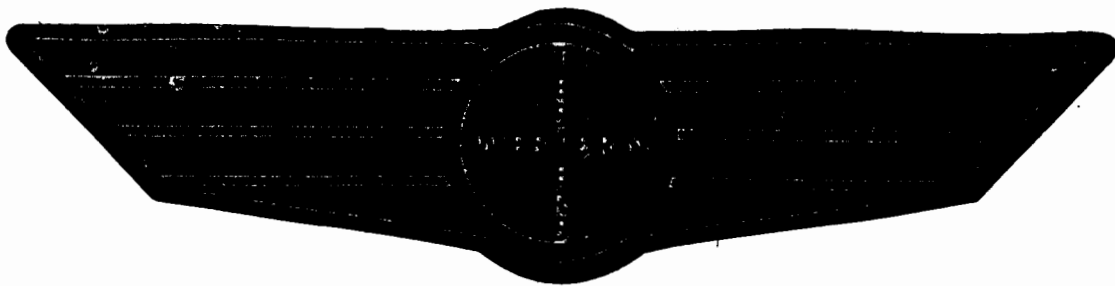


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY ZPC PETROLEUM, INC. LEASE & WELL NO. DUBBS #4-32 SEC. 32 TWP. 16S RGE. 24W TEST NO. 1 DATE 4/4/91

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4/4/91	TICKET	:	17979
CUSTOMER	:	ZPC PETROLEUM INC.	LEASE	:	DUBBS
WELL	:	4-32	TEST:	:	1
ELEVATION	:	2506 KB	GEOLOGIST	:	STEWART
SECTION	:	32	FORMATION	:	MISSISSIPPI
RANGE	:	24W	TOWNSHIP	:	16S
	:	COUNTY :	STATE	:	KANSAS
GAUGE SN#	:	11018	RANGE :	:	4425
	:		CLOCK	:	12

INTERVAL FROM	:	4408	TO	:	4495	TOTAL DEPTH	:	4495
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4403	SIZE	:	6.75			
PACKER DEPTH	:	4408	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	DUKE RIG 4			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	52
WEIGHT	:	9.7	WATER LOSS (CC)	:	11.4
CHLORIDES (PPM)	:	1250			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	30	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	157	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	4201	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	87	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 PERIOD WEAK BLOW-DEAD IN
BLOW COMMENT #2	:	15 MINUTES.
BLOW COMMENT #3	:	FINAL FLOW PERIOD NO BLOW.
BLOW COMMENT #4	:	

RECOVERED : 5 FT OF: DRILLING MUD W/SCUM OF OIL

Total Barrels Fluid = 0.02
Total Fluid Prod Rate = 0.56 BFPD
Indicated Wtr Rate = 0.06 BWPD

REMARK 1 : TIGHT HOLE
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:45 PM

TIME STARTED OFF BOTTOM : 8:45 PM

WELL TEMPERATURE : 121

INITIAL HYDROSTATIC PRESSURE

(A) 2224

INITIAL FLOW PERIOD MIN: 30

(B) 43

PSI TO (C) : 43

INITIAL CLOSED IN PERIOD MIN: 33

(D) 415

FINAL FLOW PERIOD MIN: 30

(E) 55

PSI TO (F) : 55

FINAL CLOSED IN PERIOD MIN: 33

(G) 351

FINAL HYDROSTATIC PRESSURE

(H) 2206

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : ZPC PETROLEUM INC.
RIG : NESS-KANSAS
FIELD : DUBBS
WELL : 4-32
DATE : 4/4/91
GAUGE NO : 11018

