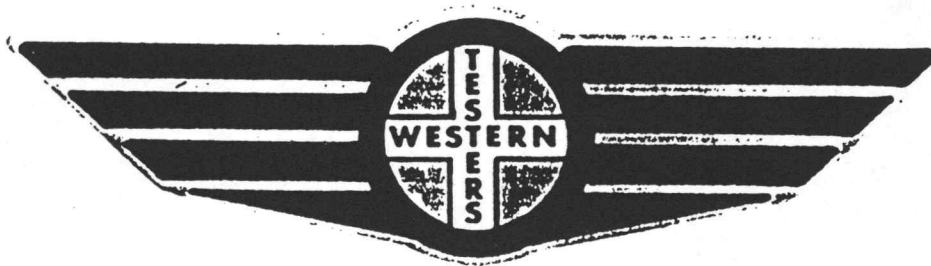


FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	2-24-88	TICKET	:	12472
CUSTOMER	:	E. EQUITIES INC.	LEASE	:	HEARN
WELL	:	#1-D TEST: 1	GEOLOGIST	:	R. ROBBA
ELEVATION	:	NA	FORMATION	:	CONGLOMERATE
SECTION	:	35	TOWNSHIP	:	23S
RANGE	:	15W	STATE	:	KANSAS
GAUGE SN#	:	10270	CLOCK	:	12
		COUNTY :	PAWNEE		
		RANGE :	4150		

INTERVAL FROM	:	3991	TO	:	4024	TOTAL DEPTH	:	4024
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3986	SIZE	:	6.63			
PACKER DEPTH	:	3991	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WHITE & ELLIS	RIG 2		
MUD TYPE	:	STARCH	VISCOSITY	:	46
WEIGHT	:	9.5	WATER LOSS (CC)	:	9.5
CHLORIDES (PPM)	:	NA			
JARS-MAKE	:	-	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	412	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3557	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	33	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 2" BLOW THROUGHOUT.
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW DIED IN 12 MINUTES.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 20 FT OF: MUD

Total Barrels Fluid = 0.09
Total Fluid Prod Rate = 2.26 BFPD
Indicated Wtr Rate = 0.23 BWPD

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

SET PACKER(S) : 8:40 PM

TIME STARTED OFF BOTTOM : 10:40 PM

WELL TEMPERATURE : 113

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 30

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 30

FINAL HYDROSTATIC PRESSURE

(A) 2092

(B) 44 PSI TO (C) : 44

(D) 52

(E) 47 PSI TO (F) : 47

(G) 47

(H) 2049

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : E. EQUITIES INC.
RIG : PAWNEE-KANSAS
FIELD : HEARN
WELL : #1-D
DATE : 2-24-88
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : E. EQUITIES INC.
WELL : #1-D
GAUGE # : 10270
DATE : 24/ 2/88

