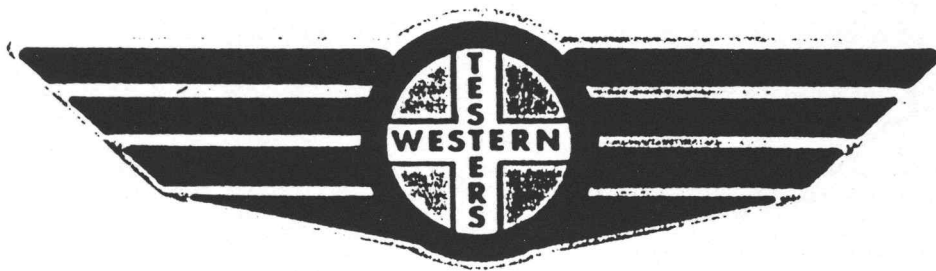


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BASIN EXPLORATION

LEASE & WELL NO. Z-BAR #42-1-5

SEC. 5 TWP. 14S RGE. 10E TEST NO. 1 DATE 11-22-87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 11-22-87 TICKET : 11621
CUSTOMER : BASIN EXPLORATION LEASE : Z-BAR
WELL : #42-1-5 TEST: 1 GEOLOGIST : RAYMOND ?
ELEVATION : 1434 KB FORMATION : VIOLA
SECTION : 5 TOWNSHIP : 14S
RANGE : 10E COUNTY : WABAUNSEE STATE : KANSAS
GAUGE SN# : 3659 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 3242 TO : 3250 TOTAL DEPTH : 3250
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3237 SIZE : 6.63
PACKER DEPTH : 3242 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : EDCO RIG #6
MUD TYPE : CHEM-DAPAC VISCOSITY : 40
WEIGHT : 9.2 WATER LOSS (CC) : 9.2
CHLORIDES (PPM) : 700
JARS-MAKE : WTC SERIAL NUMBER :
DID WELL FLOW ? : REVERSED OUT ? :

DRILL COLLAR LENGTH : 326 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 2890 FT I.D. inch : 3.80
TEST TOOL LENGTH : 26 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 8 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-STRONG BLOW OFF BOTTOM OF BUCKET.
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW OFF BOTTOM OF BUCKET.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 210 FT OF: MUDDY WATER
RECOVERED : 1200 FT OF: FRESH WATER

CHLORIDES: 3300 PPM

Total Barrels Fluid = 16.81
Total Fluid Prod Rate = 322.71 BFPD
Indicated Wtr Rate = 297.53 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 12:25 AM
WELL TEMPERATURE : 124

TIME STARTED OFF BOTTOM : 3:40 AM

INITIAL HYDROSTATIC PRESSURE		(A)	1594	
INITIAL FLOW PERIOD	MIN:	(B)	522	PSI TO (C) : 559
INITIAL CLOSED IN PERIOD	MIN:	(D)	635	
FINAL FLOW PERIOD	MIN:	(E)	595	PSI TO (F) : 640
FINAL CLOSED IN PERIOD	MIN:	(G)	640	
FINAL HYDROSTATIC PRESSURE		(H)	1574	

FLUID SAMPLE REPORT

Date : 11-22-87

Ticket No. : 11621

Company : BASIN EXPLORATION

Well Name & No. : Z-BAR #42-1-5

DST No. 1

County : WABAUNSEE

State : KANSAS

Sampler No. : 1

Test Interval : 3242-3252

=====
Pressure in Sampler 10 PSIG BHT 124 Deg F

Total Volume of Sampler : 3150 cc

Total Volume of Sample : 2950 cc

Oil: 0 cc

Water: 2950 cc

Mud: - cc

Gas: - cu ft

Other: - cc
=====

RESITIVITY

Drilling Mud 1.8 @ 65 F Chloride Content 3300 ppm

Mud Pit Sample 1.9 @ 52 F Chloride Content 700 ppm

Gas/Oil Ratio Gravity API @ Deg F

Where was sample drained

Remarks: RW .09 BHT DST SAMPLE

RW .08 BHT PIT MUD

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : BASIN EXPLORATION
RIG : WABAUNSEE-KANSAS
FIELD : Z-BAR
WELL : #42-1-5
DATE : 11-22-87
GAUGE NO : 3659

