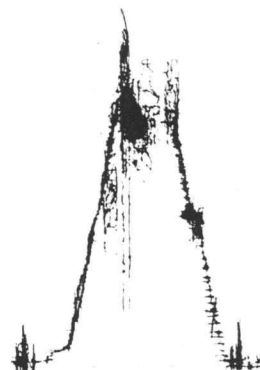


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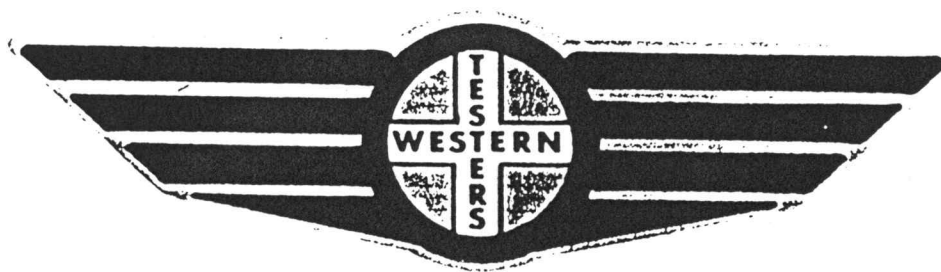


JK #12121
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OST#1
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY GLM CORPORATION LEASE & WELL NO. HAISE-RANCH #1 SEC. 31 TWP. 12S RGE. 14W TEST NO. 1 DATE 8-22-87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-22-87	TICKET	:	12121
CUSTOMER	:	G.L.M. CORPORATION	LEASE	:	HAISE-RANCH
WELL	:	#1	TEST:	:	1
ELEVATION	:	1800	GEOLOGIST	:	W. HOLLAND
SECTION	:	31	FORMATION	:	K.C.
RANGE	:	14W	COUNTY	:	RUSSELL
Gauge SN#	:	10270	RANGE	:	4150
			STATE	:	KS
			CLOCK	:	12

INTERVAL FROM	:	2987	TO	:	3035	TOTAL DEPTH	:	3035
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	2982	SIZE	:	6.63			
PACKER DEPTH	:	2987	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	REVLIN #1			
MUD TYPE	:	STARCH	VISCOSITY	:	42
WEIGHT	:	9.9	WATER LOSS (CC)	:	12.8
CHLORIDES (PPM)	:	78000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	2967	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	48	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	:	MISRUN
BLOW COMMENT #2	:	
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 300 FT OF: MUD

Total Barrels Fluid = 4.21
Total Fluid Prod Rate = 0.00 BFPD

REMARK 1 : MISRUN - NO PRESSURES AVAILABLE
REMARK 2 : HIT BIRDGE OPENED TOOL THREE TIMES.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	9:00 AM	TIME STARTED OFF BOTTOM :	
WELL TEMPERATURE :	0		
INITIAL HYDROSTATIC PRESSURE		(A)	0
INITIAL FLOW PERIOD MIN:	0	(B)	0
INITIAL CLOSED IN PERIOD MIN:	0	(D)	0
FINAL FLOW PERIOD MIN:	0	(E)	0
FINAL CLOSED IN PERIOD MIN:	0	(G)	0
FINAL HYDROSTATIC PRESSURE		(H)	0

PSI TO (C) : 0
PSI TO (F) : 0

Kit # 12122
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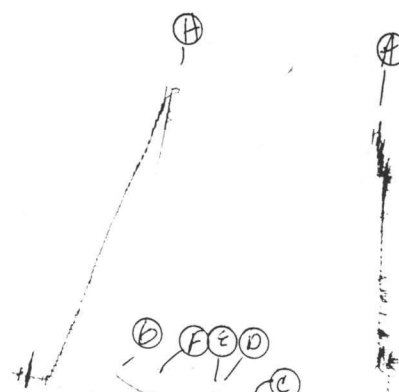
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JK # 12122
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY G.L.M. Corporation LEASE & WELL NO. #1 Halse Ranch SEC. 31 TWP. 12S RGE. 14W TEST NO. 2 DATE 8-22-87