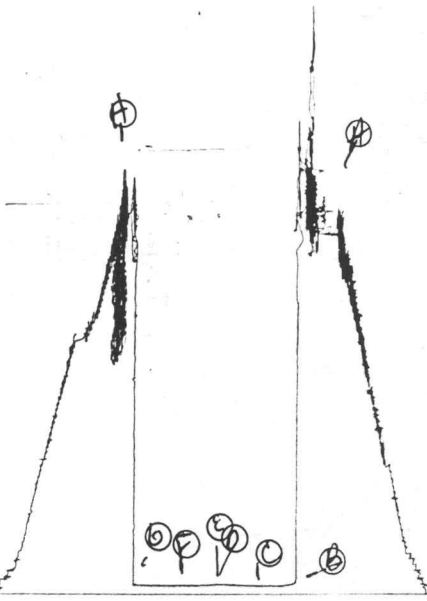
FIELD : HEARN
JOB # : 12472
DEPTH : 4024
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P $P_i - P(i-1)$
1	8:40: 0	0.000	44.000	113.00	0.000
2	8:44:59	0.083	44.000	113.00	0.000
3	8:50: 0	0.167	44.000	113.00	0.000
4	8:55: 0	0.250	44.000	113.00	0.000
5	8:59:59	0.333	44.000	113.00	0.000
6	9: 5: 0	0.417	44.000	113.00	0.000
7	9:10: 0	0.500	44.000	113.00	0.000
8	9:13: 0	0.550	44.000	113.00	0.000
9	9:16: 0	0.600	44.000	113.00	0.000
10	9:19: 0	0.650	46.000	113.00	2.000
11	9:22: 0	0.700	47.000	113.00	1.000
12	9:25: 0	0.750	48.000	113.00	1.000
13	9:28: 0	0.800	49.000	113.00	1.000
14	9:31: 0	0.850	50.000	113.00	1.000
15	9:34: 0	0.900	51.000	113.00	1.000
16	9:37: 0	0.950	52.000	113.00	1.000
17	9:40: 0	1.000	52.000	113.00	0.000
18	9:41: 0	1.017	47.000	113.00	-5.000
19	9:44:59	1.083	47.000	113.00	0.000
20	9:50: 0	1.167	47.000	113.00	0.000
21	9:55: 0	1.250	47.000	113.00	0.000
22	9:59:59	1.333	47.000	113.00	0.000
23	10: 5: 0	1.417	47.000	113.00	0.000
24	10:10: 0	1.500	47.000	113.00	0.000
25	10:13: 0	1.550	47.000	113.00	0.000
26	10:16: 0	1.600	47.000	113.00	0.000
27	10:19: 0	1.650	47.000	113.00	0.000
28	10:22: 0	1.700	47.000	113.00	0.000
29	10:25: 0	1.750	47.000	113.00	0.000
30	10:28: 0	1.800	47.000	113.00	0.000
31	10:31: 0	1.850	47.000	113.00	0.000
32	10:34: 0	1.900	47.000	113.00	0.000
33	10:37: 0	1.950	47.000	113.00	0.000
34	10:40: 0	2.000	47.000	113.00	0.000

WESTERN TESTING CO. INC.

St # 12472

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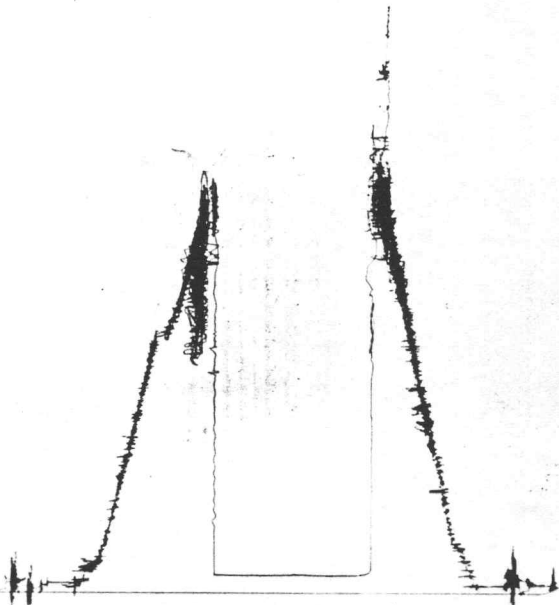
OST #1

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JK # 12472

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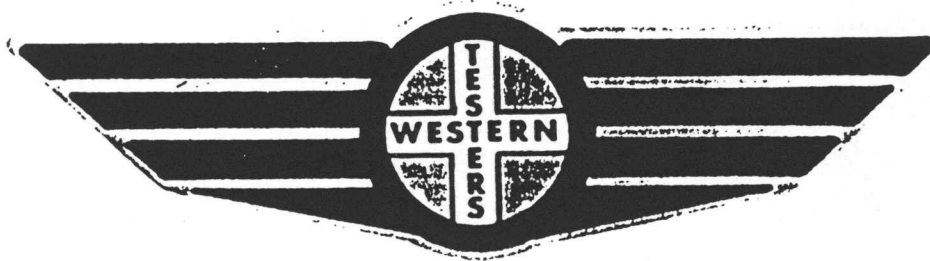
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY E. EQUITIES, INC.

