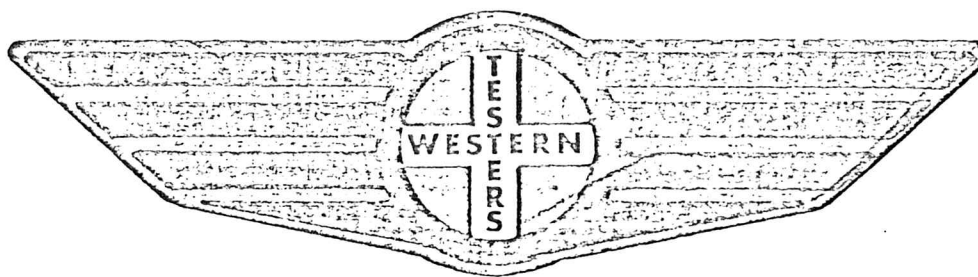


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 3/13/84
CUSTOMER: RANGE OIL COMPANY INC.
WELL: 5
ELEVATION (KB): 1336
SECTION: 28
RANGE: 6E
GAUGE SN #2605

TEST: 1
FORMATION: KANSAS CITY
TOWNSHIP: 27S
COUNTY: BUTLER
RANGE: 4150

TICKET #4154
LEASE: "A" SIMMONS
GEOLOGIST: OLSEN
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 2054 FT TO: 2065 FT TOTAL DEPTH: 2065 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 2054 FT SIZE: 6 3/4 IN PAKER DEPTH: 2049 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PAKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE DRLG
MUD TYPE: CHEMICAL VISCOSITY: 39
WEIGHT: 9.0 WATER LOSS (CC): 14.0
CHLORIDES (P.P.M.): 900
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT?
DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 1914 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 IN
ANCHOR LENGTH: 11 FT SIZE: 5 1/2 IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

BLOW: INITIAL FLOW PERIOD FAIR BLOW
DECREASING AT THE END OF THE FLOW.
FINAL FLOW PERIOD WEAK BLOW.

RECOVERED: 90 FT OF: GAS ABOVE FLUID.
RECOVERED: 150 FT OF: MUDDY SALT WATER WITH SHOW OF OIL ON TOP.
RECOVERED: FT OF: CHLORIDES 82000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 1:25 PM TIME STARTED OFF BOTTOM: 4:25 PM
WELL TEMPERATURE: 0 °F
INITIAL HYDROSTATIC PRESSURE: (A) 941 PSI
INITIAL FLOW PERIOD MIN: 35 (B) 13 PSI TO (C) 48 PSI
INITIAL CLOSED IN PERIOD MIN: 27 (D) 636 PSI
FINAL FLOW PERIOD MIN: 65 (E) 89 PSI TO (F) 89 PSI
FINAL CLOSED IN PERIOD MIN: 51 (G) 643 PSI
FINAL HYDROSTATIC PRESSURE (H) 941 PSI

TICKET #4154

LEASE: "A" SIMMONS

GEOLOGIST: OLSEN

FORMATION: KANSAS CITY

TOWNSHIP: 27S

STATE: KANSAS

CLOCK: 12

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E - ACTUAL

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MIN

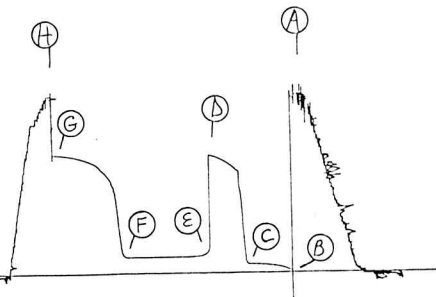
DOWN

D FLOW	FINAL	SHUT-IN
PRESSURE	MIN	PRESSURE
89	0	89
89	3	318
89	6	462
89	9	510
89	12	541
89	15	559
89	18	582
89	21	595
89	24	605
89	27	613
89	30	620
89	33	624
89	36	628
89	39	632
	42	636
	45	640
	48	642
	51	643

