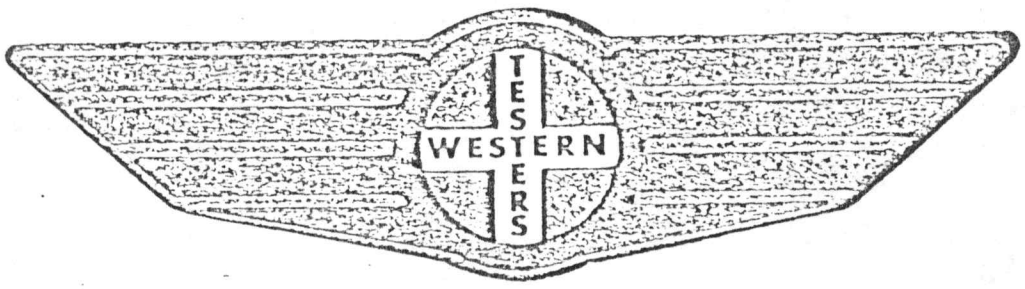
FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

mpany RAINS & WILLIAMSON OIL CO., INC. ease & Well No. #1 "B" ZIEGLER Sec. 3 Twp. 10S Rge. 26W Test No. 1 Date 8/16/85

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-16-85 TICKET #9959
CUSTOMER: RAINS & WILLIAMSON OIL CO INC LEASE: "B" ZIEGLER
WELL: 1 TEST: 1 GEOLOGIST: P. HAGEMEIER
ELEVATION (KB): 2610 FORMATION: TOTONTO/LANSING A
SECTION: 3 TOWNSHIP: 10S
RANGE: 26W COUNTY: SHERIDAN STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 3795 FT TO: 3850 FT TOTAL DEPTH: 3850 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 3790 FT SIZE: 6 3/4 IN PACKER DEPTH: 3795 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RIANS/WILLIAMSON #11
MUD TYPE: CHEMICAL VISCOSITY: 39
WEIGHT: 9.2 WATER LOSS (CC): 8.4
CHLORIDES (P.P.M.): 6000
JARS - MAKE: NO SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO

DRILL COLLAR LENGTH:		FT	I.D.:		IN
WEIGHT PIPE LENGTH:		FT	I.D.:		IN
DRILL PIPE LENGTH:	3775	FT	I.D.:	3.8	IN
TEST TOOL LENGTH:	20	FT	TOOL SIZE:	5 1/2 OD	IN
ANCHOR LENGTH:	55	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 STRONG BLOW;
BOTTOM OF BUCKET IN 10 MINUTES.
FINAL FLOW PERIOD STRONG BLOW;
BOTTOM OF BUCKET IN 15 MINUTES.

RECOVERED:	806 FT	OF:	MUDDY WATER.
RECOVERED:	FT	OF:	CHLORIDES 54000 PPM.
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	
RECOVERED:	FT	OF:	

REMARKS: LEFT TWO COPIES AT RIG.

TIME SET PACKER(S): 7:55 PM TIME STARTED OFF BOTTOM: 10:55 PM
WELL TEMPERATURE: 114 'F

INITIAL HYDROSTATIC PRESSURE:		(A) 1898	PSI	
INITIAL FLOW PERIOD	MIN: 30	(B) 45	PSI TO (C) 132	PSI
INITIAL CLOSED IN PERIOD	MIN: 33	(D) 1147	PSI	
FINAL FLOW PERIOD	MIN: 60	(E) 190	PSI TO (F) 374	PSI
FINAL CLOSED IN PERIOD	MIN: 60	(G) 1145	PSI	
FINAL HYDROSTATIC PRESSURE		(H) 1861	PSI	

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 8-16-85
CUSTOMER: RAINS & WILLIAMSON OIL CO INC
WELL: 1 TEST: 1
ELEVATION (KB): 2610 FORMATION: TOTONTO/LANSING A
SECTION: 3 TOWNSHIP: 10S
RANGE: 26W COUNTY: SHERIDAN STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