RECOVERED : 30 FT OF: OIL & GAS C/WTRY MUD
RECOVERED : 0 FT OF: 6%OIL 10%GAS 29%WTR 55%MUD

Total Barrels Fluid = 0.42
Total Fluid Prod Rate = 6.73 BFPD
Indicated Oil Rate = 0.40 BOPD
Indicated Wtr Rate = 1.95 BWPD
Corrected Oil Rate = 7.19 BOPD
Corrected Wtr Rate = 34.73 BWPD

REMARK 1 :
REMARK 2 : RECOVERED 90 FT. OF GAS IN PIPE
REMARK 3 : CHLORIDES 70000 PPM
REMARK 4 :

SET PACKER(S) : 6:25PM TIME STARTED OFF BOTTOM : 8:55PM
WELL TEMPERATURE : 95
INITIAL HYDROSTATIC PRESSURE (A) 1663
INITIAL FLOW PERIOD MIN: 45 (B) 38 PSI TO (C) : 38
INITIAL CLOSED IN PERIOD MIN: 30 (D) 110
FINAL FLOW PERIOD MIN: 45 (E) 40 PSI TO (F) : 40
FINAL CLOSED IN PERIOD MIN: 30 (G) 104
FINAL HYDROSTATIC PRESSURE (H) 1636

COMPANY : CEM CORPORATION
WELL : #1
GAUGE # : 10270
DATE : 22/ 8/87

FIELD : HAISE-RANCH
JOB # : 12122
DEPTH : 3035
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:25: 0	0.000	38.000	95.00	0.000
2	6:29:59	0.083	38.000	95.00	0.000
3	6:35: 0	0.167	38.000	95.00	0.000
4	6:40: 0	0.250	38.000	95.00	0.000
5	6:44:59	0.333	38.000	95.00	0.000
6	6:50: 0	0.417	38.000	95.00	0.000
7	6:55: 0	0.500	38.000	95.00	0.000
8	6:59:59	0.583	38.000	95.00	0.000
9	7: 5: 0	0.667	38.000	95.00	0.000
10	7:10: 0	0.750	38.000	95.00	0.000
11	7:13: 0	0.800	38.000	95.00	0.000
12	7:16: 0	0.850	40.000	95.00	2.000
13	7:19: 0	0.900	44.000	95.00	4.000
14	7:22: 0	0.950	52.000	95.00	8.000
15	7:25: 0	1.000	60.000	95.00	8.000
16	7:28: 0	1.050	69.000	95.00	9.000
17	7:31: 0	1.100	79.000	95.00	10.000
18	7:34: 0	1.150	90.000	95.00	11.000
19	7:37: 0	1.200	100.000	95.00	10.000
20	7:40: 0	1.250	110.000	95.00	10.000
21	7:41: 0	1.267	40.000	95.00	-70.000
22	7:44:59	1.333	40.000	95.00	0.000
23	7:50: 0	1.417	40.000	95.00	0.000
24	7:55: 0	1.500	40.000	95.00	0.000
25	7:59:59	1.583	40.000	95.00	0.000
26	8: 5: 0	1.667	40.000	95.00	0.000
27	8:10: 0	1.750	40.000	95.00	0.000
28	8:14:59	1.833	40.000	95.00	0.000
29	8:20: 0	1.917	40.000	95.00	0.000
30	8:25: 0	2.000	40.000	95.00	0.000
31	8:28: 0	2.050	40.000	95.00	0.000
32	8:31: 0	2.100	41.000	95.00	1.000
33	8:34: 0	2.150	45.000	95.00	4.000
34	8:37: 0	2.200	51.000	95.00	6.000
35	8:40: 0	2.250	59.000	95.00	8.000
36	8:43: 0	2.300	68.000	95.00	9.000
37	8:46: 0	2.350	77.000	95.00	9.000
38	8:49: 0	2.400	86.000	95.00	9.000
39	8:52: 0	2.450	95.000	95.00	9.000
40	8:55: 0	2.500	104.000	95.00	9.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLM CORPORATION
RIG : RUSSELL-KS
FIELD : HAISE-RANCH
WELL : #1
DATE : 8-22-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