OPERATIONAL COMMENTS

TIGHT HOLE

COMPANY : ZPC PETROLEUM INC.
WELL : 4-32
GAUGE # : 11018
DATE : 4/ 4/91

FIELD : DUBBS
JOB # : 17979
DEPTH : 4495
TEST : TIGHT HOLE

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
-----	-----	-----	-----	-----	-----
INITIAL FLOW PERIOD					
2	6:45: 0	0.000	43.000	121.00	0.000
3	6:49:59	0.083	43.000	121.00	0.000
4	6:55: 0	0.167	43.000	121.00	0.000
5	7: 0: 0	0.250	43.000	121.00	0.000
6	7: 4:59	0.333	43.000	121.00	0.000
7	7:10: 0	0.417	43.000	121.00	0.000
8	7:15: 0	0.500	43.000	121.00	0.000
INITIAL SHUT-IN PERIOD					
9	7:18: 0	0.550	43.000	121.00	0.000
10	7:21: 0	0.600	43.000	121.00	0.000
11	7:24: 0	0.650	46.000	121.00	3.000
12	7:27: 0	0.700	55.000	121.00	9.000
13	7:30: 0	0.750	76.000	121.00	21.000
14	7:33: 0	0.800	124.000	121.00	48.000
15	7:36: 0	0.850	182.000	121.00	58.000
16	7:39: 0	0.900	240.000	121.00	58.000
17	7:42: 0	0.950	305.000	121.00	65.000
18	7:45: 0	1.000	362.000	121.00	57.000
19	7:48: 0	1.050	415.000	121.00	53.000
FINAL FLOW PERIOD					
20	7:49: 0	1.067	55.000	121.00	-360.000
21	7:52:59	1.133	55.000	121.00	0.000
22	7:58: 0	1.217	55.000	121.00	0.000
23	8: 3: 0	1.300	55.000	121.00	0.000
24	8: 7:59	1.383	55.000	121.00	0.000
25	8:13: 0	1.467	55.000	121.00	0.000
26	8:18: 0	1.550	55.000	121.00	0.000
FINAL SHUT-IN PERIOD					
27	8:21: 0	1.600	55.000	121.00	0.000
28	8:24: 0	1.650	60.000	121.00	5.000
29	8:27: 0	1.700	65.000	121.00	5.000
30	8:30: 0	1.750	81.000	121.00	16.000
31	8:33: 0	1.800	108.000	121.00	27.000
32	8:36: 0	1.850	145.000	121.00	37.000
33	8:39: 0	1.900	184.000	121.00	39.000
34	8:42: 0	1.950	228.000	121.00	44.000
35	8:45: 0	2.000	272.000	121.00	44.000
36	8:48: 0	2.050	316.000	121.00	44.000
37	8:51: 0	2.100	351.000	121.00	35.000

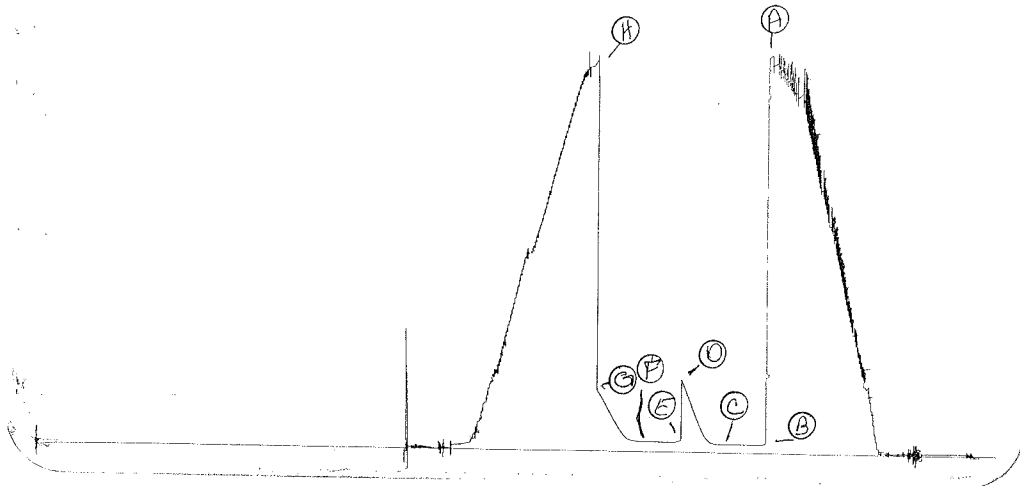
WESTERN TESTING CO. INC.

