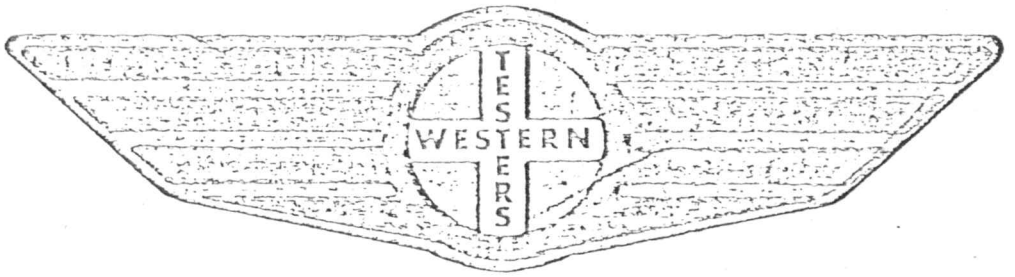
FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

Company RANGE OIL CO., INC. Lease and Well No. #1 "A" MAUCK Sec. 5 Twp. 30S Rge. 2E Test No. 1 Date 12/14/8

WESTERN TESTING COMPANY INC.
SUBSURFACE PRESSURE SURVEY

DATE: 12/14/84 TICKET #6342
CUSTOMER: RANGE OIL COMPANY INC. LEASE: MAUCK "A"
WELL: #1 TEST: 1 GEOLOGIST: OLSEN
ELEVATION (KB): 1234 FORMATION: MISS
SECTION: 5 TOWNSHIP: 30S
RANGE: 2E COUNTY: SUMNER STATE: KANSAS
GAUGE SN #13266 RANGE: 4200 CLOCK: 12

INTERVAL TEST FROM: 3146 FT TO: 3165 FT TOTAL DEPTH: 3165 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3146 FT SIZE: 6 3/4 IN PACKER DEPTH: 3141 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RANGE
MUD TYPE: CHEM VISCOSITY: 50
WEIGHT: 9.9 WATER LOSS (CC): 10.2
CHLORIDES (P.P.M.): 3400
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? REVERSED OUT?
DRILL COLLAR LENGTH: 90 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3036 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 O.D. IN
ANCHOR LENGTH: 19 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

BLOW: FAIR BLOW THROUGHOUT TEST.

RECOVERED: 185 FT OF: GAS ABOVE FLUID.
RECOVERED: 115 FT OF: OIL & GAS CUT MUD; TOP: 30% OIL; 70 DRLG MUD.
RECOVERED: FT OF: BOTTOM: 15% OIL; 85% DRLG MUD.
RECOVERED: FT OF: CHLORIDES 28000 P.P.M.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 9:45 P.M. TIME STARTED OFF BOTTOM: 12:45 A.M.
WELL TEMPERATURE: 106 'F
INITIAL HYDROSTATIC PRESSURE: (A) 1555 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 40 PSI TO (C) 53 PSI
INITIAL CLOSED IN PERIOD MIN: 36 (D) 1111 PSI
FINAL FLOW PERIOD MIN: 65 (E) 72 PSI TO (F) 72 PSI
FINAL CLOSED IN PERIOD MIN: 72 (G) 1157 PSI
FINAL HYDROSTATIC PRESSURE (H) 1553 PSI

WESTERN TESTING COMPANY INC.
PRESSURE DATA

DATE: 12/14/84 TICKET #6342
CUSTOMER: RANGE OIL COMPANY INC. LEASE: MAUCK "A"
WELL: #1 TEST: 1 GEOLOGIST: OLSEN
ELEVATION (KB): 1234 FORMATION: MISS
SECTION: 5 TOWNSHIP: 30S
RANGE: 2E COUNTY: SUMNER STATE: KANSAS
GAUGE SN #13266 RANGE: 4200 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	1555	PSI
(B) FIRST INITIAL FLOW PRESSURE:	40	PSI
(C) FIRST FINAL FLOW PRESSURE:	53	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1111	PSI
(E) SECOND INITIAL FLOW PRESSURE:	72	PSI
(F) SECOND FINAL FLOW PRESSURE:	72	PSI
(G) FINAL CLOSED-IN PRESSURE:	1157	PSI
(H) FINAL HYDROSTATIC PRESSURE:	1553	PSI
WELL TEMPERATURE:	106	'F

OPEN TOOL: 9:45 P.M.

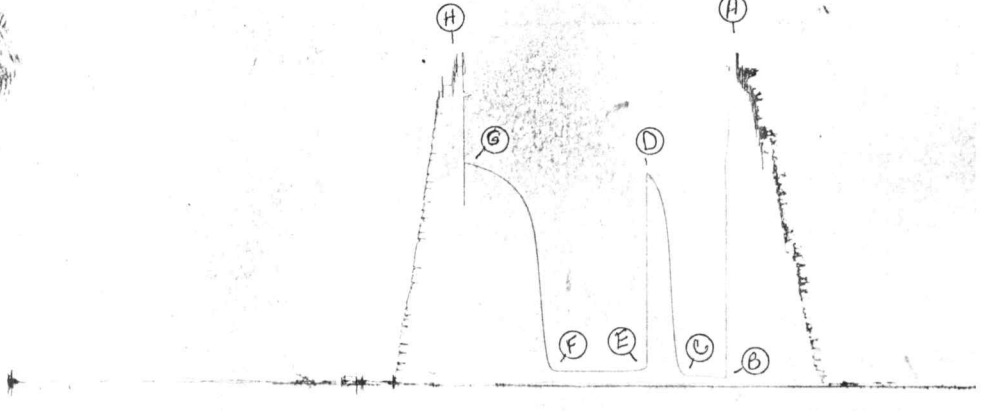
	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	30	MIN	36	MIN
SECOND FLOW PRESSURE:	60	MIN	65	MIN
FINAL CLOSED-IN PRESSURE:	60	MIN	72	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	40	0	53	0	72	0	72
2	5	40	3	66	5	72	3	75
3	10	47	6	107	10	72	6	95
4	15	51	9	254	15	72	9	171
5	20	52	12	500	20	72	12	357
6	25	53	15	702	25	72	15	570
7	30	53	18	846	30	72	18	722
8			21	940	35	72	21	822
9			24	1000	40	72	24	892
10			27	1045	45	72	27	940
11			30	1078	50	72	30	978
12			33	1102	55	72	33	1004
13			36	1111	60	72	36	1026
14					65	72	39	1046
15							42	1064
16							45	1080
17							48	1092
18							51	1104
19							54	1115
20							57	1123
21							60	1130
22							63	1137
23							66	1144
24							69	1151
25							72	1157
26								
27								
28								
29								
30								

TKT # 6342

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