY
SECTION	: 15	TOWNSHIP	: 29S
RANGE	: 5E COUNTY: BUTLER	STATE	: KS
GAUGE SN#	: 1051 RANGE : 4250	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	71.00	71.00
5.00	71.00	0.00
10.00	71.00	0.00
15.00	71.00	0.00
20.00	71.00	0.00
25.00	71.00	0.00
30.00	71.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	71.00	71.00	0.00
6.00	72.00	1.00	0.00
9.00	72.00	0.00	0.00
12.00	73.00	1.00	0.00
15.00	73.00	0.00	0.00
18.00	75.00	2.00	0.00
21.00	77.00	2.00	0.00
24.00	86.00	9.00	0.00
27.00	103.00	17.00	0.00
30.00	133.00	30.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	83.00	83.00

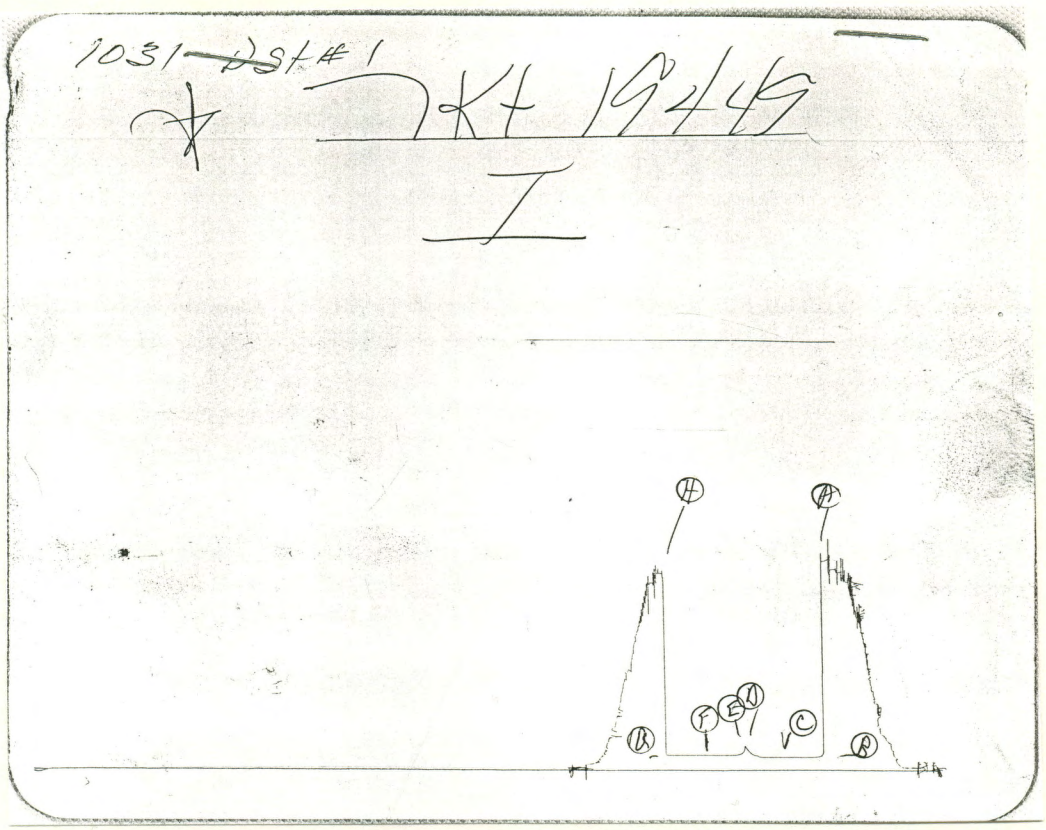
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

