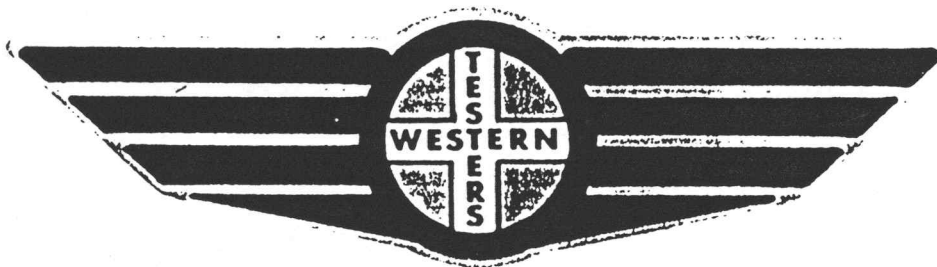


# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY ENERGY EXPLORATION, INC. LEASE & WELL NO. GILL-1 SEC. 35 TWP. 16S RGE. 29W TEST NO. 1 DATE 7/5/87

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 7-5-87 TICKET : 10275  
CUSTOMER : ENERGY EXPLORATION INC. LEASE : GILL-1  
WELL : TEST: 1 GEOLOGIST : K. ROBERTS  
ELEVATION : 2798 KB FORMATION : L- KC-'K'  
SECTION : 35 TOWNSHIP : 16S  
RANGE : 29W COUNTY : LANE STATE : KANSAS  
GAUGE SN# : 6233 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4216 TO : 4242 TOTAL DEPTH : 4242  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4211 SIZE : 6.75  
PACKER DEPTH : 4216 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : ABERCROMBIE RIG #8  
MUD TYPE : CHEMICAL VISCOSITY : 47  
WEIGHT : 9.3 WATER LOSS (CC) : 9.6  
CHLORIDES (PPM) : 4000  
JARS-MAKE : NO SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 510 FT I.D. inch : 3.20  
DRILL PIPE LENGTH : 3686 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 26 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-BOTTOM OF BUCKET IN  
20 MINUTES.  
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW-8" IN WATER.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED . : 660 FT OF: MUDDY WATER  
95% WATER-5% MUD-OIL LESS THAN 1%

CHLORIDES: 45000 PPM

Total Barrels Fluid = 7.18  
Total Fluid Prod Rate = 114.83 BFPD  
Indicated Wtr Rate = 109.61 BWPD

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

SET PACKER(S) :	11:05 AM	TIME STARTED OFF BOTTOM :	2:35 PM
WELL TEMPERATURE :	122		
INITIAL HYDROSTATIC PRESSURE		(A)	2154
INITIAL FLOW PERIOD MIN:	30	(B)	55 PSI TO (C) : 180
INITIAL CLOSED IN PERIOD MIN:	60	(D)	528
FINAL FLOW PERIOD MIN:	60	(E)	223 PSI TO (F) : 333
FINAL CLOSED IN PERIOD MIN:	60	(G)	515
FINAL HYDROSTATIC PRESSURE		(H)	2122