OPERATIONAL COMMENTS

COMPANY : BASIN EXPLORATION

WELL : #42-1-5

GAUGE # : 3659

DATE : 22/11/87

FIELD : Z-BAR

JOB # : 11621

DEPTH : 3250

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	12:25: 0	0.000	522.000	124.00	0.000
2	12:29:59	0.083	532.000	124.00	10.000
3	12:35: 0	0.167	543.000	124.00	11.000
4	12:40: 0	0.250	559.000	124.00	16.000
5	12:43: 0	0.300	614.000	124.00	55.000
6	12:46: 0	0.350	623.000	124.00	9.000
7	12:49: 0	0.400	628.000	124.00	5.000
8	12:52: 0	0.450	629.000	124.00	1.000
9	12:55: 0	0.500	630.000	124.00	1.000
10	12:58: 0	0.550	631.000	124.00	1.000
11	13: 1: 0	0.600	632.000	124.00	1.000
12	13: 4: 0	0.650	633.000	124.00	1.000
13	13: 7: 0	0.700	634.000	124.00	1.000
14	13:10: 0	0.750	635.000	124.00	1.000
15	13:11: 0	0.767	595.000	124.00	-40.000
16	13:14:59	0.833	596.000	124.00	1.000
17	13:20: 0	0.917	604.000	124.00	8.000
18	13:25: 0	1.000	617.000	124.00	13.000
19	13:29:59	1.083	625.000	124.00	8.000
20	13:35: 0	1.167	628.000	124.00	3.000
21	13:40: 0	1.250	634.000	124.00	6.000
22	13:44:59	1.333	637.000	124.00	3.000
23	13:50: 0	1.417	638.000	124.00	1.000
24	13:55: 0	1.500	639.000	124.00	1.000
25	13:59:59	1.583	640.000	124.00	1.000
26	14: 5: 0	1.667	640.000	124.00	0.000
27	14:10: 0	1.750	640.000	124.00	0.000
28	14:13: 0	1.800	640.000	124.00	0.000
29	14:16: 0	1.850	640.000	124.00	0.000
30	14:19: 0	1.900	640.000	124.00	0.000
31	14:22: 0	1.950	640.000	124.00	0.000
32	14:25: 0	2.000	640.000	124.00	0.000
33	14:28: 0	2.050	640.000	124.00	0.000
34	14:31: 0	2.100	640.000	124.00	0.000
35	14:34: 0	2.150	640.000	124.00	0.000
36	14:37: 0	2.200	640.000	124.00	0.000
37	14:40: 0	2.250	640.000	124.00	0.000
38	14:43: 0	2.300	640.000	124.00	0.000
39	14:46: 0	2.350	640.000	124.00	0.000
40	14:49: 0	2.400	640.000	124.00	0.000
41	14:52: 0	2.450	640.000	124.00	0.000
42	14:55: 0	2.500	640.000	124.00	0.000
43	14:58: 0	2.550	640.000	124.00	0.000
44	15: 1: 0	2.600	640.000	124.00	0.000
45	15: 4: 0	2.650	640.000	124.00	0.000
46	15: 7: 0	2.700	640.000	124.00	0.000
47	15:10: 0	2.750	640.000	124.00	0.000
48	15:13: 0	2.800	640.000	124.00	0.000
49	15:16: 0	2.850	640.000	124.00	0.000
50	15:19: 0	2.900	640.000	124.00	0.000
51	15:22: 0	2.950	640.000	124.00	0.000
52	15:25: 0	3.000	640.000	124.00	0.000

COMPANY : BASIN EXPLORATION
WELL : #42-1-5
GAUGE # : 3659
DATE : 22/11/87

FIELD : Z-BAR
JOB # : 11621
DEPTH : 3250
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	15:28: 0	3.050	640.000	124.00	0.000
54	15:31: 0	3.100	640.000	124.00	0.000
55	15:34: 0	3.150	640.000	124.00	0.000
56	15:37: 0	3.200	640.000	124.00	0.000
57	15:40: 0	3.250	640.000	124.00	0.000

WESTERN TESTING CO. INC.

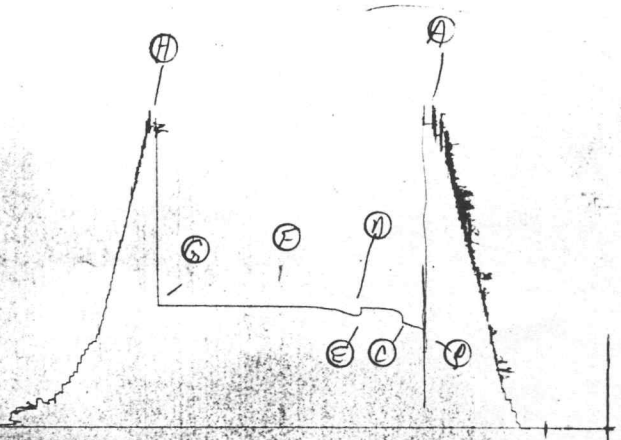
KT 11621

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KT 11621

DST #1

Rec 3059



RT 11621

15

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RT 11621

DST# 1

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