~~11218~~

TKT 17979

~~2pc~~
DST 1

I



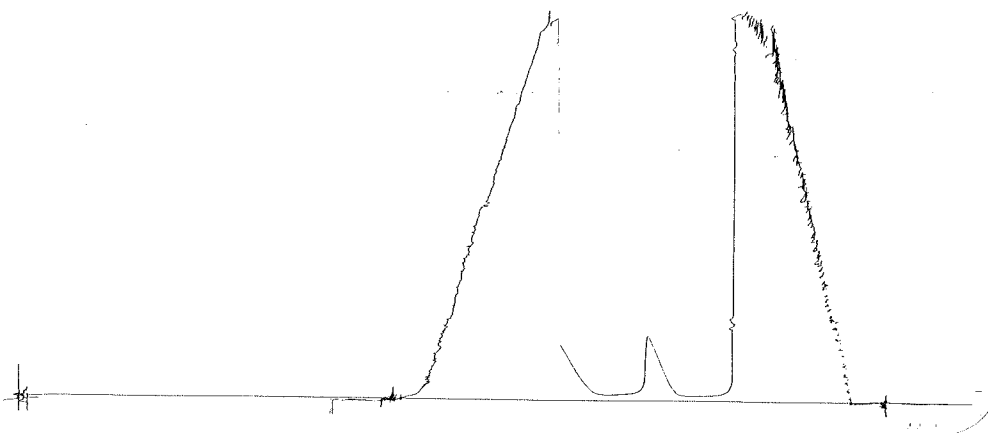
Inside Recorder

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TKT 17979

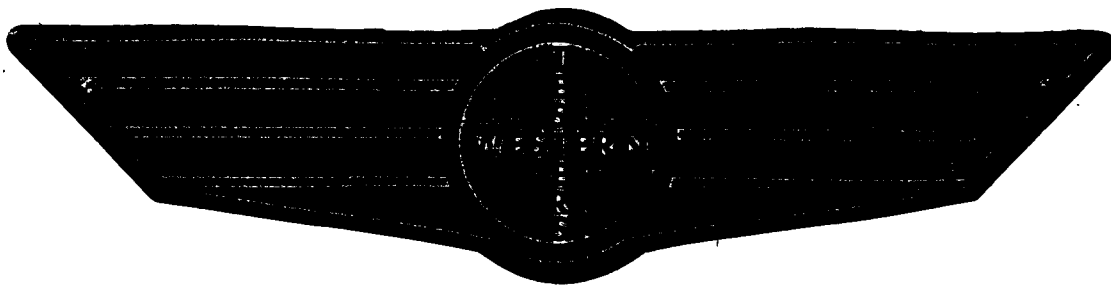
~~2pc~~
DST 1

O



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone **1 - 800-688-7021**

COMPANY ZPC PETROLEUM, INC.

LEASE & WELL NO.

DUBBS #4-32

SEC. 32

TWP. 16S

RGE. 24W

TEST NO.

2

DATE

4/5/91

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4-5-91	TICKET	:	17980
CUSTOMER	:	ZPC PETROLEUM INC.	LEASE	:	DUBBS
WELL	:	4-32	TEST:	:	2
ELEVATION	:	2506 KB	GEOLOGIST	:	STEWART
SECTION	:	32	FORMATION	:	MISSISSIPPIAN
RANGE	:	24W	TOWNSHIP	:	16S
	:	COUNTY :	STATE	:	KANSAS
GAUGE SN#	:	11018	RANGE	:	4425
	:		CLOCK	:	12

INTERVAL FROM	:	4408	TO	:	4502	TOTAL DEPTH	:	4502
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4403	SIZE	:	6.75			
PACKER DEPTH	:	4408	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	DUKE DRILLING RIG 4			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	49
WEIGHT	:	9.7	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	1150			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	30	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	157	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	4201	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	94	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1	:	INITIAL FLOW PERIOD WEAK TO FAIR BLOW-5
BLOW COMMENT #2	:	INCH IN BUCKET.
BLOW COMMENT #3	:	FINAL FLOW PERIOD WEAK BLOW 2 INCH IN BUCKET.
BLOW COMMENT #4	:	

RECOVERED : 5 FT OF: FREE OIL
RECOVERED : 65 FT OF: HVY OIL CUT MUD-30%OIL;70%MUD
RECOVERED : 60 FT OF: OIL CUT MUD-10%OIL;90%MUD

Total Barrels Fluid = 0.85
Total Fluid Prod Rate = 10.19 BFPD
Indicated Oil Rate = 2.39 BOPD
Indicated Wtr Rate = 0.78 BWPD
Corrected Oil Rate = 6.69 BOPD
Corrected Wtr Rate = 2.18 BWPD

REMARK 1 : TIGHT HOLE
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:50 A.M. TIME STARTED OFF BOTTOM : 11:20 A.M.
WELL TEMPERATURE : 122
INITIAL HYDROSTATIC PRESSURE (A) 2232
INITIAL FLOW PERIOD MIN: 45 (B) 62 PSI TO (C) : 66
INITIAL CLOSED IN PERIOD MIN: 63 (D) 924
FINAL FLOW PERIOD MIN: 75 (E) 91 PSI TO (F) : 94
FINAL CLOSED IN PERIOD MIN: 90 (G) 877
FINAL HYDROSTATIC PRESSURE (H) 2184

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : ZPC PETROLEUM INC.
RIG : NESS-KANSAS
FIELD : DUBBS
WELL : 4-32
DATE : 4-5-91
GAUGE NO : 11018