TICKET #9959
LEASE: "B" ZIEGLER
GEOLOGIST: P. HAGEMEIER

(A) INITIAL HYDROSTATIC PRESSURE:	1898	PSI
(B) FIRST INITIAL FLOW PRESSURE:	45	PSI
(C) FIRST FINAL FLOW PRESSURE:	132	PSI
(D) INITIAL CLOSED-IN PRESSURE:	1147	PSI
(E) SECOND INITIAL FLOW PRESSURE:	190	PSI
(F) SECOND FINAL FLOW PRESSURE:	374	PSI
(G) FINAL CLOSED-IN PRESSURE:	1145	PSI
(H) FINAL HYDROSTATIC PRESSURE:	1861	PSI
WELL TEMPERATURE:	114	'F

OPEN TOOL: 7:55 PM

	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	30	MIN	33	MIN
SECOND FLOW PRESSURE:	60	MIN	60	MIN
FINAL CLOSED-IN PRESSURE:	60	MIN	60	MIN

PRESSURE BREAKDOWN

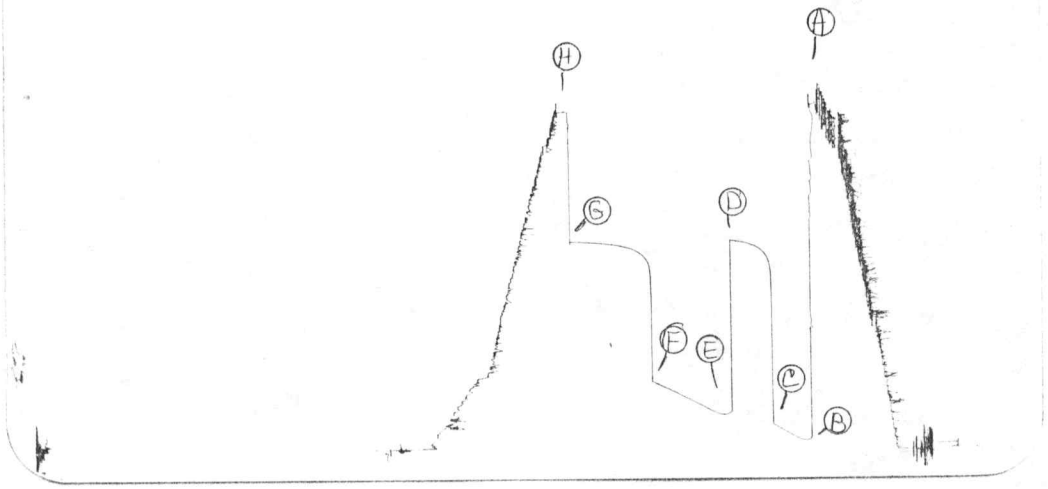
PT	FIRST FLOW MIN	FIRST FLOW PRESSURE	INITIAL SHUT-IN MIN	INITIAL SHUT-IN PRESSURE	SECOND FLOW MIN	SECOND FLOW PRESSURE	FINAL SHUT-IN MIN	FINAL SHUT-IN PRESSURE
1	0	45	0	132	0	190	0	374
2	5	45	3	989	5	190	3	1021
3	10	54	6	1058	10	194	6	1060
4	15	72	9	1086	15	211	9	1081
5	20	95	12	1105	20	230	12	1095
6	25	117	15	1117	25	250	15	1104
7	30	132	18	1126	30	270	18	1112
8			21	1133	35	290	21	1118
9			24	1139	40	307	24	1123
10			27	1141	45	325	27	1126
11			30	1144	50	341	30	1129
12			33	1147	55	361	33	1131
13					60	374	36	1133
14							39	1135
15							42	1137
16							45	1139
17							48	1141
18							51	1142
19							54	1143
							57	1144
							60	1145

