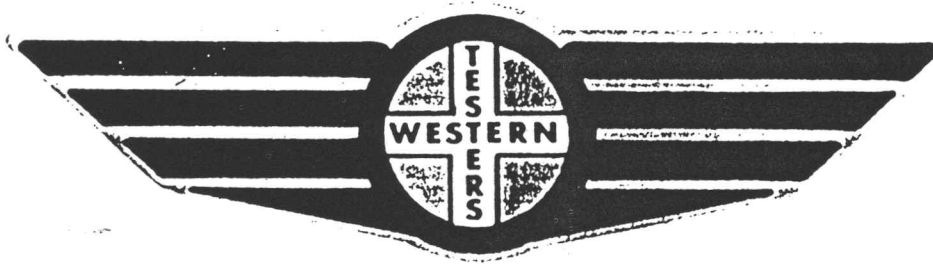


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 10-29-87 TICKET : 11608
CUSTOMER : BRANDT PRODUCTION CO. INC. LEASE : WAGONER
WELL : #1 TEST: 1 GEOLOGIST : E. BRANDT
ELEVATION : 1280 KB FORMATION : MISSISSIPPI
SECTION : 18 TOWNSHIP : 31S
RANGE : 1W COUNTY : SUMNER STATE : KANSAS
GAUGE SN# : 3659 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 3740 TO : 3746 TOTAL DEPTH : 3746
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3735 SIZE : 6.63
PACKER DEPTH : 3740 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : BRANDT RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 40
WEIGHT : 9.2 WATER LOSS (CC) : 10.0
CHLORIDES (PPM) : 1500
JARS-MAKE : - SERIAL NUMBER : -
DID WELL FLOW ? : - REVERSED OUT ? : -

DRILL COLLAR LENGTH : 398 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3316 FT I.D. inch : 3.80
TEST TOOL LENGTH : 26 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 6 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-WEAK SURFACE BLOW DIED IN 20 MINUTES.
BLOW COMMENT #2 : FINAL FLOW-NO BLOW-FLUSHED TOOL-GOT WEAK SURFACE
BLOW-BUILD TO A WEAK BLOW-HOSE 6" INTO BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 40 FT OF: GAS & SLIGHTLY OIL CUT MUD
20% GAS-5% OIL-75% MUD

Total Barrels Fluid = 0.20
Total Fluid Prod Rate = 2.83 BFPD
Indicated Oil Rate = 0.14 BOPD
Indicated Wtr Rate = 0.21 BWPD

REMARK 1 :
REMARK 2 : RECOVERED 240 FEET OF GAS ABOVE FLUID.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	10:00 AM	TIME STARTED OFF BOTTOM :	1:40 PM
WELL TEMPERATURE :	118		
INITIAL HYDROSTATIC PRESSURE		(A)	1870
INITIAL FLOW PERIOD MIN:	30	(B)	14 PSI TO (C) : 14
INITIAL CLOSED IN PERIOD MIN:	45	(D)	1251
FINAL FLOW PERIOD MIN:	70	(E)	54 PSI TO (F) : 34
FINAL CLOSED IN PERIOD MIN:	75	(G)	1234
FINAL HYDROSTATIC PRESSURE		(H)	1841

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BRANDT PRODUCTION CO. INC.
RIG : SUMNER-KANSAS
FIELD : WAGONER
WELL : #1
DATE : 10-29-87
GAUGE NO : 3659

OPERATIONAL COMMENTS

RECOVERED 240 FEET OF GAS ABOVE FLUID.

COMPANY : BRANDT PRODUCTION CO. INC:

FIELD : WAGONER

WELL : #1

JOB # : 11608

GAUGE # : 3659

DEPTH : 3746

DATE : 29/10/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	10: 0: 0	0.000	14.000	118.00	0.000
2	10: 4:59	0.083	14.000	118.00	0.000
3	10:10: 0	0.167	14.000	118.00	0.000
4	10:15: 0	0.250	14.000	118.00	0.000
5	10:19:59	0.333	14.000	118.00	0.000
6	10:25: 0	0.417	14.000	118.00	0.000
7	10:30: 0	0.500	14.000	118.00	0.000
8	10:33: 0	0.550	16.000	118.00	2.000
9	10:36: 0	0.600	118.000	118.00	102.000
10	10:39: 0	0.650	549.000	118.00	431.000
11	10:42: 0	0.700	843.000	118.00	294.000
12	10:45: 0	0.750	1017.000	118.00	174.000
13	10:48: 0	0.800	1121.000	118.00	104.000
14	10:51: 0	0.850	1170.000	118.00	49.000
15	10:54: 0	0.900	1198.000	118.00	28.000
16	10:57: 0	0.950	1217.000	118.00	19.000
17	11: 0: 0	1.000	1229.000	118.00	12.000
18	11: 2:59	1.050	1237.000	118.00	8.000
19	11: 6: 0	1.100	1242.000	118.00	5.000
20	11: 9: 0	1.150	1245.000	118.00	3.000
21	11:12: 0	1.200	1248.000	118.00	3.000
22	11:15: 0	1.250	1251.000	118.00	3.000
23	11:16: 0	1.267	54.000	118.00	-1197.000
24	11:19:59	1.333	41.000	118.00	-13.000
25	11:25: 0	1.417	34.000	118.00	-7.000
26	11:30: 0	1.500	46.000	118.00	12.000
27	11:34:59	1.583	42.000	118.00	-4.000
28	11:40: 0	1.667	37.000	118.00	-5.000
29	11:45: 0	1.750	36.000	118.00	-1.000
30	11:49:59	1.833	35.000	118.00	-1.000
31	11:55: 0	1.917	34.000	118.00	-1.000
32	12: 0: 0	2.000	34.000	118.00	0.000
33	12: 4:59	2.083	34.000	118.00	0.000
34	12:10: 0	2.167	34.000	118.00	0.000
35	12:15: 0	2.250	34.000	118.00	0.000
36	12:19:59	2.333	34.000	118.00	0.000
37	12:25: 0	2.417	34.000	118.00	0.000
38	12:28: 0	2.467	44.000	118.00	10.000
39	12:31: 0	2.517	68.000	118.00	24.000
40	12:34: 0	2.567	95.000	118.00	27.000
41	12:37: 0	2.617	126.000	118.00	31.000
42	12:40: 0	2.667	160.000	118.00	34.000
43	12:43: 0	2.717	199.000	118.00	39.000
44	12:46: 0	2.767	238.000	118.00	39.000
45	12:49: 0	2.817	279.000	118.00	41.000
46	12:52: 0	2.867	330.000	118.00	51.000
47	12:55: 0	2.917	399.000	118.00	69.000
48	12:58: 0	2.967	477.000	118.00	78.000
49	13: 1: 0	3.017	567.000	118.00	90.000
50	13: 4: 0	3.067	656.000	118.00	89.000
51	13: 7: 0	3.117	768.000	118.00	112.000
52	13:10: 0	3.167	874.000	118.00	106.000

COMPANY : BRANDT PRODUCTION CO. INC.

FIELD : WAGONER

WELL : #1

JOB # : 11608

GAUGE # : 3659

DEPTH : 3746

DATE : 29/10/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	13:13: 0	3.217	980.000	118.00	106.000
54	13:16: 0	3.267	1057.000	118.00	77.000
55	13:19: 0	3.317	1112.000	118.00	55.000
56	13:22: 0	3.367	1157.000	118.00	45.000
57	13:25: 0	3.417	1183.000	118.00	26.000
58	13:28: 0	3.467	1201.000	118.00	18.000
59	13:31: 0	3.517	1213.000	118.00	12.000
60	13:34: 0	3.567	1223.000	118.00	10.000
61	13:37: 0	3.617	1229.000	118.00	6.000
62	13:40: 0	3.667	1234.000	118.00	5.000

WESTERN TESTING CO. INC.

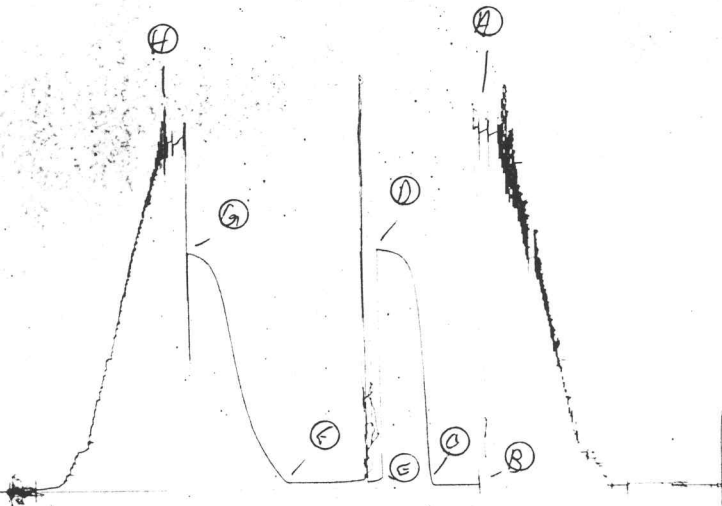
TTT#11608

DST#1

Rec 3459

KT 11608

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TKT 11608



TKT# 11608

DST#1

Pc 13122

