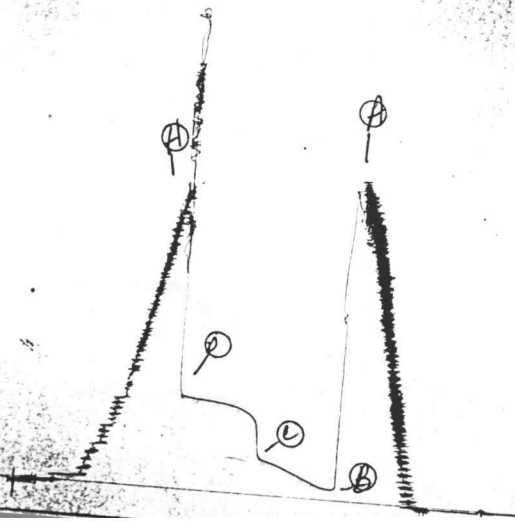


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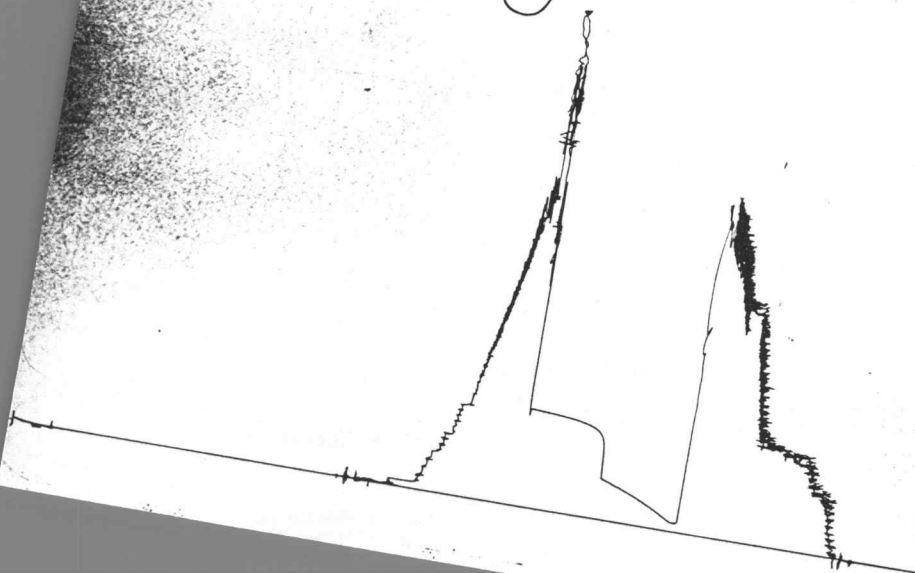
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BEAR PETROLEUM LEASE & WELL NO. WEST LYONS UNIT #7-3 SEC. 20 TWP. 19S RGE. 8W TEST NO. 1 DATE 6/20/88

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BEAR PETROLEUM
RIG : RICE-KANSAS
FIELD : WEST LYONS UNIT
WELL : #7-3
DATE : 6-20-88
GAUGE NO : 1049