1566

DST 1

IKT #9959

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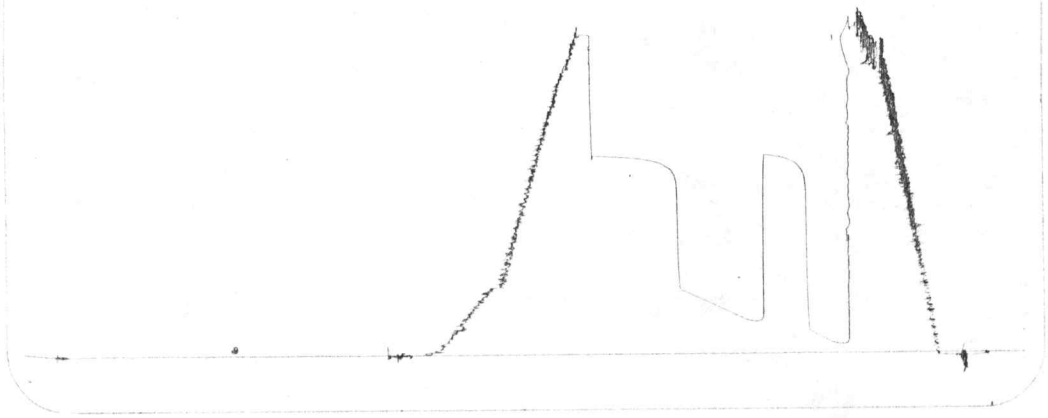
Inside Recorder

13629

DST 1

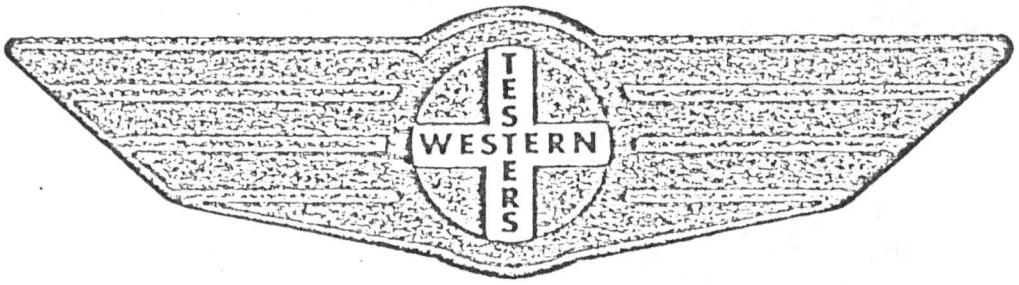
IKT #9959

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Company RAINS & WILLIAMSON OIL CO INC Lease & Well No. #1 "B" ZIEGLER Sec. 3 Twp. 10s Rge. 26w Test No. 2 Date 8/18/85

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

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

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE: 8-18-85 TICKET #9960
CUSTOMER: RAINS & WILLIAMSON OIL CO INC LEASE: "B" ZIEGLER
WELL: 1 TEST: 2 GEOLOGIST: P. HAGEMEIER
ELEVATION (KB): 2610 FORMATION:
SECTION: 3 TOWNSHIP: 10S
RANGE: 26W COUNTY: SHERIDAN STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

INTERVAL TEST FROM: 4028 FT TO: 4048 FT TOTAL DEPTH: 4048 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4023 FT SIZE: 6 3/4 IN PACKER DEPTH: 4028 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: RAINS/WILLIAMSON #11
MUD TYPE: CHEMICAL VISCOSITY: 44
WEIGHT: 9.3 WATER LOSS (CC): 8.8
CHLORIDES (P.P.M.): 5000
JARS - MAKE: SERIAL NUMBER:
DID WELL FLOW? NO REVERSED OUT? NO
DRILL COLLAR LENGTH: FT I.D.: IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4006 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 22 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 20 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 WEAK BLOW;
DEAD IN 10 MINUTES.
FINAL FLOW PERIOD NO BLOW;
FLUSHED TOOL 10 MINUTES.

RECOVERED: 3 FT OF: DRILLING MUD - SHOW OF OIL IN TOOL.
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:
RECOVERED: FT OF:

REMARKS: LEFT TWO COPIES AT RIG.