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
-----

COMPANY : ENERGY EXPLORATION INC.  
RIG : LANE-KANSAS  
FIELD : GILL-1  
WELL :  
DATE : 7-5-87  
GAUGE NO : 6233

OPERATIONAL COMMENTS

COMPANY : ENERGY EXPLORATION INC.  
 WELL :  
 GAUGE # : 6233  
 DATE : 5/ 7/87

FIELD : GILL-1  
 JOB # : 10275  
 DEPTH : 4242 ..  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
1	11: 5: 0	0.000	55.000	122.00	0.000
2	11: 9:59	0.083	58.000	122.00	3.000
3	11:15: 0	0.167	77.000	122.00	19.000
4	11:20: 0	0.250	110.000	122.00	33.000
5	11:24:59	0.333	136.000	122.00	26.000
6	11:30: 0	0.417	161.000	122.00	25.000
7	11:35: 0	0.500	180.000	122.00	19.000
8	11:38: 0	0.550	451.000	122.00	271.000
9	11:41: 0	0.600	479.000	122.00	28.000
10	11:44: 0	0.650	490.000	122.00	11.000
11	11:47: 0	0.700	499.000	122.00	9.000
12	11:50: 0	0.750	504.000	122.00	5.000
13	11:53: 0	0.800	507.000	122.00	3.000
14	11:56: 0	0.850	511.000	122.00	4.000
15	11:59: 0	0.900	514.000	122.00	3.000
16	12: 2: 0	0.950	516.000	122.00	2.000
17	12: 5: 0	1.000	518.000	122.00	2.000
18	12: 8: 0	1.050	519.000	122.00	1.000
19	12:11: 0	1.100	520.000	122.00	1.000
20	12:14: 0	1.150	521.000	122.00	1.000
21	12:17: 0	1.200	522.000	122.00	1.000
22	12:20: 0	1.250	523.000	122.00	1.000
23	12:23: 0	1.300	524.000	122.00	1.000
24	12:26: 0	1.350	525.000	122.00	1.000
25	12:29: 0	1.400	526.000	122.00	1.000
26	12:32: 0	1.450	527.000	122.00	1.000
27	12:35: 0	1.500	528.000	122.00	1.000
28	12:36: 0	1.517	223.000	122.00	-305.000
29	12:39:59	1.583	223.000	122.00	0.000
30	12:45: 0	1.667	236.000	122.00	13.000
31	12:50: 0	1.750	252.000	122.00	16.000
32	12:54:59	1.833	266.000	122.00	14.000
33	13: 0: 0	1.917	276.000	122.00	10.000
34	13: 5: 0	2.000	285.000	122.00	9.000
35	13: 9:59	2.083	293.000	122.00	8.000
36	13:15: 0	2.167	303.000	122.00	10.000
37	13:20: 0	2.250	310.000	122.00	7.000
38	13:24:59	2.333	317.000	122.00	7.000
39	13:30: 0	2.417	326.000	122.00	9.000
40	13:35: 0	2.500	333.000	122.00	7.000
41	13:38: 0	2.550	477.000	122.00	144.000
42	13:41: 0	2.600	487.000	122.00	10.000
43	13:44: 0	2.650	495.000	122.00	8.000
44	13:47: 0	2.700	498.000	122.00	3.000
45	13:50: 0	2.750	499.000	122.00	1.000
46	13:53: 0	2.800	500.000	122.00	1.000
47	13:56: 0	2.850	502.000	122.00	2.000
48	13:59: 0	2.900	504.000	122.00	2.000
49	14: 2: 0	2.950	506.000	122.00	2.000
50	14: 5: 0	3.000	508.000	122.00	2.000
51	14: 8: 0	3.050	510.000	122.00	2.000
52	14:11: 0	3.100	511.000	122.00	1.000

COMPANY : ENERGY EXPLORATION INC.

FIELD : GILL-1

WELL :

JOB # : 10275

GAUGE # : 6233

DEPTH : 4242

DATE : 5/ 7/87

TEST :

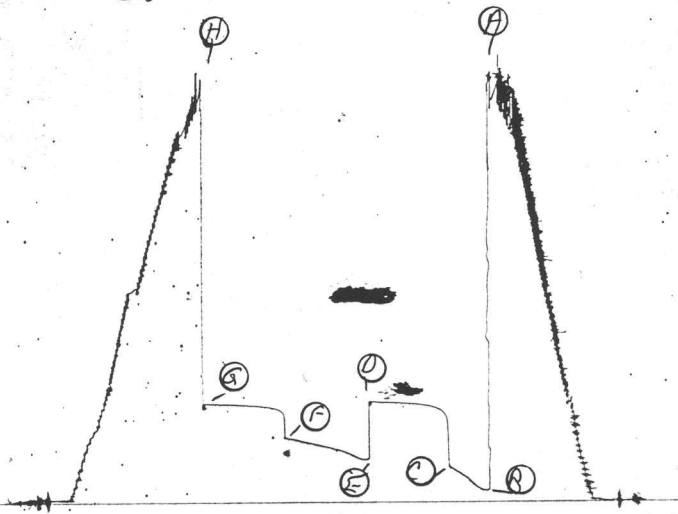
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
53	14:14: 0	3.150	512.000	122.00	1.000
54	14:17: 0	3.200	513.000	122.00	1.000
55	14:20: 0	3.250	514.000	122.00	1.000
56	14:23: 0	3.300	515.000	122.00	1.000
57	14:26: 0	3.350	515.000	122.00	0.000
58	14:29: 0	3.400	515.000	122.00	0.000
59	14:32: 0	3.450	515.000	122.00	0.000
60	14:35: 0	3.500	515.000	122.00	0.000