OPERATIONAL COMMENTS

TIGHT HOLE

COMPANY : ZPC PETROLEUM INC.
WELL : 4-32
GAUGE # : 11018
DATE : 5/ 4/91

FIELD : DUBBS
JOB # : 17980
DEPTH : 4502
TEST : TIGHT HOLE

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	6:50: 0	0.000	62.000	122.00	0.000
3	6:54:59	0.083	62.000	122.00	0.000
4	7: 0: 0	0.167	62.000	122.00	0.000
5	7: 5: 0	0.250	62.000	122.00	0.000
6	7: 9:59	0.333	62.000	122.00	0.000
7	7:15: 0	0.417	63.000	122.00	1.000
8	7:20: 0	0.500	65.000	122.00	2.000
9	7:24:59	0.583	66.000	122.00	1.000
10	7:30: 0	0.667	66.000	122.00	0.000
11	7:35: 0	0.750	66.000	122.00	0.000
INITIAL SHUT-IN PERIOD					
12	7:38: 0	0.800	69.000	122.00	3.000
13	7:41: 0	0.850	166.000	122.00	97.000
14	7:44: 0	0.900	289.000	122.00	123.000
15	7:47: 0	0.950	384.000	122.00	95.000
16	7:50: 0	1.000	457.000	122.00	73.000
17	7:53: 0	1.050	518.000	122.00	61.000
18	7:56: 0	1.100	570.000	122.00	52.000
19	7:59: 0	1.150	612.000	122.00	42.000
20	8: 2: 0	1.200	651.000	122.00	39.000
21	8: 5: 0	1.250	683.000	122.00	32.000
22	8: 8: 0	1.300	715.000	122.00	32.000
23	8:11: 0	1.350	745.000	122.00	30.000
24	8:14: 0	1.400	769.000	122.00	24.000
25	8:17: 0	1.450	794.000	122.00	25.000
26	8:20: 0	1.500	815.000	122.00	21.000
27	8:23: 0	1.550	835.000	122.00	20.000
28	8:26: 0	1.600	854.000	122.00	19.000
29	8:29: 0	1.650	871.000	122.00	17.000
30	8:32: 0	1.700	887.000	122.00	16.000
31	8:35: 0	1.750	902.000	122.00	15.000
32	8:38: 0	1.800	924.000	122.00	22.000
FINAL FLOW PERIOD					
33	8:39: 0	1.817	91.000	122.00	-833.000
34	8:42:59	1.883	91.000	122.00	0.000
35	8:48: 0	1.967	92.000	122.00	1.000
36	8:53: 0	2.050	92.000	122.00	0.000
37	8:57:59	2.133	92.000	122.00	0.000
38	9: 3: 0	2.217	92.000	122.00	0.000
39	9: 8: 0	2.300	92.000	122.00	0.000
40	9:12:59	2.383	92.000	122.00	0.000
41	9:18: 0	2.467	92.000	122.00	0.000
42	9:23: 0	2.550	92.000	122.00	0.000
43	9:27:59	2.633	92.000	122.00	0.000
44	9:33: 0	2.717	93.000	122.00	1.000
45	9:38: 0	2.800	93.000	122.00	0.000
46	9:42:59	2.883	93.000	122.00	0.000
47	9:48: 0	2.967	94.000	122.00	1.000
48	9:53: 0	3.050	94.000	122.00	0.000