LEASE & WELL NO. HEARN #1-D

SEC. 35 TWP. 23S RGE. 15W TEST NO. 2 DATE 2-25-88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	2-25-88	TICKET	:	12473	
CUSTOMER	:	E. EQUITIES INC.	LEASE	:	HEARN	
WELL	:	#1-D	TEST:	:	2	
ELEVATION	:	NA	GEOLOGIST	:		
SECTION	:	35	FORMATION	:	VIOLA	
RANGE	:	15W	TOWNSHIP	:	23S	
GAUGE SN#	:	10270	STATE	:	KANSAS	
		COUNTY :	PAWNEE			
		RANGE :	4150	CLOCK	:	12

INTERVAL FROM	:	4023	TO	:	4088	TOTAL DEPTH	:	4088
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4018	SIZE	:	6.63			
PACKER DEPTH	:	4023	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WHITE & ELLIS	RIG 2		
MUD TYPE	:	STARCH	VISCOSITY	:	42
WEIGHT	:	9.6	WATER LOSS (CC)	:	NA
CHLORIDES (PPM)	:	NA			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	GAS	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	412	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3589	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	65	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 1/2" BLOW THROUGHOUT.
BLOW COMMENT #2 :
BLOW COMMENT #3 : FINAL FLOW-FAIR BLOW BUILDING TO STRONG IN 10 MINUTES.
BLOW COMMENT #4 : GAS TO SURFACE IN 45 MINUTES. SEE ATTACHED FLOW CHART.

RECOVERED : 750 FT OF: GAS CUT MUD
7% GAS-93% MUD

Total Barrels Fluid = 6.68
Total Fluid Prod Rate = 96.16 BFPD
Indicated Wtr Rate = 8.98 BWPD

REMARK 1 :
REMARK 2 : HIT BRIDGE GOING TO BOTTOM WITH TOOL.
REMARK 3 : PACKERS FAILED WHEN FIRST SET-RESET-THEY HELD SECOND TIME.
REMARK 4 :

SET PACKER(S) :	12:20 PM	TIME STARTED OFF BOTTOM :	3:35 PM
WELL TEMPERATURE :	113		
INITIAL HYDROSTATIC PRESSURE		(A)	2010
INITIAL FLOW PERIOD MIN:	25	(B)	413 PSI TO (C) : 413
INITIAL CLOSED IN PERIOD MIN:	27	(D)	924
FINAL FLOW PERIOD MIN:	75	(E)	358 PSI TO (F) : 358
FINAL CLOSED IN PERIOD MIN:	57	(G)	1016
FINAL HYDROSTATIC PRESSURE		(H)	1977

GAS FLOW REPORT

Date : 2-25-88 Ticket # : 12473
 Customer : E. EQUITIES INC. Lease : HEARN
 Well : #1-D Test : 2 Geologist :
 Elevation (KB) : NA Formation : VIOLA
 Section : 35 Township : 23S
 Range : 15W County : PAWNEE State : KANSAS
 Gauge SN # : 10270 Range : 4150 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
---------------------	-------------	----------------	-------------------	------------------

PRE FLOW
=====

SECOND FLOW
=====

45	MERLA	1/4"	10" OF WTR	5320 CFPD
50		1/4"	14	6330 CFPD
55		1/4"	24	8220 CFPD
60		1/4"	32	9500 CFPD
65		1/4"	34	9790 CFPD
70		1/2"	3	10900 CFPD
75		1/2"	4	12500 CFPD

Gas Bottle SN # : 30 GB
 Date Bottle Filled : 2-25-88
 Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : E. EQUITIES INC.
RIG : PAWNEE-KANSAS
FIELD : HEARN
WELL : #1-D
DATE : 2-25-88
GAUGE NO : 10270

OPERATIONAL COMMENTS

HIT BRIDGE GOING TO BOTTOM WITH TOOL.
PACKERS FAILED WHEN FIRST SET-RESET-THEY HELD SECOND TIME.