WESTERN TESTING CO. INC.

6233

TK4 10225

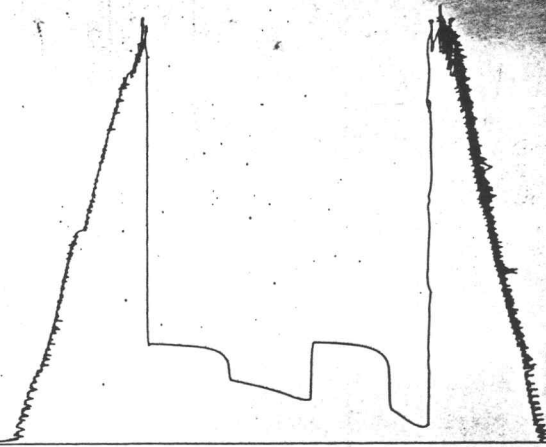
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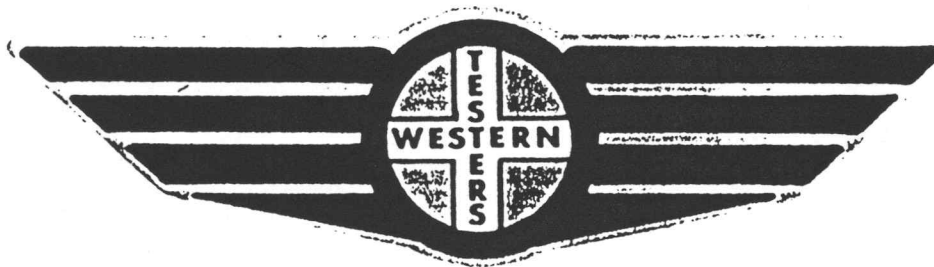
13400

K4 10275

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 7-6-87  
CUSTOMER : ENERGY EXPLORATION INC.  
WELL : TEST: 2  
ELEVATION : 2978 KB  
SECTION : 35  
RANGE : 29W COUNTY : LANE  
GAUGE SN# : 6233 RANGE : 4000  
TICKET : 8554  
LEASE : GILL-1  
GEOLOGIST : K. ROBERTS  
FORMATION : L-KC-'L'  
TOWNSHIP : 16S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 4252 TO : 4267 TOTAL DEPTH : 4267  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4247 SIZE : 6.75  
PACKER DEPTH : 4252 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : ABERCROMBIE RIG #8  
MUD TYPE : CHEMICAL VISCOSITY : 47  
WEIGHT : 9.3 WATER LOSS (CC) : 9.6  
CHLORIDES (PPM) : 4000  
JARS-MAKE : NO SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 510 FT I.D. inch : 3.20  
DRILL PIPE LENGTH : 3722 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 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 XH

BLOW COMMENT #1 : INITIAL FLOW-WEAK STEADY BLOW-1" IN WATER.  
BLOW COMMENT #2 : FINAL FLOW-WEAK STEADY BLOW-1/2" IN WATER.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 90 FT OF: MUDDY WATER  
90% WATER-10% MUD

CHLORIDES: 35000 PPM

Total Barrels Fluid = 0.90  
Total Fluid Prod Rate = 14.32 BFPD  
Indicated Wtr Rate = 13.05 BWPD