RECOVERED 90 FT. OF GAS IN PIPE
CHLORIDES 70000 PPM

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	: 8-22-87	TICKET	: 12122
CUSTOMER	: GLM CORPORATION	LEASE	: HAISE-RANCH
WELL	: #1 TEST: 2	GEOLOGIST	: W. HOLLAND
ELEVATION	: 1800	FORMATION	: K.C.
SECTION	: 31	TOWNSHIP	: 12S
RANGE	: 14W	COUNTY	: RUSSELL
GAUGE SN#	: 10270	STATE	: KS
		RANGE	: 4150
		CLOCK	: 12

INTERVAL FROM	: 2987	TO	: 3035	TOTAL DEPTH	: 3035
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 2982	SIZE	: 6.63		
PACKER DEPTH	: 2987	SIZE	: 6.63		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: REVLIN #1		
MUD TYPE	: STARCH	VISCOSITY	: 48
WEIGHT	: 10	WATER LOSS (CC)	: 8.
CHLORIDES (PPM)	: 74000		
JARS-MAKE	:	SERIAL NUMBER	:
DID WELL FLOW ?	:	REVERSED OUT ?	:

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 2967	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 48	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	: WEAK BLDG. TO A GOOD BLOW 1/4" TO 7"
BLOW COMMENT #2	: ON INITIAL FLOW PERIOD.
BLOW COMMENT #3	: WEAK BLDG. TO A FAIR BLOW 1" TO 4"
BLOW COMMENT #4	: ON FINAL FLOW PERIOD.

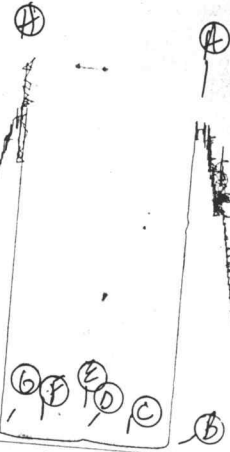
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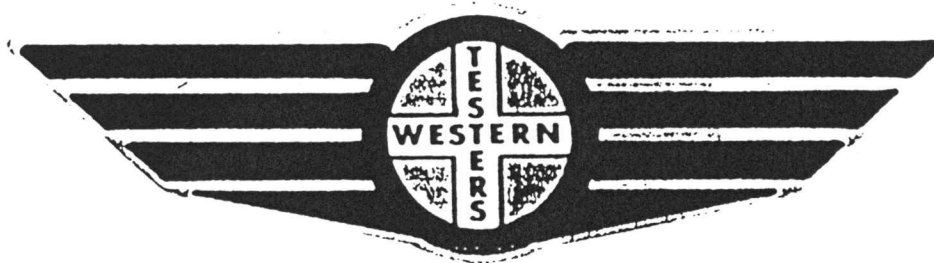
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY G.L.M. Corporation

LEASE & WELL NO. #1 Haise Ranch

SEC. 31 TWP. 12 SRGE. 14 TEST NO. 3 DATE 8-24-87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	8-24-87	TICKET	:	12123
CUSTOMER	:	GLM CORPORATION	LEASE	:	HAISE-RANCH
WELL	:	#1	TEST:	:	3
ELEVATION	:	1800	GEOLOGIST	:	D. SHUWMAKER
SECTION	:	31	FORMATION	:	ARBUCKLE
RANGE	:	14W	COUNTY	:	RUSSELL
GAUGE SN#	:	10270	RANGE	:	4150
			STATE	:	KS
			CLOCK	:	12