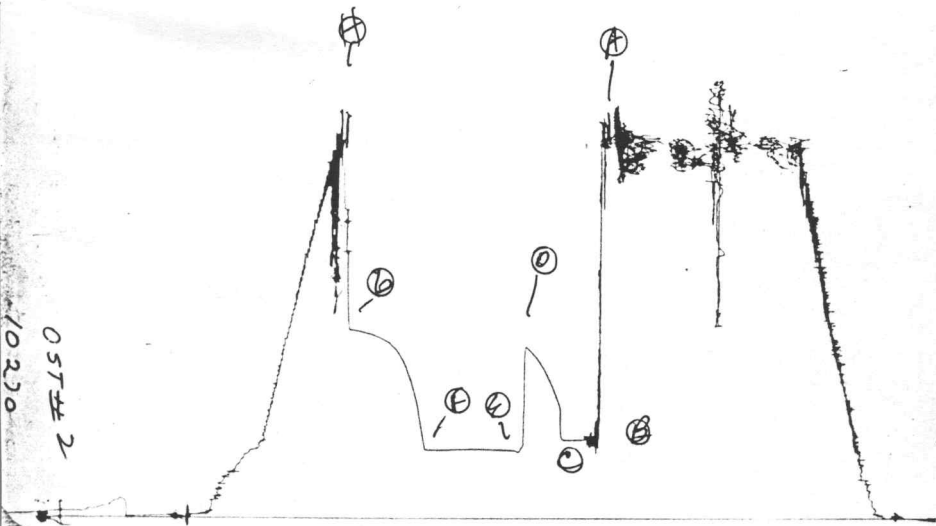
COMPANY : E. EQUITIES INC.
WELL : #1-D
GAUGE # : 10270
DATE : 25/ 2/88

FIELD : HEARN
JOB # : 12473
DEPTH : 4088
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	12:20: 0	0.000	413.000	113.00	0.000
2	12:24:59	0.083	413.000	113.00	0.000
3	12:30: 0	0.167	413.000	113.00	0.000
4	12:35: 0	0.250	413.000	113.00	0.000
5	12:39:59	0.333	413.000	113.00	0.000
6	12:45: 0	0.417	413.000	113.00	0.000
7	12:48: 0	0.467	613.000	113.00	200.000
8	12:51: 0	0.517	669.000	113.00	56.000
9	12:54: 0	0.567	728.000	113.00	59.000
10	12:57: 0	0.617	777.000	113.00	49.000
11	13: 0: 0	0.667	816.000	113.00	39.000
12	13: 3: 0	0.717	851.000	113.00	35.000
13	13: 6: 0	0.767	879.000	113.00	28.000
14	13: 9: 0	0.817	901.000	113.00	22.000
15	13:12: 0	0.867	924.000	113.00	23.000
16	13:13: 0	0.883	358.000	113.00	-566.000
17	13:17: 0	0.950	358.000	113.00	0.000
18	13:22: 0	1.033	358.000	113.00	0.000
19	13:27: 0	1.117	358.000	113.00	0.000
20	13:32: 0	1.200	358.000	113.00	0.000
21	13:37: 0	1.283	358.000	113.00	0.000
22	13:42: 0	1.367	358.000	113.00	0.000
23	13:47: 0	1.450	358.000	113.00	0.000
24	13:52: 0	1.533	358.000	113.00	0.000
25	13:57: 0	1.617	358.000	113.00	0.000
26	14: 2: 0	1.700	358.000	113.00	0.000
27	14: 7: 0	1.783	358.000	113.00	0.000
28	14:12: 0	1.867	358.000	113.00	0.000
29	14:17: 0	1.950	358.000	113.00	0.000
30	14:22: 0	2.033	358.000	113.00	0.000
31	14:27: 0	2.117	358.000	113.00	0.000
32	14:30: 0	2.167	462.000	113.00	104.000
33	14:33: 0	2.217	591.000	113.00	129.000
34	14:36: 0	2.267	691.000	113.00	100.000
35	14:39: 0	2.317	759.000	113.00	68.000
36	14:42: 0	2.367	816.000	113.00	57.000
37	14:45: 0	2.417	863.000	113.00	47.000
38	14:48: 0	2.467	898.000	113.00	35.000
39	14:51: 0	2.517	923.000	113.00	25.000
40	14:54: 0	2.567	946.000	113.00	23.000
41	14:57: 0	2.617	961.000	113.00	15.000
42	15: 0: 0	2.667	971.000	113.00	10.000
43	15: 3: 0	2.717	980.000	113.00	9.000
44	15: 6: 0	2.767	987.000	113.00	7.000
45	15: 9: 0	2.817	996.000	113.00	9.000
46	15:12: 0	2.867	1002.000	113.00	6.000
47	15:15: 0	2.917	1006.000	113.00	4.000
48	15:18: 0	2.967	1010.000	113.00	4.000
49	15:21: 0	3.017	1014.000	113.00	4.000
50	15:24: 0	3.067	1016.000	113.00	2.000