OPERATIONAL COMMENTS

COMPANY : BEAR PETROLEUM
WELL : #7-3
GAUGE # : 1049
DATE : 20/ 6/88

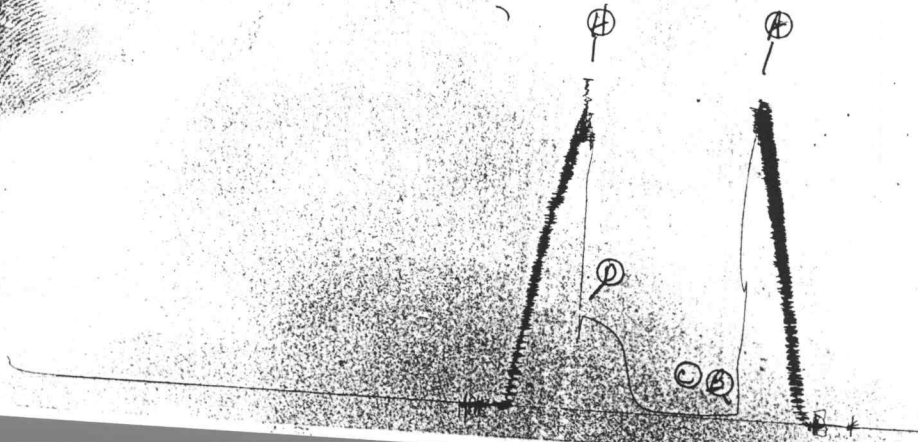
FIELD : WEST LYONS UNIT
JOB # : 13524
DEPTH : 3278
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	11:30: 0	0.000	75.000	116.00	0.000
2	11:34:59	0.083	75.000	116.00	0.000
3	11:40: 0	0.167	77.000	116.00	2.000
4	11:45: 0	0.250	89.000	116.00	12.000
5	11:49:59	0.333	109.000	116.00	20.000
6	11:55: 0	0.417	122.000	116.00	13.000
7	12: 0: 0	0.500	138.000	116.00	16.000
8	12: 4:59	0.583	156.000	116.00	18.000
9	12:10: 0	0.667	172.000	116.00	16.000
10	12:15: 0	0.750	185.000	116.00	13.000
11	12:19:59	0.833	196.000	116.00	11.000
12	12:25: 0	0.917	205.000	116.00	9.000
13	12:30: 0	1.000	211.000	116.00	6.000
14	12:33: 0	1.050	366.000	116.00	155.000
15	12:36: 0	1.100	441.000	116.00	75.000
16	12:39: 0	1.150	459.000	116.00	18.000
17	12:42: 0	1.200	474.000	116.00	15.000
18	12:45: 0	1.250	486.000	116.00	12.000
19	12:48: 0	1.300	493.000	116.00	7.000
20	12:51: 0	1.350	499.000	116.00	6.000
21	12:54: 0	1.400	504.000	116.00	5.000
22	12:57: 0	1.450	510.000	116.00	6.000
23	13: 0: 0	1.500	513.000	116.00	3.000
24	13: 3: 0	1.550	515.000	116.00	2.000
25	13: 6: 0	1.600	517.000	116.00	2.000
26	13: 9: 0	1.650	519.000	116.00	2.000
27	13:12: 0	1.700	521.000	116.00	2.000
28	13:15: 0	1.750	523.000	116.00	2.000
29	13:18: 0	1.800	525.000	116.00	2.000
30	13:21: 0	1.850	528.000	116.00	3.000
31	13:24: 0	1.900	531.000	116.00	3.000
32	13:27: 0	1.950	534.000	116.00	3.000
33	13:30: 0	2.000	536.000	116.00	2.000

WESTERN TESTING CO. INC.

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Site # 13525
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JK # 13525

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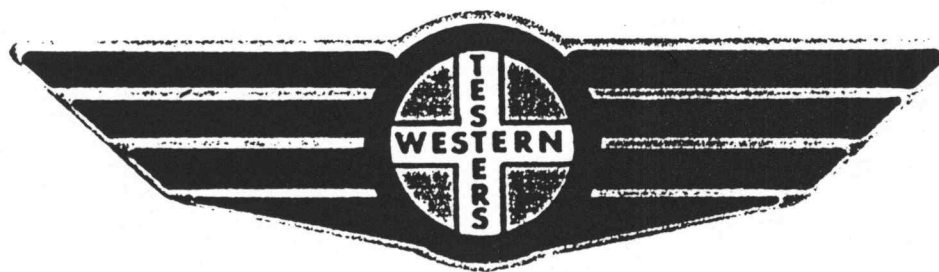
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY BEAR PETROLEUM LEASE & WELL NO. WEST LYONS UNIT #7-3 SEC. 20 TWP. 19S RGE. 8W TEST NO. 2 DATE 6/20/88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	6-20-88	TICKET	:	13525
CUSTOMER	:	BEAR PETROLEUM	LEASE	:	WEST LYONS UNIT
WELL	:	#7-3 TEST: 2	GEOLOGIST	:	A A LOLLAR
ELEVATION	:	1709 Gr.	FORMATION	:	KINDERHOOK
SECTION	:	20	TOWNSHIP	:	19S
RANGE	:	8W	COUNTY	:	RICE
GAUGE SN#	:	4376	STATE	:	KANSAS
			RANGE	:	4000
			CLOCK	:	12