TIME SET PACKER(S): 2:20 AM TIME STARTED OFF BOTTOM: 4:20 AM
WELL TEMPERATURE: 116 'F
INITIAL HYDROSTATIC PRESSURE: (A) 2055 PSI
INITIAL FLOW PERIOD MIN: 30 (B) 47 PSI TO (C) 48 PSI
INITIAL CLOSED IN PERIOD MIN: 30 (D) 51 PSI
FINAL FLOW PERIOD MIN: 30 (E) 49 PSI TO (F) 48 PSI
FINAL CLOSED IN PERIOD MIN: 27 (G) 49 PSI
FINAL HYDROSTATIC PRESSURE (H) 2042 PSI

WESTERN TESTING CO. INC.
PRESSURE DATA

DATE: 8-18-85 TICKET #9960
CUSTOMER: RAINS & WILLIAMSON OIL CO INC LEASE: "B" ZIEGLER
WELL: 1 TEST: 2 GEOLOGIST: P. HAGEMEIER
ELEVATION (KB): 2610 FORMATION:
SECTION: 3 TOWNSHIP: 10S
RANGE: 26W COUNTY: SHERIDAN STATE: KANSAS
GAUGE SN #1566 RANGE: 4300 CLOCK: 12

(A) INITIAL HYDROSTATIC PRESSURE:	2055	PSI
(B) FIRST INITIAL FLOW PRESSURE:	47	PSI
(C) FIRST FINAL FLOW PRESSURE:	48	PSI
(D) INITIAL CLOSED-IN PRESSURE:	51	PSI
(E) SECOND INITIAL FLOW PRESSURE:	49	PSI
(F) SECOND FINAL FLOW PRESSURE:	48	PSI
(G) FINAL CLOSED-IN PRESSURE:	49	PSI
(H) FINAL HYDROSTATIC PRESSURE:	2042	PSI
WELL TEMPERATURE:	116	'F

OPEN TOOL: 2:20 AM

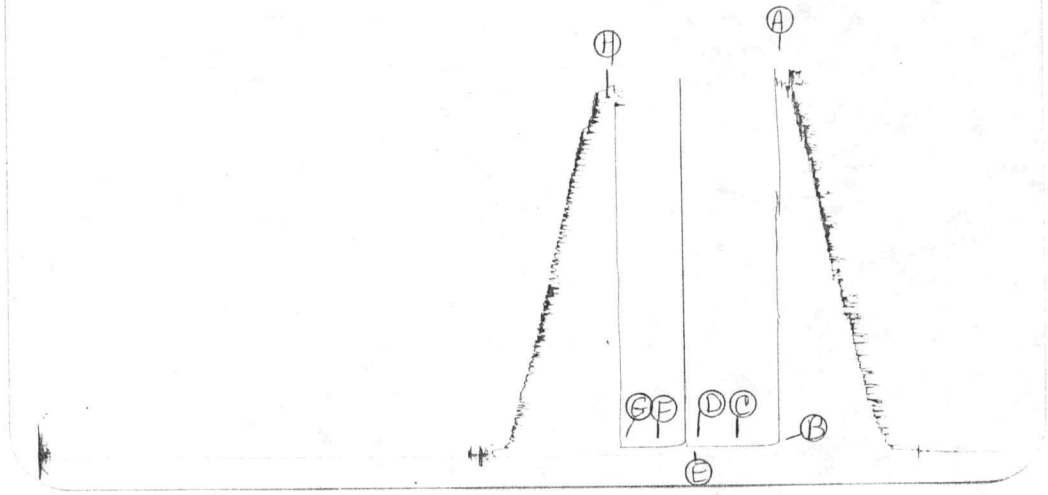
	TIME - GIVEN		TIME - ACTUAL	
FIRST FLOW PRESSURE:	30	MIN	30	MIN
INITIAL CLOSED-IN PRESSURE:	30	MIN	30	MIN
SECOND FLOW PRESSURE:	30	MIN	30	MIN
FINAL CLOSED-IN PRESSURE:	30	MIN	27	MIN

PRESSURE BREAKDOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	47	0	48	0	49	0	48
2	5	47	3	48	5	49	3	49
3	10	47	6	49	10	73	6	49
4	15	47	9	49	15	59	9	49
5	20	47	12	50	20	52	12	49
6	25	47	15	50	25	49	15	49
7	30	48	18	50	30	48	18	49
8			21	50			21	49
9			24	51			24	49
10			27	51			27	49
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Inside Recorder

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