QK # 12473

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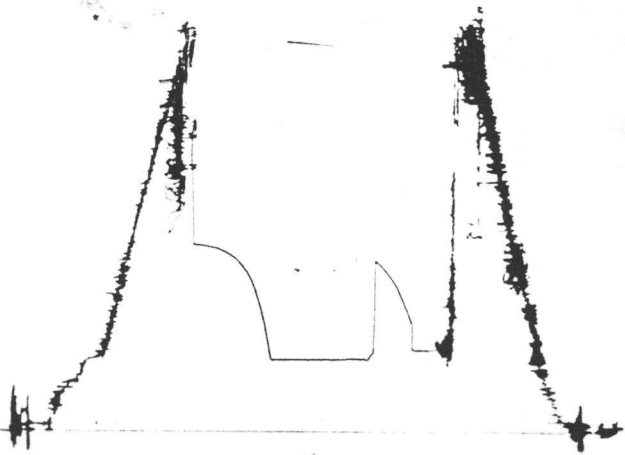


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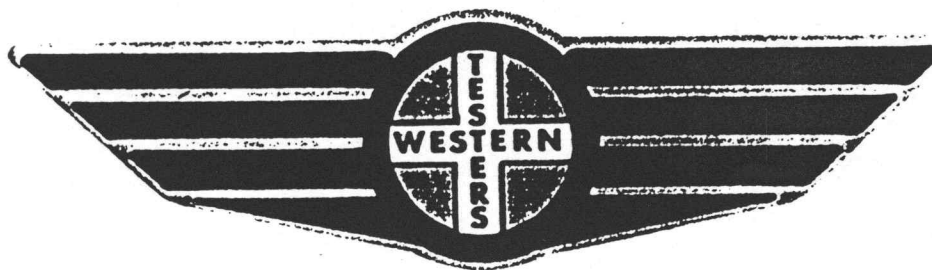
JK # 12473

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY E. EQUITIES, INC.

LEASE & WELL NO. HEARN #1-D

SEC. 35 TWP. 23S RGE. 15W TEST NO. 3 DATE 2-26-88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	2-26-88	TICKET	:	12474
CUSTOMER	:	E. EQUITIES INC.	LEASE	:	HEARN
WELL	:	#1-D TEST: 3	GEOLOGIST	:	R. ROBBA
ELEVATION	:	NA	FORMATION	:	VIOLA
SECTION	:	35	TOWNSHIP	:	23S
RANGE	:	15W	STATE	:	KANSAS
GAUGE SN#	:	10270	CLOCK	:	12
		COUNTY :	PAWNEE		
		RANGE :	4150		

INTERVAL FROM	:	4024	TO	:	4088	TOTAL DEPTH	:	4088
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4019	SIZE	:	6.63			
PACKER DEPTH	:	4024	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WHITE & ELLIS	RIG 2		
MUD TYPE	:	STARCH	VISCOSITY	:	NC
WEIGHT	:	NC	WATER LOSS (CC)	:	NC
CHLORIDES (PPM)	:	NC			
JARS-MAKE	:	-	SERIAL NUMBER	:	-
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	412	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3590	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	64	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	:	
BLOW COMMENT #2	:	
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : -0 FT OF:

Total Barrels Fluid = 0.00

Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 : MISRUN: HIT BRIDGE-COUNDN'T GET TO BOTTOM

REMARK 2 : NO PRESSURES AVAILABLE.

