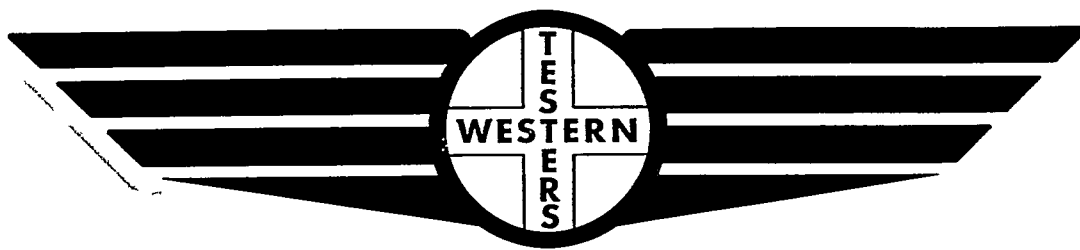


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

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COMPANY HUTCHINSON OIL COMPANY LEASE & WELL NO. #1-31 THOMPSON SEC. 31 TWP. 17S RGE. 20W TEST NO. 1 DATE 6/12/86

SUBSURFACE PRESSURE SURVEY

DATE : 6-12-86 TICKET : 11043
 CUSTOMER : HUTCHINSON OIL COMPANY LEASE : THOMPSON
 WELL : #1-31 TEST: 1 GEOLOGIST : B. REED
 ELEVATION : 2155 FORMATION : CHEROKEE SD
 SECTION : 31 TOWNSHIP : 17S
 RANGE : 20W COUNTY : RUSH STATE : KANSAS
 GAUGE SN# : 13403 RANGE : 4050 CLOCK : 12

INTERVAL FROM : 4025 TO : 4063 TOTAL DEPTH : 4063
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 4020 SIZE : 6.63
 PACKER DEPTH : 4025 SIZE : 6.63
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : ALLEN DRLG. RIG #2
 MUD TYPE : DAPAC VISCOSITY : 44
 WEIGHT : 9.2 WATER LOSS (CC) : 10.0
 CHLORIDES (PPM) : 8000
 JARS-MAKE : WTC SERIAL NUMBER : 421
 DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 3997 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 38 FT ANCHOR SIZE : 5.50
 SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
 MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 XH

BLOW COMMENT #1 : WEAK BLOW BUILDING TO STRONG IN 5
 BLOW COMMENT #2 : MINUTES ON THE INITIAL FLOW.
 BLOW COMMENT #3 : WEAK BLOW BUILDING TO GOOD BLOW
 BLOW COMMENT #4 : ON THE FINAL FLOW.

RECOVERED : 140 FT OF: SLT. WATERY MUD. 1.96 Barrels
 RECOVERED : 1100 FT OF: WATER. 15.43 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 Total Barrels = 17.4 Total Production = 417.4 Bpd

REMARK 1 :
 REMARK 2 : CHLORIDES: 40000 PPM
 REMARK 3 :
 REMARK 4 :

SET PACKER(S) : 5:50 AM TIME STARTED OFF BOTTOM : 7:50 AM
 WELL TEMPERATURE : 122
 INITIAL HYDROSTATIC PRESSURE (A) 1961
 INITIAL FLOW PERIOD MIN: 30 (B) 230 PSI TO (C) : 471
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 527
 FINAL FLOW PERIOD MIN: 30 (E) 518 PSI TO (F) : 530
 FINAL CLOSED IN PERIOD MIN: 30 (G) 533
 FINAL HYDROSTATIC PRESSURE (H) 1949

Pressure Transient Report

DATA FILE.....

COMPANY.....HUTCHINSON OIL COMPANY

DATE OF TEST.....6-12-86

FIELD NAME.....THOMPSON

WELL NAME.....#1-31

LOCATION.....RUSH-KANSAS

JOB NUMBER.....11043

GAUGE NUMBER.....13403

GAUGE DEPTH.....4063

COMMENTS

CHLORIDES: 40000 PPM

START UP TIME	(mo/da/yr)	(hr:min:sec)
	6./12/86.	5.: 50.: 0.

COMPANY : HUTCHINSON OIL COMPANY FIELD : THOMPSON
WELL : #1-31 JOB # : 11043
GAUGE # : 13403 DEPTH : 4063
MON/DAY : 6/12

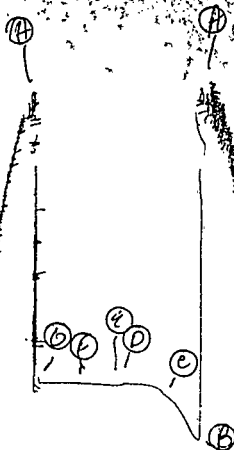
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	5:50: 0	0 0.000	230.00	122.0	0.00	0.00
2	5:55: 0	5 0.083	248.00	122.0	18.00	215.58
3	6: 0: 0	10 0.167	320.00	122.0	90.00	864.84
4	6: 5: 0	15 0.250	379.00	122.0	149.00	708.69
5	6:10: 0	20 0.333	422.00	122.0	192.00	514.99
6	6:15: 0	25 0.417	457.00	122.0	227.00	420.41
7	6:20: 0	30 0.500	471.00	122.0	241.00	168.16
8	6:23: 0	33 0.550	493.00	122.0	263.00	439.57
9	6:26: 0	36 0.600	506.00	122.0	276.00	259.75
10	6:29: 0	39 0.650	511.00	122.0	281.00	99.90
11	6:32: 0	42 0.700	517.00	122.0	287.00	119.88
12	6:35: 0	45 0.750	521.00	122.0	291.00	80.31
13	6:38: 0	48 0.800	523.00	122.0	293.00	39.96
14	6:41: 0	51 0.850	524.00	122.0	294.00	19.98
15	6:44: 0	54 0.900	525.00	122.0	295.00	19.98
16	6:47: 0	57 0.950	526.00	122.0	296.00	19.98
17	6:50: 0	60 1.000	527.00	122.0	297.00	20.08
18	6:51: 0	61 1.017	518.00	122.0	288.00	-534.26
19	6:55: 0	65 1.083	518.00	122.0	288.00	0.00
20	7: 0: 0	70 1.167	519.00	122.0	289.00	12.01
21	7: 5: 0	75 1.250	522.00	122.0	292.00	36.04
22	7:10: 0	80 1.333	525.00	122.0	295.00	35.93
23	7:15: 0	85 1.417	528.00	122.0	298.00	36.04
24	7:20: 0	90 1.500	530.00	122.0	300.00	24.02
25	7:23: 0	93 1.550	531.00	122.0	301.00	19.98
26	7:26: 0	96 1.600	532.00	122.0	302.00	19.98
27	7:29: 0	99 1.650	533.00	122.0	303.00	19.98
28	7:32: 0	102 1.700	533.00	122.0	303.00	0.00
29	7:35: 0	105 1.750	533.00	122.0	303.00	0.00
30	7:38: 0	108 1.800	533.00	122.0	303.00	0.00
31	7:41: 0	111 1.850	533.00	122.0	303.00	0.00
32	7:44: 0	114 1.900	533.00	122.0	303.00	0.00
33	7:47: 0	117 1.950	533.00	122.0	303.00	0.00
34	7:50: 0	120 2.000	533.00	122.0	303.00	0.00

13963 OST #1
X Trollet #11043

Plot # 11043

0



13548 Oct 41

#11043

SKt # 11043

I

11043