INTERVAL FROM	:	3227	TO	:	3264	TOTAL DEPTH	:	3264
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3222	SIZE	:	6.63			
PACKER DEPTH	:	3227	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	REVLIN #1			
MUD TYPE	:	STARCH	VISCOSITY	:	47
WEIGHT	:	10	WATER LOSS (CC)	:	8
CHLORIDES (PPM)	:	68000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3207	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	37	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 : VERY WEAK BLOW DIED IN 25 MIN.
BLOW COMMENT #2 : ON INITIAL FLOW PERIOD.
BLOW COMMENT #3 : NO BLOW ON FINAL FLOW PERIOD.
BLOW COMMENT #4 :

WELL : #1
GAUGE # : 10270
DATE : 24/ 8/87

JOB # : 12123
DEPTH : 3264
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	4:10: 0	0.000	31.000	97.00	0.000
2	4:14:59	0.083	31.000	97.00	0.000
3	4:20: 0	0.167	31.000	97.00	0.000
4	4:25: 0	0.250	31.000	97.00	0.000
5	4:29:59	0.333	31.000	97.00	0.000
6	4:35: 0	0.417	31.000	97.00	0.000
7	4:40: 0	0.500	31.000	97.00	0.000
8	4:43: 0	0.550	31.000	97.00	0.000
9	4:46: 0	0.600	31.000	97.00	0.000
10	4:49: 0	0.650	32.000	97.00	1.000
11	4:52: 0	0.700	33.000	97.00	1.000
12	4:55: 0	0.750	34.000	97.00	1.000
13	4:58: 0	0.800	35.000	97.00	1.000
14	5: 1: 0	0.850	36.000	97.00	1.000
15	5: 4: 0	0.900	38.000	97.00	2.000
16	5: 7: 0	0.950	41.000	97.00	3.000
17	5:10: 0	1.000	44.000	97.00	3.000
18	5:13: 0	1.050	48.000	97.00	4.000
19	5:14: 0	1.067	32.000	97.00	-16.000
20	5:17:59	1.133	32.000	97.00	0.000
21	5:23: 0	1.217	32.000	97.00	0.000
22	5:28: 0	1.300	32.000	97.00	0.000
23	5:32:59	1.383	32.000	97.00	0.000
24	5:38: 0	1.467	32.000	97.00	0.000
25	5:43: 0	1.550	32.000	97.00	0.000
26	5:45:59	1.600	32.000	97.00	0.000
27	5:49: 0	1.650	32.000	97.00	0.000
28	5:51:59	1.700	32.000	97.00	0.000
29	5:55: 0	1.750	32.000	97.00	0.000
30	5:58: 0	1.800	32.000	97.00	0.000
31	6: 0:59	1.850	33.000	97.00	1.000
32	6: 4: 0	1.900	35.000	97.00	2.000
33	6: 6:59	1.950	38.000	97.00	3.000
34	6:10: 0	2.000	41.000	97.00	3.000
35	6:13: 0	2.050	45.000	97.00	4.000

WESTERN TESTING CO. INC.

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLM CORPORATION
RIG : RUSSELL-KS
FIELD : HAISE-RANCH
WELL : #1
DATE : 8-24-87
GAUGE NO : 10270

OPERATIONAL COMMENTS

RECOVERED : 10 FT OF: MUD W/SCUM OF OIL ON TOP OF GRINDOUT

Total Barrels Fluid = 0.14
Total Fluid Prod Rate = 3.37 BFPD
Indicated Wtr Rate = 0.34 BWPD

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

SET PACKER(S) : 4:10 AM

TIME STARTED OFF BOTTOM : 6:10 AM

WELL TEMPERATURE : 97

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 33

FINAL FLOW PERIOD MIN: 30

FINAL CLOSED IN PERIOD MIN: 30

FINAL HYDROSTATIC PRESSURE

(A) 1775

(B) 31 PSI TO (C) : 31

(D) 48

(E) 32 PSI TO (F) : 32

(G) 45

(H) 1775