REMARK 3 :

REMARK 4 :

SET PACKER(S) :

TIME STARTED OFF BOTTOM :

WELL TEMPERATURE : 0

INITIAL HYDROSTATIC PRESSURE

(A) 0

INITIAL FLOW PERIOD MIN: 0

(B) 0

PSI TO (C) : 0

INITIAL CLOSED IN PERIOD MIN: 0

(D) 0

FINAL FLOW PERIOD MIN: 0

(E) 0

PSI TO (F) : 0

FINAL CLOSED IN PERIOD MIN: 0

(G) 0

FINAL HYDROSTATIC PRESSURE

(H) 0

JK # 12474

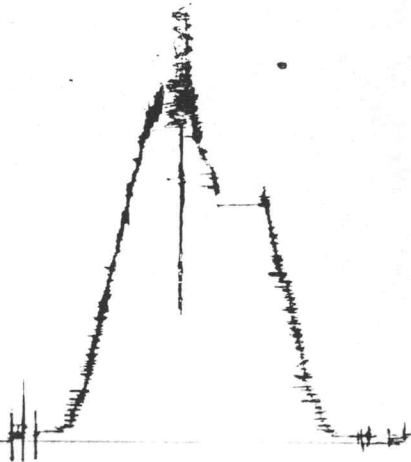
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JK # 12474

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OST #
18268



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	2-26-88	TICKET	:	12475
CUSTOMER	:	E. EQUITIES INC.	LEASE	:	HEARN
WELL	:	#1-D TEST: 4	GEOLOGIST	:	R. ROBBA
ELEVATION	:	NA	FORMATION	:	VIOLA
SECTION	:	35	TOWNSHIP	:	23S
RANGE	:	15W	STATE	:	KANSAS
Gauge SN#	:	10270	CLOCK	:	12
		COUNTY :	PAWNEE		
		RANGE :	4150		

INTERVAL FROM	:	4024	TO	:	4088	TOTAL DEPTH	:	4088
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4019	SIZE	:	6.63			
PACKER DEPTH	:	4024	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WHITE & ELLIS	RIG 2		
MUD TYPE	:	STARCH	VISCOSITY	:	NC
WEIGHT	:	NC	WATER LOSS (CC)	:	NC
CHLORIDES (PPM)	:	NC			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	415
DID WELL FLOW ?	:	-	REVERSED OUT ?	:	-

DRILL COLLAR LENGTH	:	412	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3586	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	26	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	64	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 :
BLOW COMMENT #2 :
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 450 FT OF: MUD

Total Barrels Fluid = 2.47
Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 : MISRUN-PACKER FAILURE.
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) :

WELL TEMPERATURE : 0

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 0

INITIAL CLOSED IN PERIOD MIN: 0

FINAL FLOW PERIOD MIN: 0

FINAL CLOSED IN PERIOD MIN: 0

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM :

(A) 2241

(B) 0 PSI TO (C) : 0

(D) 0

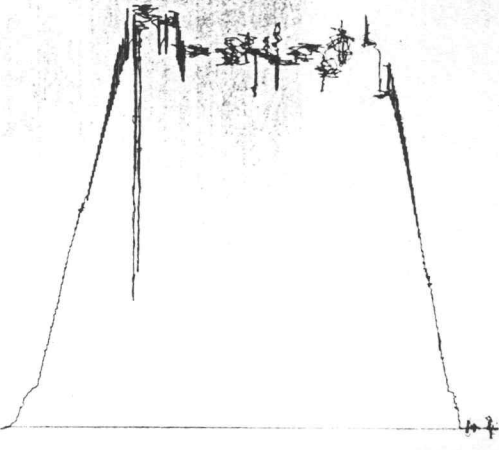
(E) 0 PSI TO (F) : 0

(G) 0

(H) 2241

SK # 12475

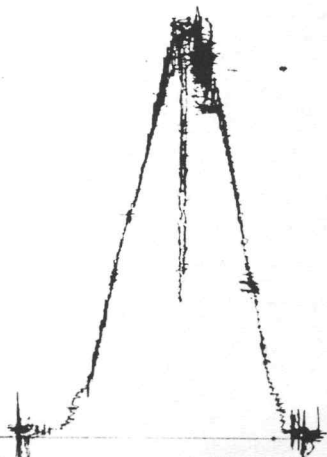
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DST #
10270

IG # 12475

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OST

13268

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY E. EQUITIES, INC.

