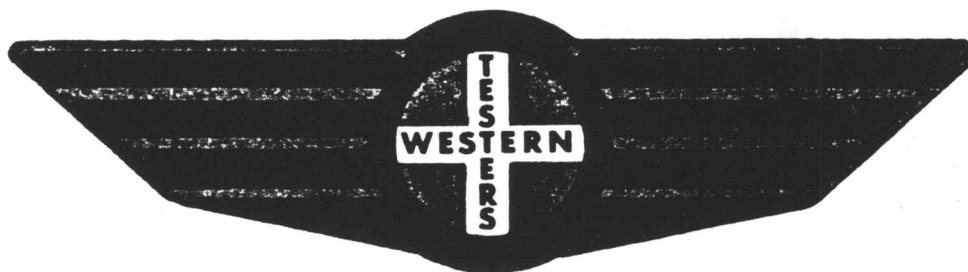


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY RAINS & WILLIAMSON OIL CO., INC. LEASE & WELL NO. #3 ERSKINE SEC. 6 TWP. 32S RGE. 1W TEST NO. 1 DATE 11/1/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 11-1-85
CUSTOMER: RAINS & WILLIAMSON OIL CO INC
WELL: 3 TEST: 1
ELEVATION (KB): 1219 FORMATION: MISSISSIPPI
SECTION: 6 TOWNSHIP: 32S
RANGE: 1W COUNTY: SUMNER STATE: KANSAS
GAUGE SN #1134 RANGE: 4475 CLOCK: 12

TICKET #7770
LEASE: ERSKINE
GEOLOGIST: M.R. MARRS

INTERVAL TEST FROM: 3648 FT TO: 3680 FT TOTAL DEPTH: 3680 FT
DEPTH OF SELECTIVE ZONE:
PACKER DEPTH: 3643 FT SIZE: 6 3/4 IN Packer DEPTH: 3648 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN Packer DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS/WILLIAMSON #3
MUD TYPE: LSND VISCOSITY: 39
WEIGHT: 9.2 WATER LOSS (CC): 12.4
CHLORIDES (P.P.M.): 1500

JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH: 481 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 3154 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 23 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 32 FT SIZE: 5 1/2 OD 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 INCREASING
TO BOTTOM OF BUCKET IN 40 MINUTES.
FINAL FLOW PERIOD FAIR BLOW INCREASING
TO BOTTOM OF BUCKET IN 50 MINUTES.

RECOVERED: 120 FT OF: GAS ABOVE FLUID.
RECOVERED: 240 FT OF: OIL CUT GASSY MUD
RECOVERED: FT OF: (12% OIL; 36% GAS; 60% MUD; 2% WATER).
RECOVERED: 180 FT OF: OIL CUT GASSY MUDDY SALT WATER
RECOVERED: FT OF: (19% OIL; 4% GAS; 30% MUD; 65% WATER).
RECOVERED: FT OF: CHLORIDES 80000 PPM.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS:

TIME SET PACKER(S): 4:25 AM
WELL TEMPERATURE: 120 'F
INITIAL HYDROSTATIC PRESSURE:
INITIAL FLOW PERIOD MIN: 45
INITIAL CLOSED IN PERIOD MIN: 66
FINAL FLOW PERIOD MIN: 95
FINAL CLOSED IN PERIOD MIN: 93
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM: 9:20 AM
(A) 1783 PSI
(B) 65 PSI TO (C) 92 PSI
(D) 1549 PSI
(E) 146 PSI TO (F) 201 PSI
(G) 1554 PSI
(H) 1759 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

TICKET #7770

LEASE: ERSKINE

TEST: 1

GEOLOGIST: M.R. MARRS

FORMATION: MISSISSIPPI

TOWNSHIP: 32S

COUNTY: SUMNER

STATE: KANSAS

RANGE: 4475

CLOCK: 12

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'F

OPEN TOOL: 4:25 AM

	TIME - GIVEN	TIME - ACTUAL
FIRST FLOW PRESSURE:	45 MIN	45 MIN
INITIAL CLOSED-IN PRESSURE:	60 MIN	66 MIN
SECOND FLOW PRESSURE:	60 MIN	95 MIN
FINAL CLOSED-IN PRESSURE:	90 MIN	93 MIN

PRESSURE BREAKDOWN

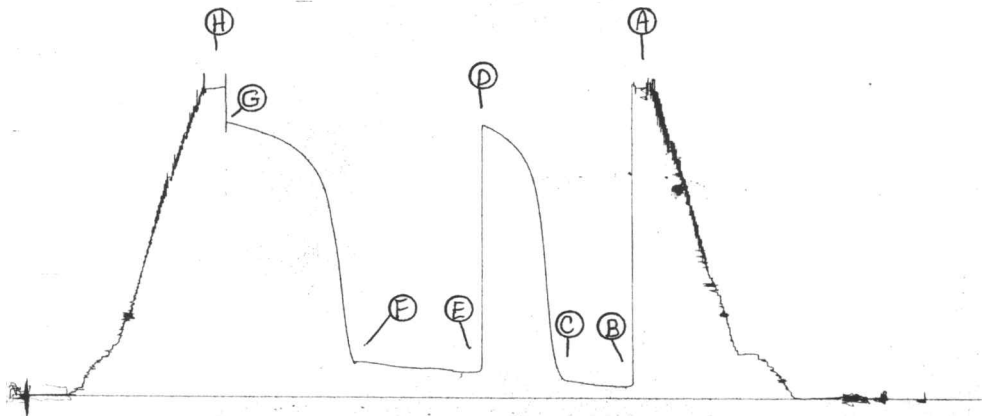
PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	65	0	92	0	146	0	201
2	5	65	3	107	5	146	3	276
3	10	65	6	146	10	146	6	407
4	15	68	9	215	15	146	9	636
5	20	70	12	363	20	149	12	803
6	25	72	15	568	25	157	15	936
7	30	75	18	816	30	162	18	1060
8	35	80	21	1002	35	165	21	1152
9	40	87	24	1138	40	165	24	1208
10	45	92	27	1234	45	165	27	1254
11			30	1297	50	168	30	1292
12			33	1342	55	171	33	1327
13			36	1379	60	172	36	1353
14			39	1408	65	176	39	1376
15			42	1435	70	180	42	1396
16			45	1460	75	188	45	1414
17			48	1475	80	193	48	1431
18			51	1493	85	198	51	1444
19			54	1508	90	201	54	1456
20			57	1523	95	201	57	1468
21			60	1534			60	1477
22			63	1545			63	1485
23			66	1549			66	1496
24							69	1502
25							72	1509
26							75	1517
27							78	1523
28							81	1531
29							84	1538
30							87	1544

PRESSURE BREAKDOWN - CONT. TICKET #7770

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	1551
32							93	1554
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4kt. #7770
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