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

SET PACKER(S) : 2:10 AM

TIME STARTED OFF BOTTOM : 5:40 AM

WELL TEMPERATURE : 122

INITIAL HYDROSTATIC PRESSURE

(A) 2220

INITIAL FLOW PERIOD MIN: 30

(B) 30 PSI TO (C) : 30

INITIAL CLOSED IN PERIOD MIN: 60

(D) 261

FINAL FLOW PERIOD MIN: 60

(E) 51 PSI TO (F) : 63

FINAL CLOSED IN PERIOD MIN: 63

(G) 259

FINAL HYDROSTATIC PRESSURE

(H) 2194

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report

COMPANY : ENERGY EXPLORATION INC.  
RIG : LANE-KANSAS  
FIELD : GILL-1  
WELL :  
DATE : 7-6-87  
GAUGE NO : 6233

OPERATIONAL COMMENTS

CHLORIDES: 35000 PPM

COMPANY : ENERGY EXPLORATION INC.  
 WELL :  
 GAUGE # : 6233  
 DATE : 6/7/87

FIELD : GILL-1  
 JOB # : 8554  
 DEPTH : 4267  
 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	2:10:0	0.000	30.000	122.00	0.000
2	2:14:59	0.083	30.000	122.00	0.000
3	2:20:0	0.167	30.000	122.00	0.000
4	2:25:0	0.250	30.000	122.00	0.000
5	2:29:59	0.333	30.000	122.00	0.000
6	2:35:0	0.417	30.000	122.00	0.000
7	2:40:0	0.500	30.000	122.00	0.000
8	2:43:0	0.550	241.000	122.00	211.000
9	2:46:0	0.600	252.000	122.00	11.000
10	2:49:0	0.650	254.000	122.00	2.000
11	2:52:0	0.700	256.000	122.00	2.000
12	2:55:0	0.750	258.000	122.00	2.000
13	2:58:0	0.800	259.000	122.00	1.000
14	3:1:0	0.850	260.000	122.00	1.000
15	3:4:0	0.900	261.000	122.00	1.000
16	3:7:0	0.950	261.000	122.00	0.000
17	3:10:0	1.000	261.000	122.00	0.000
18	3:13:0	1.050	261.000	122.00	0.000
19	3:16:0	1.100	261.000	122.00	0.000
20	3:19:0	1.150	261.000	122.00	0.000
21	3:22:0	1.200	261.000	122.00	0.000
22	3:25:0	1.250	261.000	122.00	0.000
23	3:28:0	1.300	261.000	122.00	0.000
24	3:31:0	1.350	261.000	122.00	0.000
25	3:34:0	1.400	261.000	122.00	0.000
26	3:37:0	1.450	261.000	122.00	0.000
27	3:40:0	1.500	261.000	122.00	0.000
28	3:41:0	1.517	51.000	122.00	-210.000
29	3:44:59	1.583	51.000	122.00	0.000
30	3:50:0	1.667	51.000	122.00	0.000
31	3:55:0	1.750	51.000	122.00	0.000
32	3:59:59	1.833	51.000	122.00	0.000
33	4:5:0	1.917	52.000	122.00	1.000
34	4:10:0	2.000	54.000	122.00	2.000
35	4:14:59	2.083	55.000	122.00	1.000
36	4:20:0	2.167	56.000	122.00	1.000
37	4:25:0	2.250	57.000	122.00	1.000
38	4:29:59	2.333	59.000	122.00	2.000
39	4:35:0	2.417	61.000	122.00	2.000
40	4:40:0	2.500	63.000	122.00	2.000
41	4:43:0	2.550	239.000	122.00	176.000
42	4:46:0	2.600	253.000	122.00	14.000
43	4:49:0	2.650	255.000	122.00	2.000
44	4:52:0	2.700	256.000	122.00	1.000
45	4:55:0	2.750	257.000	122.00	1.000
46	4:58:0	2.800	258.000	122.00	1.000
47	5:1:0	2.850	258.000	122.00	0.000
48	5:4:0	2.900	258.000	122.00	0.000
49	5:7:0	2.950	258.000	122.00	0.000
50	5:10:0	3.000	258.000	122.00	0.000
51	5:13:0	3.050	259.000	122.00	1.000
52	5:16:0	3.100	259.000	122.00	0.000