COMPANY : ZPC PETROLEUM INC.
WELL : 4-32
GAUGE # : 11018
DATE : 5/ 4/91

FIELD : DUBBS
JOB # : 17980
DEPTH : 4502
TEST : TIGHT HOLE

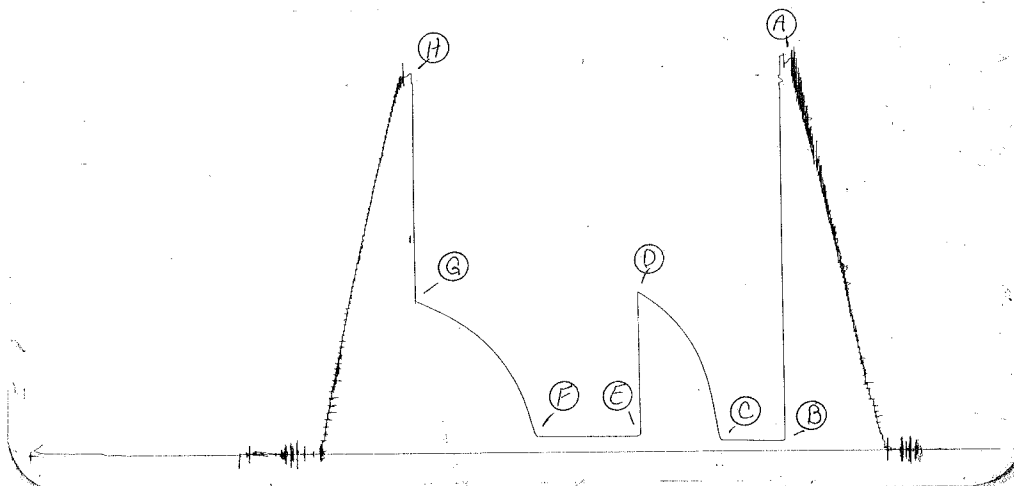
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
48	9:53: 0	3.050	94.000	122.00	0.000
FINAL SHUT-IN PERIOD					
49	9:56: 0	3.100	105.000	122.00	11.000
50	9:58:59	3.150	172.000	122.00	67.000
51	10: 2: 0	3.200	248.000	122.00	76.000
52	10: 5: 0	3.250	315.000	122.00	67.000
53	10: 8: 0	3.300	368.000	122.00	53.000
54	10:11: 0	3.350	416.000	122.00	48.000
55	10:13:59	3.400	455.000	122.00	39.000
56	10:17: 0	3.450	492.000	122.00	37.000
57	10:20: 0	3.500	523.000	122.00	31.000
58	10:23: 0	3.550	556.000	122.00	33.000
59	10:26: 0	3.600	585.000	122.00	29.000
60	10:29: 0	3.650	608.000	122.00	23.000
61	10:32: 0	3.700	632.000	122.00	24.000
62	10:35: 0	3.750	654.000	122.00	22.000
63	10:38: 0	3.800	675.000	122.00	21.000
64	10:41: 0	3.850	694.000	122.00	19.000
65	10:44: 0	3.900	710.000	122.00	16.000
66	10:47: 0	3.950	726.000	122.00	16.000
67	10:50: 0	4.000	743.000	122.00	17.000
68	10:53: 0	4.050	757.000	122.00	14.000
69	10:56: 0	4.100	773.000	122.00	16.000
70	10:59: 0	4.150	786.000	122.00	13.000
71	11: 2: 0	4.200	799.000	122.00	13.000
72	11: 5: 0	4.250	809.000	122.00	10.000
73	11: 8: 0	4.300	823.000	122.00	14.000
74	11:11: 0	4.350	832.000	122.00	9.000
75	11:14: 0	4.400	845.000	122.00	13.000
76	11:17: 0	4.450	853.000	122.00	8.000
77	11:20: 0	4.500	866.000	122.00	13.000
78	11:23: 0	4.550	877.000	122.00	11.000

WESTERN TESTING CO. INC.