LEASE & WELL NO.

HEARN #1-D

SEC. 35 TWP. 23S RGE. 15W

TEST NO. 5

DATE 2-27-88

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	2-27-88	TICKET	:	13679
CUSTOMER	:	E. EQUITIES INC.	LEASE	:	HEARN
WELL	:	#1-D TEST: 5	GEOLOGIST	:	R. ROBBA
ELEVATION	:	NA	FORMATION	:	SIMPSON
SECTION	:	35	TOWNSHIP	:	23S
RANGE	:	15W	STATE	:	KANSAS
GAUGE SN#	:	10270	CLOCK	:	12
		COUNTY :	PAWNEE		
		RANGE :	4150		

INTERVAL FROM	:	4092	TO	:	4130	TOTAL DEPTH	:	4130
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4087	SIZE	:	6.63			
PACKER DEPTH	:	4192	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	WHITE & ELLIS	RIG 2		
MUD TYPE	:	STARCH	VISCOSITY	:	NA
WEIGHT	:	NA	WATER LOSS (CC)	:	NA
CHLORIDES (PPM)	:	NA			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	415
DID WELL FLOW ?	:	GAS	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	412	FT	I.D. inch	:	2.20
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3654	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	26	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	38	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 : GAS TO SURFACE IN 2 MINUTES.
BLOW COMMENT #2 : SEE ATTACHED FLOW CHART.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 150 FT OF: MUD
5% WATER-95% MUD / WITH SHOW OF OIL
RECOVERED : 60 FT OF: GAS CUT MUD
15% GAS-25% WATER-60% MUD /SHOW OF OIL
RECOVERED : 60 FT OF: OIL & GAS CUT WATERY MUD
5% OIL-20% GAS-30% WATER-45% MUD

CHLORIDES: 36000 PPM

Total Barrels Fluid = 1.27
Total Fluid Prod Rate = 33.23 BFPD
Indicated Oil Rate = 0.37 BOPD
Indicated Wtr Rate = 7.39 BWPD

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

SET PACKER(S) : 8:35 AM
WELL TEMPERATURE : 113
INITIAL HYDROSTATIC PRESSURE
INITIAL FLOW PERIOD MIN: 25
INITIAL CLOSED IN PERIOD MIN: 45
FINAL FLOW PERIOD MIN: 30
FINAL CLOSED IN PERIOD MIN: 57
FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM : 11:20 AM

(A) 2179
(B) 429 PSI TO (C) : 429
(D) 576
(E) 425 PSI TO (F) : 434
(G) 572
(H) 2169

GAS FLOW REPORT

Date : 2-27-88	Ticket # : 13679
Customer : E. EQUITIES INC.	Lease : HEARN
Well : #1-D Test : 5	Geologist : R. ROBBA
Elevation (KB) : NA Formation : SIMPSON	
Section : 35 Township : 23S	
Range : 15W County : PAWNEE	State : KANSAS
Gauge SN # : 10270 Range : 4150	Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
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PRE FLOW

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2	MERLA	1 1/4"		GAS TO SURFACE
5			9	754000 CFPD
10			20	1233000 CFPD
15			22	1316000 CFPD
20			22	1316000 CFPD
25			22	1316000 CFPD
30			22	1316000 CFPD

SECOND FLOW

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5	MERLA	1 1/4"	22	1316000 CFPD
10			22	1316000 CFPD
15			22	1316000 CFPD
20			22	1316000 CFPD
25			22	1316000 CFPD
30			22	1316000 CPPD

Gas Bottle SN # : 104 GB
 Date Bottle Filled : 2-27-88
 Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : E. EQUITIES INC.
RIG : PAWNEE-KANSAS
FIELD : HEARN
WELL : #1-D
DATE : 2-27-88
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : E. EQUITIES INC.
WELL : #1-D
GAUGE # : 10270
DATE : 27/ 2/88