TKT # 4154

2605
DS+H

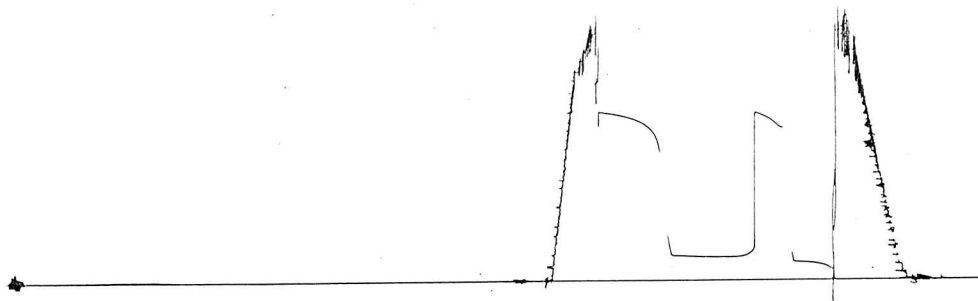
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TKT # 4154

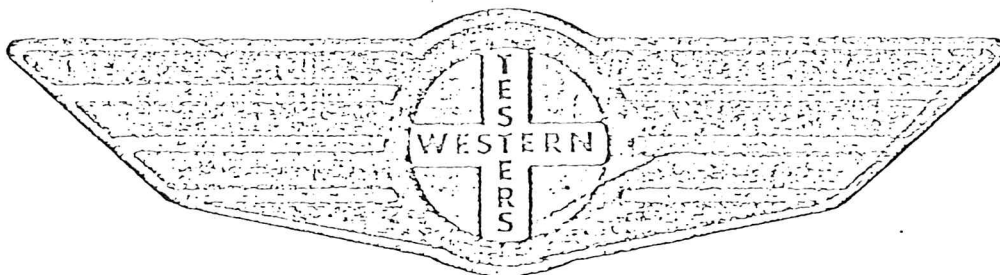
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FORMATION

TEST

REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 3/16/84
CUSTOMER: RANGE OIL COMPANY INC.
WELL: 5
ELEVATION (KB): 1336
SECTION: 28
RANGE: 6E
GAUGE SN #5666

TICKET #5409
LEASE: SIMMONS "A"
GEOLOGIST: OBRIEN
FORMATION: L SIMPSON & ARB.
TOWNSHIP: 27S
COUNTY: BUTLER
RANGE: 3950

STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3068 FT TO: 3080 FT TOTAL DEPTH: 3080 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3063 FT SIZE: 6 3/4 IN PACKER DEPTH: 3068 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RDC
MUD TYPE: CHEM
WEIGHT: 9.2
CHLORIDES (P.P.M.): 1900
JARS - MAKE:
DID WELL FLOW? NO
DRILL COLLAR LENGTH: 119 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2947 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 12 FT SIZE: 5 1/2 O.D. IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

SERIAL NUMBER:
REVERSED OUT? NO

BLOW: STRONG BLOWS THROUGHOUT FLOW PERIODS.

RECOVERED: 230 FT OF: MUDDY SALT WATER. CHLORIDES 35000 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:
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RECOVERED: FT OF:
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RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 8:00 A.M.
WELL TEMPERATURE: 111 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1604 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 112 PSI TO (C) 146 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 974 PSI
FINAL FLOW PERIOD MIN: 60 (E) 158 PSI TO (F) 158 PSI
FINAL CLOSED IN PERIOD MIN: 60 (G) 751 PSI
FINAL HYDROSTATIC PRESSURE (H) 1580 PSI