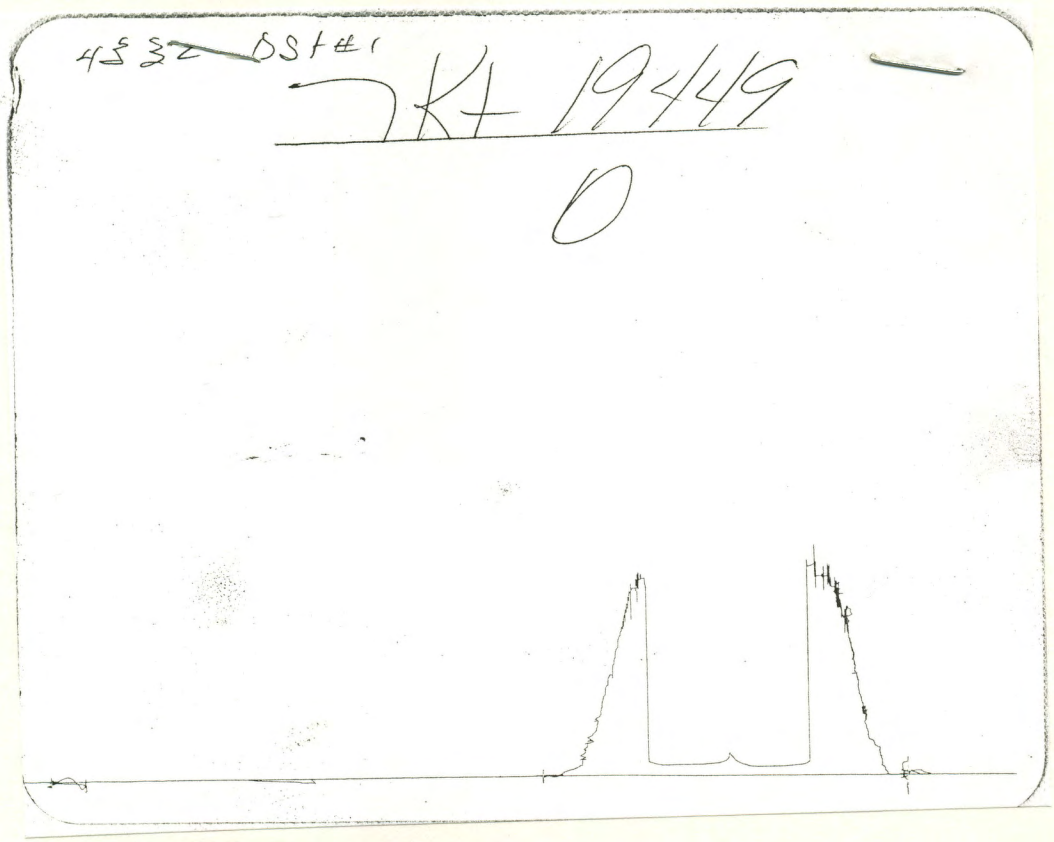
Time (min)	Pressure	Delta P
5.00	83.00	0.00
10.00	83.00	0.00
15.00	83.00	0.00
20.00	83.00	0.00
25.00	83.00	0.00
30.00	83.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	83.00	83.00	0.00
6.00	83.00	0.00	0.00
9.00	83.00	0.00	0.00
12.00	83.00	0.00	0.00
15.00	83.00	0.00	0.00
18.00	83.00	0.00	0.00
21.00	83.00	0.00	0.00
24.00	83.00	0.00	0.00
27.00	83.00	0.00	0.00
30.00	83.00	0.00	0.00



Inside Recorder



Outside Recorder

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

COMPANY RANGE OIL COMPANY, INC. LEASE & WELL NO. CORBETT #1 SEC. 15 TWP. 29S RGE. 5E TEST NO. 2 DATE 6/23/92

DST REPORT

GENERAL INFORMATION

DATE	: 6/23/92	TICKET	: 17853
CUSTOMER	: RANGE OIL COMPANY, INC.	LEASE	: CORBETT
WELL	: 1 TEST: 2	GEOLOGIST	: DAVE CALLEWAERT
ELEVATION	: 1332 KB	FORMATION	:
SECTION	: 15	TOWNSHIP	: 29S
RANGE	: 5E COUNTY: BUTLER	STATE	: KS
GAUGE SN#	: 10979 RANGE : 4100	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2828.00 ft TO: 2842.00 ft TVD: 2842.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 2836.0 ft 2839.0 ft
TEMPERATURE: 111.0

DRILL COLLAR LENGTH:	360.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	2448.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	14.0 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 :	4.5FH
PACKER DEPTH:	2823.0 ft	SIZE:	6.630 in
PACKER DEPTH:	2828.0 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.	: GLAVES RIG 1		
MUD TYPE	: CHEMICAL	VISCOSITY :	45.00 cp
WEIGHT	: 9.500 ppg	WATER LOSS:	11.200 cc
CHLORIDES	: 1500 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?:	NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW, BUILDING TO A 4
INCH BLOW IN BUCKET.
FINAL FLOW PERIOD WEAK BLOW, BUILDING TO A 9 INCH

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment
BLOW IN BUCKET.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
5.0	100.0	0.0	0.0	0.0	CLEAN OIL
5.0	40.0	0.0	0.0	60.0	OIL CUT MUD
60.0	5.0	10.0	25.0	60.0	SLY OIL CUT WATERY MUD
120.0	0.0	0.0	100.0	0.0	SALT WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 34000 P.P.M.
0.0	0.0	0.0	0.0	0.0	RECOVERED 255 FT. OF GAS
0.0	0.0	0.0	0.0	0.0	ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.0492 STB		
GAS VOLUME:	0.1657 SCF	TOTAL FLOW TIME:	90.0000 min.
MUD VOLUME:	0.1918 STB	AVERAGE OIL RATE:	1.4949 STB/D
WATER VOLUME:	0.6639 STB	AVERAGE WATER RATE:	12.9821 STB/D
TOTAL FLUID :	0.9048 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1450.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	10.00	40.00
INITIAL SHUT-IN	30.00		815.00
FINAL FLOW	60.00	75.00	105.00
FINAL SHUT-IN	60.00		815.00

FINAL HYDROSTATIC PRESSURE: 1440.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1509.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	14.00	52.00
INITIAL SHUT-IN	30.00		815.00
FINAL FLOW	60.00	83.00	110.00
FINAL SHUT-IN	63.00		840.00

