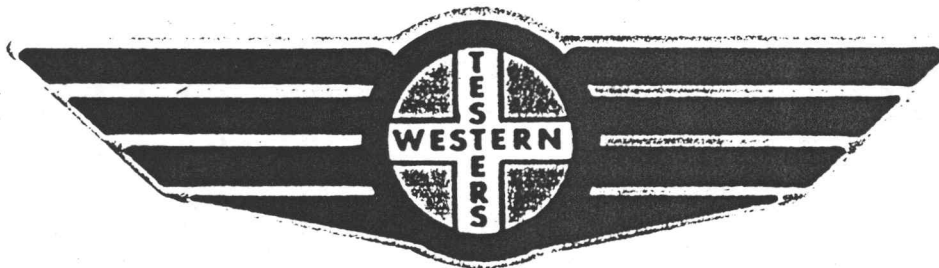


# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 4-16-87 TICKET : 12438  
CUSTOMER : C & C EXPLORATION INC. LEASE : HALBLEIB 'A'  
WELL : #2 TEST: 1 GEOLOGIST : O'DONNELL  
ELEVATION : 2398 GS FORMATION : FT. SCOTT  
SECTION : 31 TOWNSHIP : 15S  
RANGE : 21W COUNTY : TREGO STATE : KANSAS  
GAUGE SN# : 13547 RANGE : 4250 CLOCK : 12

INTERVAL FROM : 4215 TO : 4252 TOTAL DEPTH : 4252  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4210 SIZE : 6.63  
PACKER DEPTH : 4215 SIZE : 6.63  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : RED TIGER RIG #4  
MUD TYPE : STARCH VISCOSITY : 46  
WEIGHT : 9.6 WATER LOSS (CC) : 13.6  
CHLORIDES (PPM) : 25000  
JARS-MAKE : WTC SERIAL NUMBER : 1000  
DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 1050 FT I.D. inch : 2.75  
DRILL PIPE LENGTH : 3136 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 29 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 37 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 : INITIAL FLOW-SLOW BUILD TO 8" IN BUCKET.  
BLOW COMMENT #2 : FINAL FLOW-SLOW BUILD TO 8" IN BUCKET.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :



WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : C & C EXPLORATION INC.  
RIG : TREGO-KANSAS  
FIELD : HALBLEIB 'A'  
WELL : #2  
DATE : 4-16-87  
GAUGE NO : 13547

OPERATIONAL COMMENTS

CHLORIDES: 34000 PPM

COMPANY : C & C EXPLORATION INC.  
WELL : #2  
GAUGE # : 13547  
DATE : 16/ 4/87

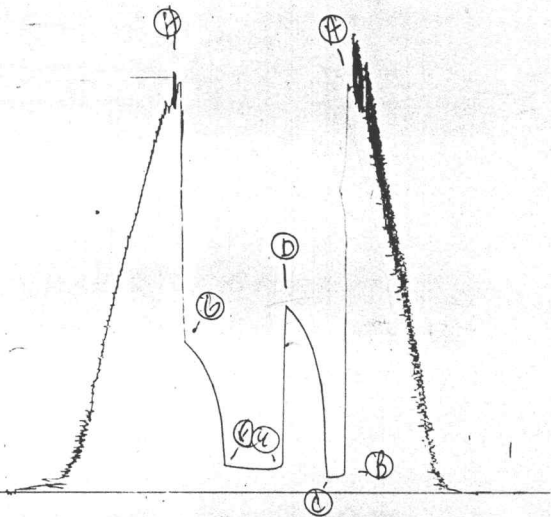
FIELD : HALBLEIB 'A'  
JOB # : 12438  
DEPTH : 4252  
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:20: 0	0.000	103.000	118.00	0.000
2	6:24:59	0.083	90.000	118.00	-13.000
3	6:30: 0	0.167	90.000	118.00	0.000
4	6:35: 0	0.250	90.000	118.00	0.000
5	6:38: 0	0.300	435.000	118.00	345.000
6	6:41: 0	0.350	601.000	118.00	166.000
7	6:44: 0	0.400	698.000	118.00	97.000
8	6:47: 0	0.450	779.000	118.00	81.000
9	6:50: 0	0.500	839.000	118.00	60.000
10	6:53: 0	0.550	886.000	118.00	47.000
11	6:56: 0	0.600	924.000	118.00	38.000
12	6:59: 0	0.650	956.000	118.00	32.000
13	7: 2: 0	0.700	984.000	118.00	28.000
14	7: 5: 0	0.750	1008.000	118.00	24.000
15	7: 8: 0	0.800	1028.000	118.00	20.000
16	7: 9: 0	0.817	133.000	118.00	-895.000
17	7:12:59	0.883	133.000	118.00	0.000
18	7:18: 0	0.967	133.000	118.00	0.000
19	7:23: 0	1.050	133.000	118.00	0.000
20	7:27:59	1.133	133.000	118.00	0.000
21	7:33: 0	1.217	137.000	118.00	4.000
22	7:38: 0	1.300	139.000	118.00	2.000
23	7:42:59	1.383	143.000	118.00	4.000
24	7:48: 0	1.467	149.000	118.00	6.000
25	7:53: 0	1.550	153.000	118.00	4.000
26	7:55:59	1.600	375.000	118.00	222.000
27	7:59: 0	1.650	488.000	118.00	113.000
28	8: 1:59	1.700	567.000	118.00	79.000
29	8: 5: 0	1.750	621.000	118.00	54.000
30	8: 8: 0	1.800	668.000	118.00	47.000
31	8:11: 0	1.850	709.000	118.00	41.000
32	8:14: 0	1.900	744.000	118.00	35.000
33	8:17: 0	1.950	771.000	118.00	27.000
34	8:20: 0	2.000	796.000	118.00	25.000
35	8:23: 0	2.050	824.000	118.00	28.000

WESTERN TESTING CO. INC.

Sta. # 12438

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13547 X

Kit # 12438

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