COMPANY : ENERGY EXPLORATION INC.  
WELL :  
GAUGE # : 6233  
DATE : 6/7/87

FIELD : GILL-1  
JOB # : 8554  
DEPTH : 4267  
TEST :

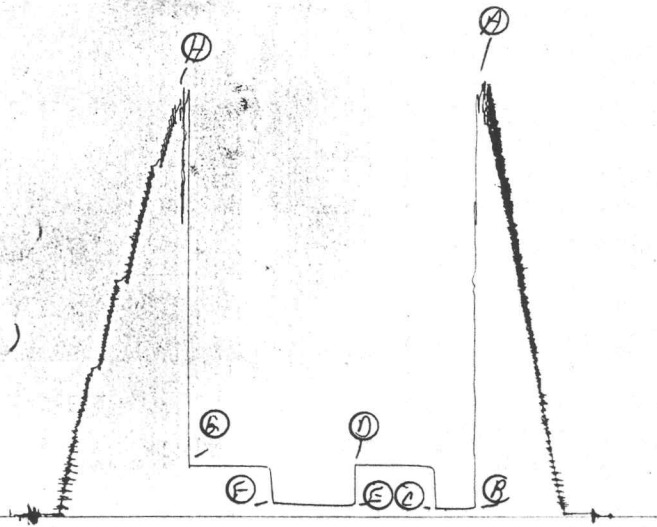
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	5:19: 0	3.150	259.000	122.00	0.000
54	5:22: 0	3.200	259.000	122.00	0.000
55	5:25: 0	3.250	259.000	122.00	0.000
56	5:28: 0	3.300	259.000	122.00	0.000
57	5:31: 0	3.350	259.000	122.00	0.000
58	5:34: 0	3.400	259.000	122.00	0.000
59	5:37: 0	3.450	259.000	122.00	0.000
60	5:40: 0	3.500	259.000	122.00	0.000
61	5:43: 0	3.550	259.000	122.00	0.000

WESTERN TESTING CO. INC.

633

PK 8554

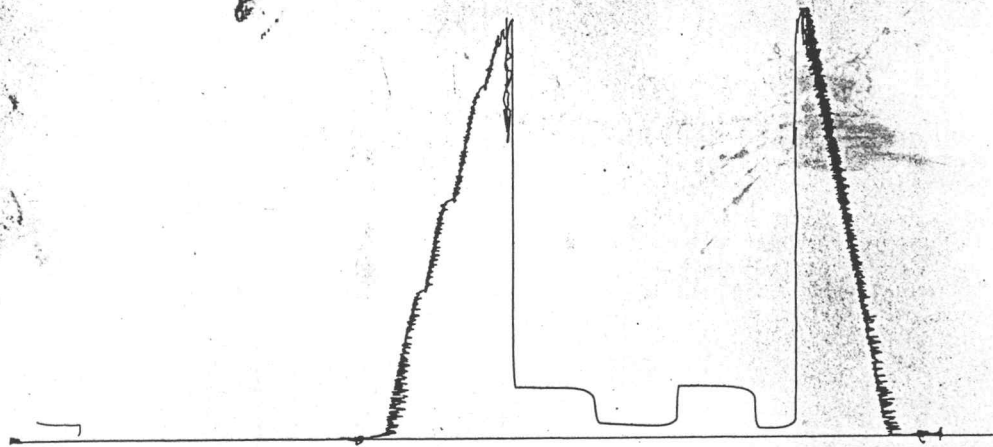
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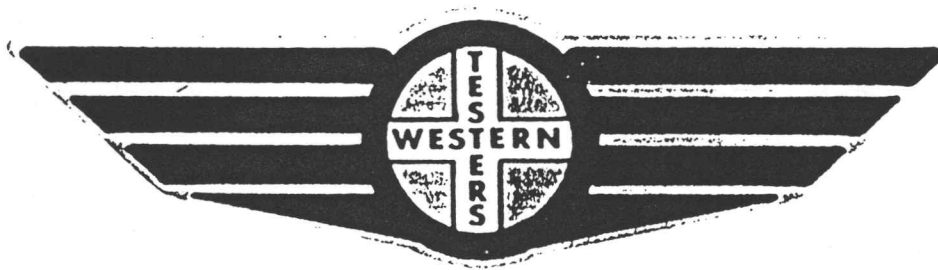
13400