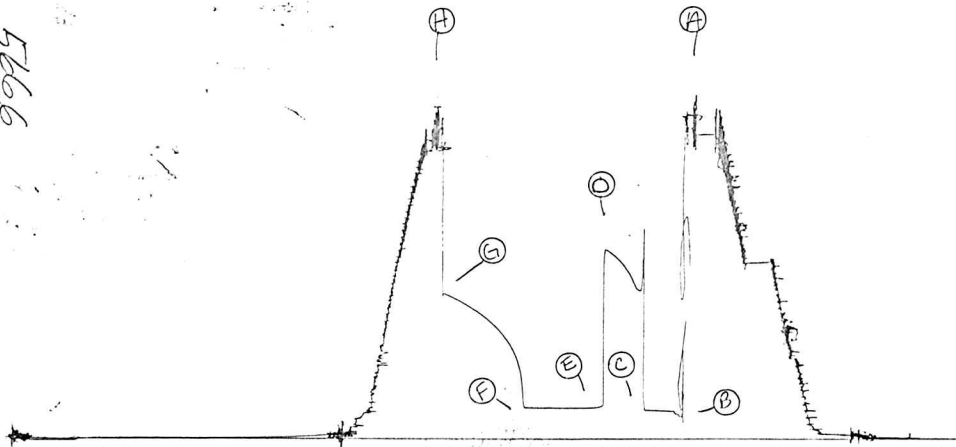
TIME STARTED OFF BOTTOM: 11:00 A.M.

5409

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4CK# 5409

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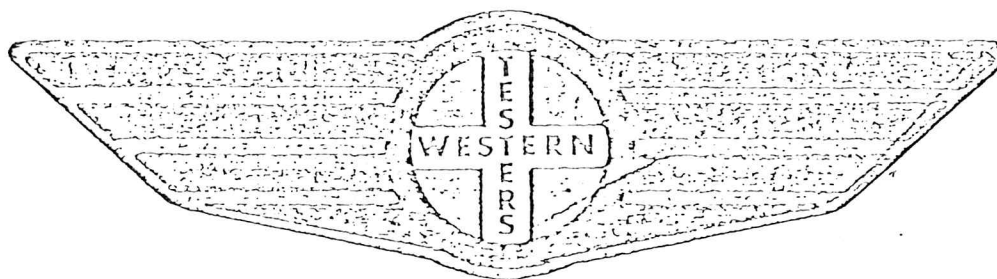
13265



FORMATION

TEST

REPORT



Home Office:

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WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 3/16/84
CUSTOMER: RANGE OIL COMPANY INC.
WELL: 5
ELEVATION (KB): 1336
SECTION: 28
RANGE: 6E
GAUGE SN #3474

TICKET #4155
LEASE: SIMMONS "A"
GEOLOGIST: OBRIEN
FORMATION: VIOLA
TOWNSHIP: 27S
COUNTY: BUTLER
RANGE: 4000

STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 3025 FT TO: 3036 FT TOTAL DEPTH: 3036 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3025 FT SIZE: 6 3/4 IN PACKER DEPTH: 3020 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RDC
MUD TYPE: CHEM
WEIGHT: 9.6
CHLORIDES (P.P.M.): 1800
JARS - MAKE: NO
DID WELL FLOW? NO
DRILL COLLAR LENGTH: 120 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 2885 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 11 FT SIZE: 5 1/2 O.D. IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 XH IN

VISCOSITY: 55
WATER LOSS (CC): 11.2
SERIAL NUMBER:
REVERSED OUT? NO

BLOW: INITIAL FLOW PERIOD WEAK BLOW.
FINAL FLOW PERIOD NO BLOW.

RECOVERED: 60 FT OF: FREE OIL
RECOVERED: 20 FT OF: OIL CUT MUD.
RECOVERED: FT OF: CHLORIDES 1800
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: READ OUTSIDE CHART.

TIME SET PACKER(S): 5:05 A.M.
WELL TEMPERATURE: 109 °F
INITIAL HYDROSTATIC PRESSURE: (A) 1491 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 14 PSI TO (C) 27 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 86 PSI
FINAL FLOW PERIOD MIN: 30 (E) 45 PSI TO (F) 48 PSI
FINAL CLOSED IN PERIOD MIN: 39 (G) 88 PSI
FINAL HYDROSTATIC PRESSURE (H) 1491 PSI

TIME STARTED OFF BOTTOM: 7:05 A.M.

TK# 4155

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TK
4155

DST# 0
2605



4CIC# 4155

3474

DST # 2

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