FINAL HYDROSTATIC PRESSURE: 1434.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6/23/92
CUSTOMER : RANGE OIL COMPANY, INC.
WELL : 1 TEST: 2
ELEVATION: 1332 KB
SECTION : 15
RANGE : 5E COUNTY: BUTLER
GAUGE SN#: 10979 RANGE : 4100

TICKET : 17853
LEASE : CORBETT
GEOLOGIST: DAVE CALLEWAERT
FORMATION:
TOWNSHIP : 29S
STATE : KS
CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	14.00	14.00
5.00	19.00	5.00
10.00	27.00	8.00
15.00	35.00	8.00
20.00	42.00	7.00
25.00	49.00	7.00
30.00	52.00	3.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	93.00	93.00	11.00
6.00	202.00	109.00	6.00
9.00	573.00	371.00	4.33
12.00	677.00	104.00	3.50
15.00	724.00	47.00	3.00
18.00	754.00	30.00	2.67
21.00	773.00	19.00	2.43
24.00	787.00	14.00	2.25
27.00	798.00	11.00	2.11
30.00	815.00	17.00	2.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	83.00	83.00

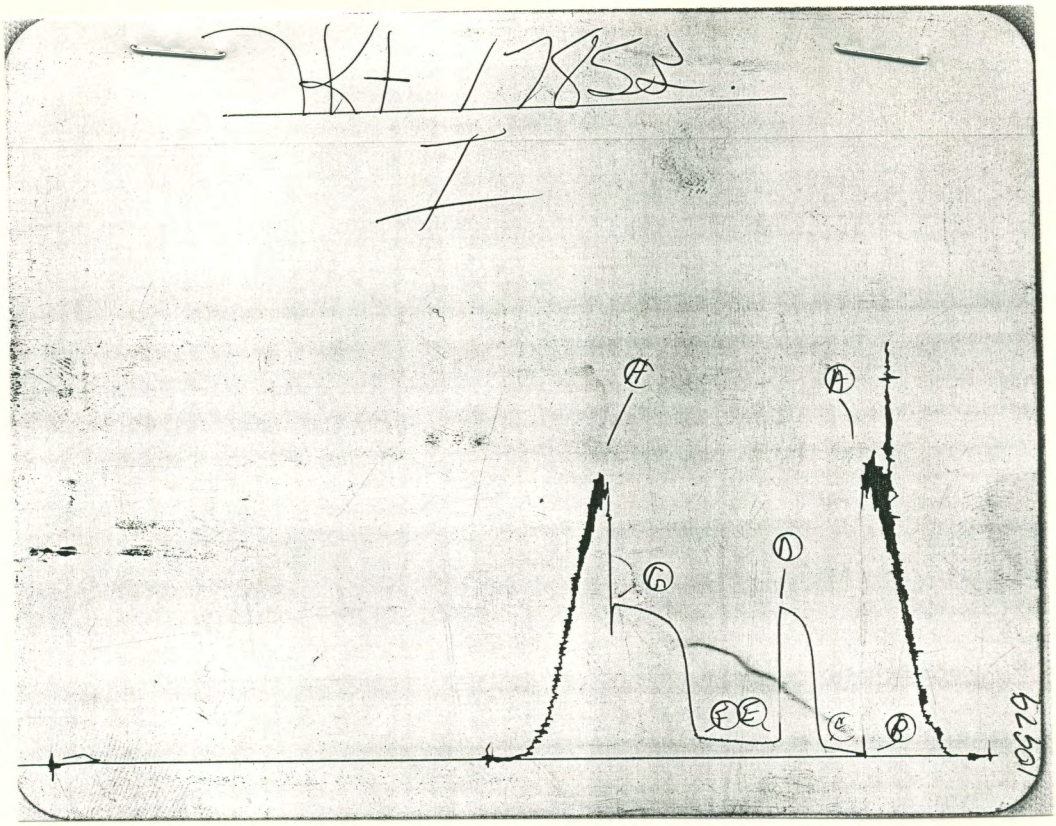
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	83.00	0.00
10.00	83.00	0.00
15.00	83.00	0.00
20.00	83.00	0.00
25.00	86.00	3.00
30.00	88.00	2.00
35.00	91.00	3.00
40.00	94.00	3.00
45.00	98.00	4.00
50.00	102.00	4.00
55.00	106.00	4.00
60.00	110.00	4.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	149.00	149.00	16.00
6.00	251.00	102.00	8.50
9.00	435.00	184.00	6.00
12.00	573.00	138.00	4.75
15.00	645.00	72.00	4.00
18.00	691.00	46.00	3.50
21.00	720.00	29.00	3.14
24.00	739.00	19.00	2.88
27.00	753.00	14.00	2.67
30.00	768.00	15.00	2.50
33.00	779.00	11.00	2.36
36.00	789.00	10.00	2.25
39.00	799.00	10.00	2.15
42.00	808.00	9.00	2.07
45.00	815.00	7.00	2.00
48.00	821.00	6.00	1.94
51.00	825.00	4.00	1.88
54.00	829.00	4.00	1.83
57.00	833.00	4.00	1.79
60.00	836.00	3.00	1.75
63.00	840.00	4.00	1.71



Inside Recorder