RA 8554

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 7-6-87 TICKET : 8555  
CUSTOMER : ENERGY EXPLORATION INC. LEASE : GILL-1  
WELL : TEST: 3 GEOLOGIST : K. ROBERTS  
ELEVATION : 2978 KB FORMATION : L-KC-LOWER L  
SECTION : 35 TOWNSHIP : 16S  
RANGE : 29W COUNTY : LANE STATE : KANSAS  
GAUGE SN# : 6233 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4267 TO : 4304 TOTAL DEPTH : 4304  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4262 SIZE : 6.75  
PACKER DEPTH : 4267 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : ABERCROMBIE RIG #8  
MUD TYPE : CHEMICAL VISCOSITY : 45  
WEIGHT : 9.4 WATER LOSS (CC) : 10.4  
CHLORIDES (PPM) : 4500  
JARS-MAKE : NO SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 510 FT I.D. inch : 3.20  
DRILL PIPE LENGTH : 3737 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 : 4.5 XH

BLOW COMMENT #1 : INITIAL FLOW-STRONG BLOW-BOTTOM OF BUCKET IN 5 MINUTES  
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW-BOTTOM OF BUCKET.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 150 FT OF: GASSY OIL  
GRAVITY 37 CORRECTED TO 60 DEG.F.  
RECOVERED : 240 FT OF: GASSY OIL CUT WATERY MUD  
10% OIL-10% GAS-20% WATER-60% MUD  
RECOVERED : 180 FT OF: SLIGHTLY OIL CUT MUDDY WATER  
2% OIL-10% MUD-88% WATER  
RECOVERED : 420 FT OF: WATER

CHLORIDES: 38000 PPM

Total Barrels Fluid = 11.81  
Total Fluid Prod Rate = 188.89 BFPD  
Indicated Oil Rate = 33.96 BOPD  
Indicated Wtr Rate = 119.44 BWPD  
Corrected Oil Rate = 188.90 BOPD  
Corrected Wtr Rate = 664.32 BWPD

REMARK 1 :  
REMARK 2 : RECOVERED 600 FEET OF GAS ABOVE FLUID.  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) : 6:30 PM TIME STARTED OFF BOTTOM : 10:00 PM  
WELL TEMPERATURE : 126  
INITIAL HYDROSTATIC PRESSURE (A) 2122  
INITIAL FLOW PERIOD MIN: 30 (B) 110 PSI TO (C) : 316  
INITIAL CLOSED IN PERIOD MIN: 60 (D) 517  
FINAL FLOW PERIOD MIN: 60 (E) 360 PSI TO (F) : 470  
FINAL CLOSED IN PERIOD MIN: 60 (G) 510  
FINAL HYDROSTATIC PRESSURE (H) 2118

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
-----

COMPANY : ENERGY EXPLORATION INC.  
RIG : LANE-KANSAS  
FIELD : GILL-1  
WELL :  
DATE : 7-6-87  
GAUGE NO : 6233

OPERATIONAL COMMENTS

RECOVERED 600 FEET OF GAS ABOVE FLUID.