11018

TKT 17980
I

2pc
DST2

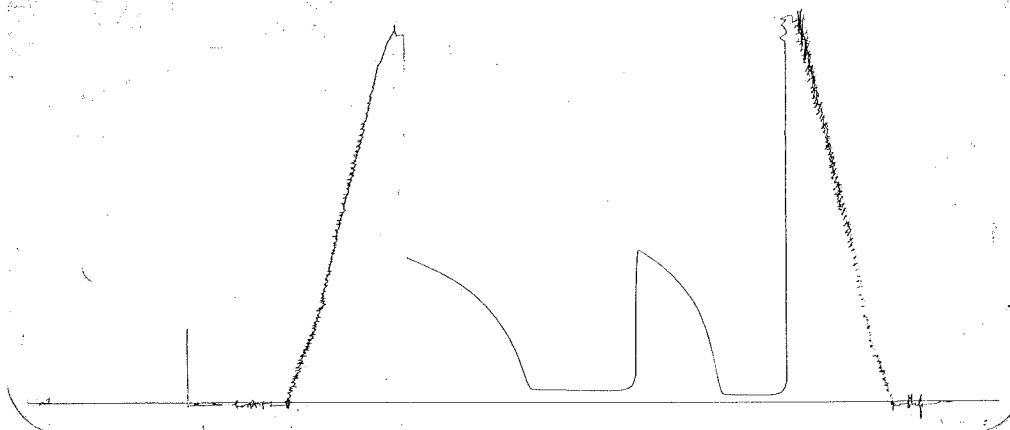


Inside Recorder

13629

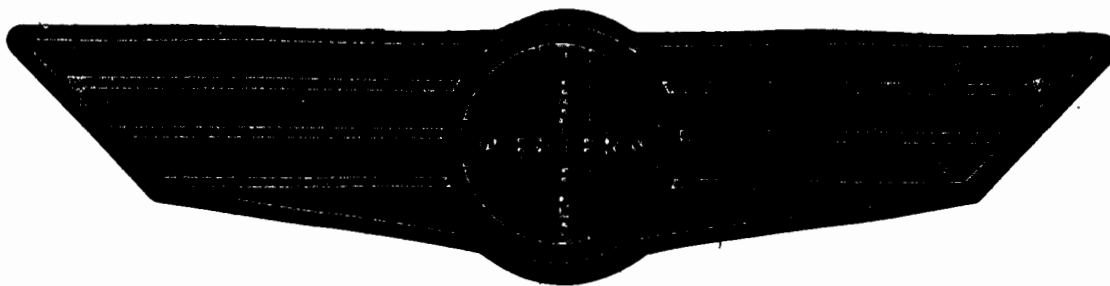
TKT 17980
O

2pc
DST2



Outside Recorder

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone **1 - 800-688- 7021**

COMPANY ZPC PETROLEUM, INC. LEASE & WELL NO. DUBBS #4-32 SEC. 32 TWP. 16 SRGE. 24 TEST NO. 3 DATE 4/5/91

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	4/5/91	TICKET	:	17981
CUSTOMER	:	ZPC PETROLEUM INC.	LEASE	:	DUBBS
WELL	:	4-32	TEST:	:	3
ELEVATION	:	2506 KB	GEOLOGIST	:	STEWART
SECTION	:	32	FORMATION	:	MISSISSIPPI
RANGE	:	24W	TOWNSHIP	:	16S
Gauge SN#	:	11018	STATE	:	KANSAS
		COUNTY :	RANGE :		CLOCK :
			4425		12

INTERVAL FROM	:	4408	TO	:	4505	TOTAL DEPTH	:	4505
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4403	SIZE	:	6.75			
PACKER DEPTH	:	4408	SIZE	:	6.75			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	DUKE RIG 4			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	49
WEIGHT	:	9.7	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	1150			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	30	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	157	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	4201	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	97	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD WEAK TO FAIR BLOW-
BLOW COMMENT #2 : 5 INCHES IN BUCKET.
BLOW COMMENT #3 : FINAL FLOW PERIOD WEAK BLOW - 1/2 INCH IN
BLOW COMMENT #4 : BUCKET.

RECOVERED : 70 FT OF: OIL CUT MUD-10%OIL:90%MUD
RECOVERED : 60 FT OF: OIL CUT MUD-5%OIL:95%MUD

Total Barrels Fluid = 0.85
Total Fluid Prod Rate = 15.28 BFPD
Indicated Oil Rate = 1.18 BOPD
Indicated Wtr Rate = 1.41 BWPD
Corrected Oil Rate = 11.92 BOPD
Corrected Wtr Rate = 14.31 BWPD

REMARK 1 : TIGHT HOLE
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	8:45 PM	TIME STARTED OFF BOTTOM :	11:30 PM
WELL TEMPERATURE :	122		
INITIAL HYDROSTATIC PRESSURE		(A)	2229
INITIAL FLOW PERIOD MIN:	50	(B)	64 PSI TO (C) : 75
INITIAL CLOSED IN PERIOD MIN:	60	(D)	956
FINAL FLOW PERIOD MIN:	30	(E)	102 PSI TO (F) : 102
FINAL CLOSED IN PERIOD MIN:	33	(G)	728
FINAL HYDROSTATIC PRESSURE		(H)	2197

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : ZPC PETROLEUM INC.
RIG : NESS-KANSAS
FIELD : DUBBS
WELL : 4-32
DATE : 4/5/91
GAUGE NO : 11018