FIELD : HEARN
JOB # : 13679
DEPTH : 4130
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	8:35: 0	0.000	429.000	113.00	0.000
2	8:39:59	0.083	429.000	113.00	0.000
3	8:45: 0	0.167	429.000	113.00	0.000
4	8:50: 0	0.250	429.000	113.00	0.000
5	8:54:59	0.333	429.000	113.00	0.000
6	9: 0: 0	0.417	429.000	113.00	0.000
7	9: 3: 0	0.467	543.000	113.00	114.000
8	9: 6: 0	0.517	557.000	113.00	14.000
9	9: 9: 0	0.567	563.000	113.00	6.000
10	9:12: 0	0.617	568.000	113.00	5.000
11	9:15: 0	0.667	571.000	113.00	3.000
12	9:18: 0	0.717	574.000	113.00	3.000
13	9:21: 0	0.767	575.000	113.00	1.000
14	9:24: 0	0.817	575.000	113.00	0.000
15	9:27: 0	0.867	576.000	113.00	1.000
16	9:30: 0	0.917	576.000	113.00	0.000
17	9:33: 0	0.967	576.000	113.00	0.000
18	9:36: 0	1.017	576.000	113.00	0.000
19	9:39: 0	1.067	576.000	113.00	0.000
20	9:42: 0	1.117	576.000	113.00	0.000
21	9:45: 0	1.167	576.000	113.00	0.000
22	9:46: 0	1.183	425.000	113.00	-151.000
23	9:50: 0	1.250	425.000	113.00	0.000
24	9:55: 0	1.333	426.000	113.00	1.000
25	10: 0: 0	1.417	431.000	113.00	5.000
26	10: 5: 0	1.500	434.000	113.00	3.000
27	10:10: 0	1.583	434.000	113.00	0.000
28	10:15: 0	1.667	434.000	113.00	0.000
29	10:18: 0	1.717	541.000	113.00	107.000
30	10:21: 0	1.767	554.000	113.00	13.000
31	10:24: 0	1.817	559.000	113.00	5.000
32	10:27: 0	1.867	563.000	113.00	4.000
33	10:30: 0	1.917	565.000	113.00	2.000
34	10:33: 0	1.967	566.000	113.00	1.000
35	10:36: 0	2.017	567.000	113.00	1.000
36	10:39: 0	2.067	568.000	113.00	1.000
37	10:42: 0	2.117	569.000	113.00	1.000
38	10:45: 0	2.167	570.000	113.00	1.000
39	10:48: 0	2.217	571.000	113.00	1.000
40	10:51: 0	2.267	572.000	113.00	1.000
41	10:54: 0	2.317	572.000	113.00	0.000
42	10:57: 0	2.367	572.000	113.00	0.000
43	11: 0: 0	2.417	572.000	113.00	0.000
44	11: 3: 0	2.467	572.000	113.00	0.000
45	11: 6: 0	2.517	572.000	113.00	0.000
46	11: 9: 0	2.567	572.000	113.00	0.000
47	11:12: 0	2.617	572.000	113.00	0.000

WESTERN TESTING CO. INC.

NK # 13679

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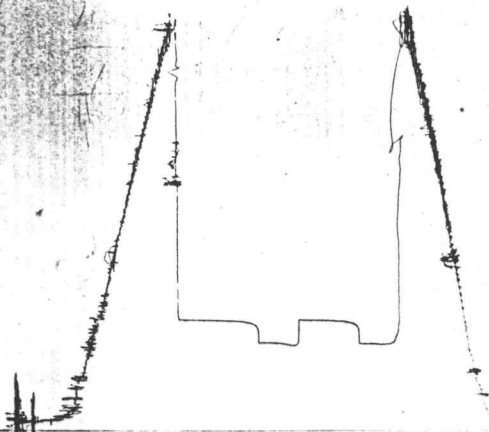


OSTA
10270



NY # 13679

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057#
13268