COMPANY : ENERGY EXPLORATION INC.  
 WELL :  
 GAUGE # : 6233  
 DATE : 6/ 7/87

FIELD : GILL-1  
 JOB # : 8555  
 DEPTH : 4304  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:30:0	0.000	110.000	126.00	0.000
2	6:34:59	0.083	117.000	126.00	7.000
3	6:40:0	0.167	190.000	126.00	73.000
4	6:45:0	0.250	243.000	126.00	53.000
5	6:49:59	0.333	272.000	126.00	29.000
6	6:55:0	0.417	298.000	126.00	26.000
7	7:0:0	0.500	316.000	126.00	18.000
8	7:3:0	0.550	420.000	126.00	104.000
9	7:6:0	0.600	447.000	126.00	27.000
10	7:9:0	0.650	462.000	126.00	15.000
11	7:12:0	0.700	476.000	126.00	14.000
12	7:15:0	0.750	484.000	126.00	8.000
13	7:18:0	0.800	491.000	126.00	7.000
14	7:21:0	0.850	497.000	126.00	6.000
15	7:24:0	0.900	503.000	126.00	6.000
16	7:27:0	0.950	506.000	126.00	3.000
17	7:30:0	1.000	508.000	126.00	2.000
18	7:33:0	1.050	510.000	126.00	2.000
19	7:36:0	1.100	511.000	126.00	1.000
20	7:39:0	1.150	512.000	126.00	1.000
21	7:42:0	1.200	513.000	126.00	1.000
22	7:45:0	1.250	514.000	126.00	1.000
23	7:48:0	1.300	515.000	126.00	1.000
24	7:51:0	1.350	516.000	126.00	1.000
25	7:54:0	1.400	517.000	126.00	1.000
26	7:57:0	1.450	517.000	126.00	0.000
27	8:0:0	1.500	517.000	126.00	0.000
28	8:1:0	1.517	360.000	126.00	-157.000
29	8:4:59	1.583	361.000	126.00	1.000
30	8:10:0	1.667	371.000	126.00	10.000
31	8:15:0	1.750	388.000	126.00	17.000
32	8:19:59	1.833	404.000	126.00	16.000
33	8:25:0	1.917	417.000	126.00	13.000
34	8:30:0	2.000	428.000	126.00	11.000
35	8:34:59	2.083	437.000	126.00	9.000
36	8:40:0	2.167	446.000	126.00	9.000
37	8:45:0	2.250	455.000	126.00	9.000
38	8:49:59	2.333	460.000	126.00	5.000
39	8:55:0	2.417	467.000	126.00	7.000
40	9:0:0	2.500	470.000	126.00	3.000
41	9:3:0	2.550	483.000	126.00	13.000
42	9:6:0	2.600	491.000	126.00	8.000
43	9:9:0	2.650	496.000	126.00	5.000
44	9:12:0	2.700	499.000	126.00	3.000
45	9:15:0	2.750	502.000	126.00	3.000
46	9:18:0	2.800	504.000	126.00	2.000
47	9:21:0	2.850	505.000	126.00	1.000
48	9:24:0	2.900	506.000	126.00	1.000
49	9:27:0	2.950	507.000	126.00	1.000
50	9:30:0	3.000	508.000	126.00	1.000
51	9:33:0	3.050	509.000	126.00	1.000
52	9:36:0	3.100	510.000	126.00	1.000

COMPANY : ENERGY EXPLORATION INC.  
WELL :  
GAUGE # : 6233  
DATE : 6/ 7/87

FIELD : GILL-1  
JOB # : 8555  
DEPTH : 4304  
TEST :