OPERATIONAL COMMENTS

TIGHT HOLE

COMPANY : ZPC PETROLEUM INC.
WELL : 4-32
GAUGE # : 11018
DATE : 5/ 4/91

FIELD : DUBBS
JOB # : 17981
DEPTH : 4505
TEST : TIGHT HOLE

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	8:45: 0	0.000	64.000	122.00	0.000
3	8:49:59	0.083	64.000	122.00	0.000
4	8:55: 0	0.167	64.000	122.00	0.000
5	9: 0: 0	0.250	64.000	122.00	0.000
6	9: 4:59	0.333	65.000	122.00	1.000
7	9:10: 0	0.417	68.000	122.00	3.000
8	9:15: 0	0.500	72.000	122.00	4.000
9	9:19:59	0.583	74.000	122.00	2.000
10	9:25: 0	0.667	75.000	122.00	1.000
11	9:30: 0	0.750	75.000	122.00	0.000
12	9:34:59	0.833	75.000	122.00	0.000
INITIAL SHUT-IN PERIOD					
13	9:37:59	0.883	325.000	122.00	250.000
14	9:40:59	0.933	420.000	122.00	95.000
15	9:43:59	0.983	494.000	122.00	74.000
16	9:46:59	1.033	546.000	122.00	52.000
17	9:49:59	1.083	595.000	122.00	49.000
18	9:52:59	1.133	638.000	122.00	43.000
19	9:55:59	1.183	673.000	122.00	35.000
20	9:58:59	1.233	707.000	122.00	34.000
21	10: 1:59	1.283	737.000	122.00	30.000
22	10: 4:59	1.333	769.000	122.00	32.000
23	10: 7:59	1.383	796.000	122.00	27.000
24	10:10:59	1.433	821.000	122.00	25.000
25	10:13:59	1.483	843.000	122.00	22.000
26	10:16:59	1.533	865.000	122.00	22.000
27	10:19:59	1.583	883.000	122.00	18.000
28	10:22:59	1.633	900.000	122.00	17.000
29	10:25:59	1.683	915.000	122.00	15.000
30	10:28:59	1.733	930.000	122.00	15.000
31	10:31:59	1.783	944.000	122.00	14.000
32	10:34:59	1.833	956.000	122.00	12.000
FINAL FLOW PERIOD					
33	10:36: 0	1.850	102.000	122.00	-854.000
34	10:39:59	1.917	102.000	122.00	0.000
35	10:45: 0	2.000	102.000	122.00	0.000
36	10:49:59	2.083	102.000	122.00	0.000
37	10:54:59	2.167	102.000	122.00	0.000
38	11: 0: 0	2.250	102.000	122.00	0.000
39	11: 4:59	2.333	102.000	122.00	0.000
FINAL SHUT-IN PERIOD					
40	11: 7:59	2.383	192.000	122.00	90.000
41	11:10:59	2.433	320.000	122.00	128.000
42	11:13:59	2.483	407.000	122.00	87.000
43	11:16:59	2.533	473.000	122.00	66.000
44	11:19:59	2.583	527.000	122.00	54.000
45	11:22:59	2.633	571.000	122.00	44.000
46	11:25:59	2.683	610.000	122.00	39.000
47	11:28:59	2.733	650.000	122.00	40.000
48	11:31:59	2.783	682.000	122.00	32.000

COMPANY : ZPC PETROLEUM INC.
WELL : 4-32
GAUGE # : 11018
DATE : 5/ 4/91

FIELD : DUBBS
JOB # : 17981
DEPTH : 4505
TEST : TIGHT HOLE

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	11:34:59	2.833	713.000	122.00	31.000
50	11:37:59	2.883	728.000	122.00	15.000

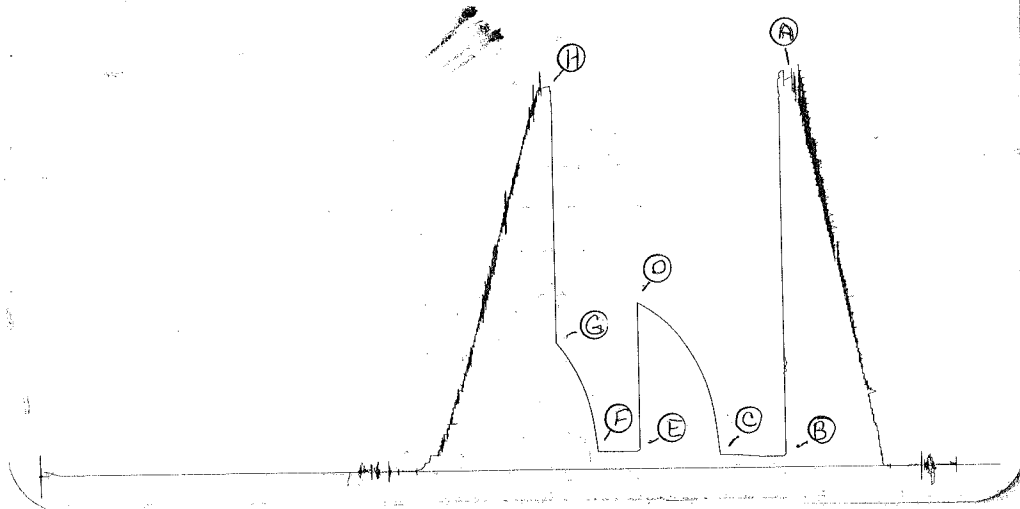
WESTERN TESTING CO. INC.