INTERVAL FROM	:	3278	TO	:	3293	TOTAL DEPTH	:	3293
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3278	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	DUKE RIG 1			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	48
WEIGHT	:	9.6	WATER LOSS (CC)	:	13.2
CHLORIDES (PPM)	:	7000			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	410
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	941	FT	I.D. inch	:	2.70
DRILL PIPE LENGTH	:	2315	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	15	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 FH

BLOW COMMENT #1 : 1/8" BLOW THROUGHOUT FLOW PERIOD.
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 20 FT OF: 10% OIL-25% WATER-65% MUD

CHLORIDES: 42000 PPM

Total Barrels Fluid = 0.14
Total Fluid Prod Rate = 3.40 BFPD
Indicated Oil Rate = 0.34 BOPD
Indicated Wtr Rate = 1.10 BWPD

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

SET PACKER(S) : 8:30 PM

TIME STARTED OFF BOTTOM : 10:30 PM

WELL TEMPERATURE : 112

INITIAL HYDROSTATIC PRESSURE

(A) 1730

INITIAL FLOW PERIOD MIN: 60

(B) 38 PSI TO (C) : 40

INITIAL CLOSED IN PERIOD MIN: 60

(D) 543

FINAL FLOW PERIOD MIN: 0

(E) 0 PSI TO (F) : 0

FINAL CLOSED IN PERIOD MIN: 0

(G) 0

FINAL HYDROSTATIC PRESSURE

(H) 1657

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : BEAR PETROLEUM
RIG : RICE-KANSAS
FIELD : WEST LYONS UNIT
WELL : #7-3
DATE : 6-20-88
GAUGE NO : 4376

OPERATIONAL COMMENTS

COMPANY : BEAR PETROLEUM
WELL : #7-3
GAUGE # : 4376
DATE : 20/ 6/88

FIELD : WEST LYONS UNIT
JOB # : 13525
DEPTH : 3293
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	8:30: 0	0.000	38.000	112.00	0.000
2	8:34:59	0.083	38.000	112.00	0.000
3	8:40: 0	0.167	38.000	112.00	0.000
4	8:45: 0	0.250	38.000	112.00	0.000
5	8:49:59	0.333	38.000	112.00	0.000
6	8:55: 0	0.417	38.000	112.00	0.000
7	9: 0: 0	0.500	38.000	112.00	0.000
8	9: 4:59	0.583	38.000	112.00	0.000
9	9:10: 0	0.667	40.000	112.00	2.000
10	9:15: 0	0.750	40.000	112.00	0.000
11	9:19:59	0.833	40.000	112.00	0.000
12	9:25: 0	0.917	40.000	112.00	0.000
13	9:30: 0	1.000	40.000	112.00	0.000
14	9:33: 0	1.050	43.000	112.00	3.000
15	9:36: 0	1.100	47.000	112.00	4.000
16	9:39: 0	1.150	55.000	112.00	8.000
17	9:42: 0	1.200	69.000	112.00	14.000
18	9:45: 0	1.250	87.000	112.00	18.000
19	9:48: 0	1.300	126.000	112.00	39.000
20	9:51: 0	1.350	210.000	112.00	84.000
21	9:54: 0	1.400	315.000	112.00	105.000
22	9:57: 0	1.450	386.000	112.00	71.000
23	10: 0: 0	1.500	427.000	112.00	41.000
24	10: 3: 0	1.550	457.000	112.00	30.000
25	10: 6: 0	1.600	477.000	112.00	20.000
26	10: 9: 0	1.650	495.000	112.00	18.000
27	10:12: 0	1.700	507.000	112.00	12.000
28	10:15: 0	1.750	516.000	112.00	9.000
29	10:18: 0	1.800	525.000	112.00	9.000
30	10:21: 0	1.850	531.000	112.00	6.000
31	10:24: 0	1.900	537.000	112.00	6.000
32	10:27: 0	1.950	541.000	112.00	4.000
33	10:30: 0	2.000	543.000	112.00	2.000

WESTERN TESTING CO. INC.