77018

TKT 17981

2pc
DST 3

I



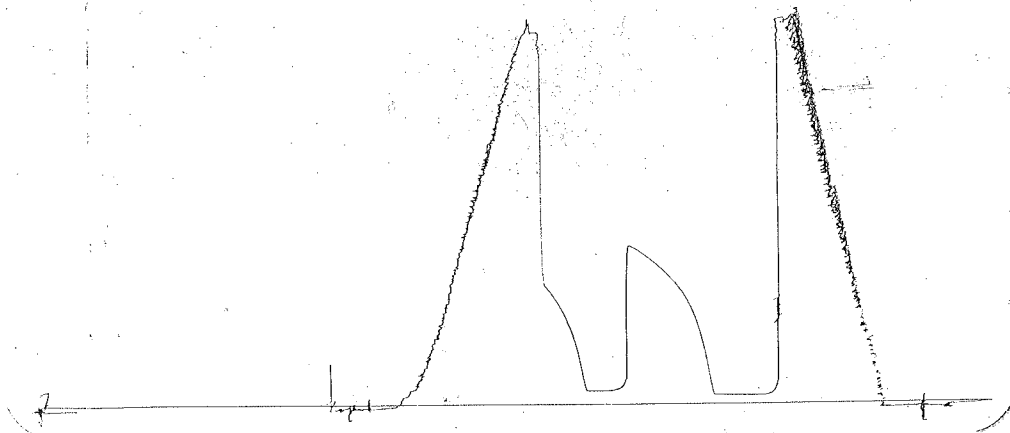
Inside Recorder

73629

TKT 17981

2pc
DST 3

O

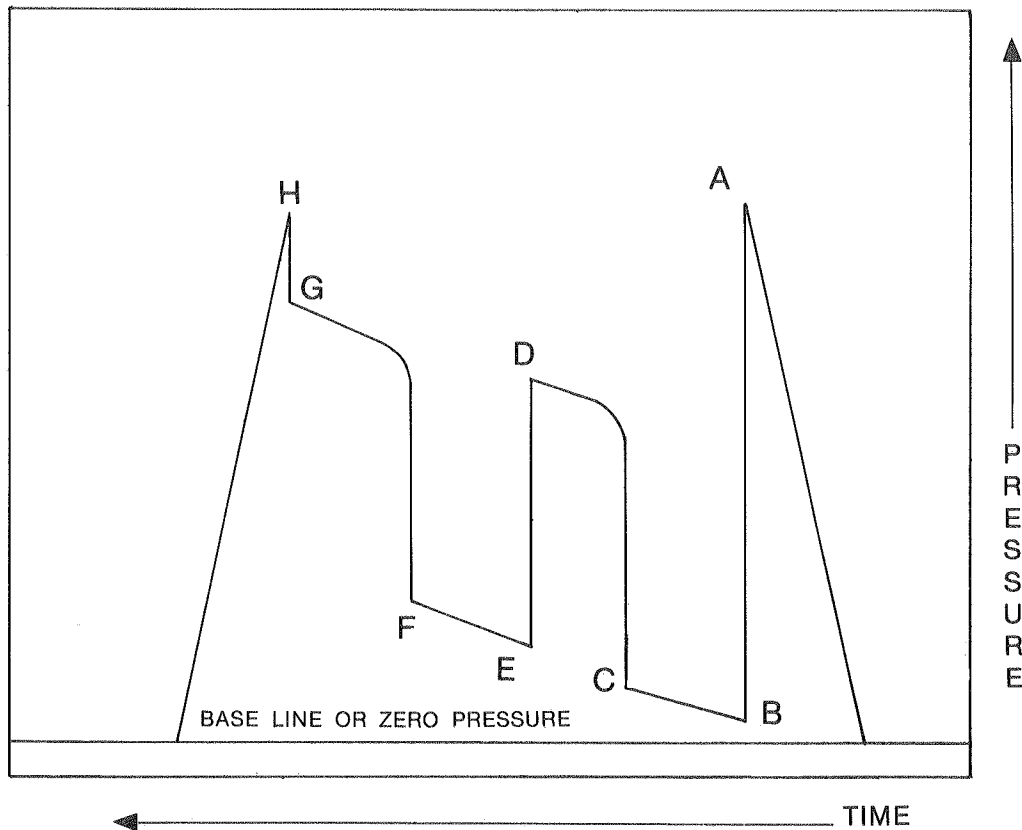


Outside Recorder

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

AK-1 Recorders



A - Initial Hydrostatic

B - First Initial Flow

C - First Final Flow

D - Initial Shut-In

E - Second Initial Flow

F - Second Final Flow

G - Final Shut-In

H - Final Hydrostatic