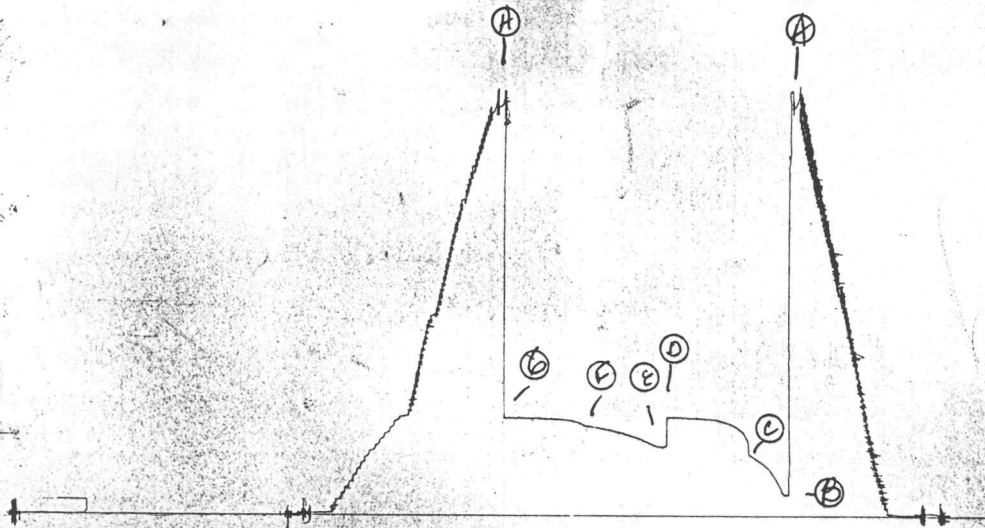
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	9:39: 0	3.150	510.000	126.00	0.000
54	9:42: 0	3.200	510.000	126.00	0.000
55	9:45: 0	3.250	510.000	126.00	0.000
56	9:48: 0	3.300	510.000	126.00	0.000
57	9:51: 0	3.350	510.000	126.00	0.000
58	9:54: 0	3.400	510.000	126.00	0.000
59	9:57: 0	3.450	510.000	126.00	0.000
60	10: 0: 0	3.500	510.000	126.00	0.000

WESTERN TESTING CO. INC.

6233

Plot # 8555

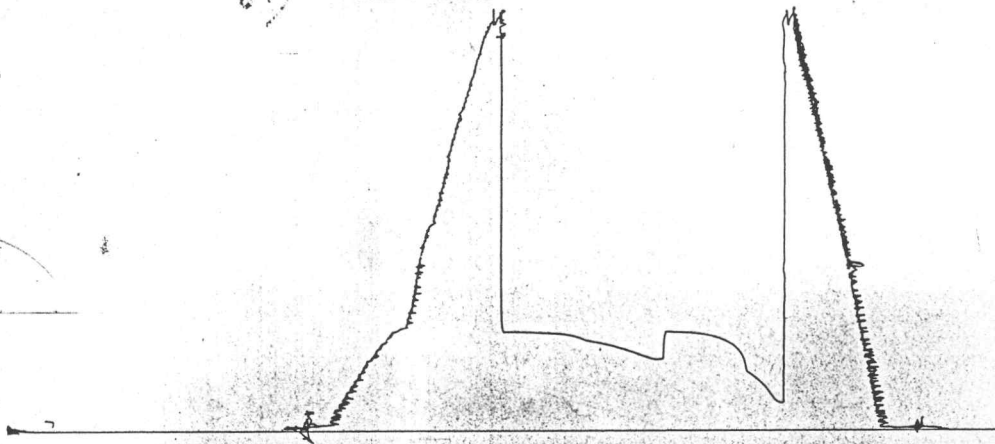
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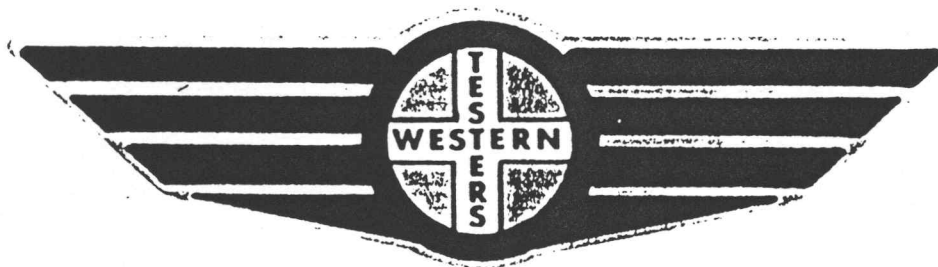
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Wt # 8555

0



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 7-7-87 TICKET : 8556  
CUSTOMER : ENERGY EXPLORATION INC. LEASE : GILL-1  
WELL : TEST: 4 GEOLOGIST : K. ROBERTS  
ELEVATION : 2978 KB FORMATION : MARMATON  
SECTION : 35 TOWNSHIP : 16S  
RANGE : 29W COUNTY : LANE STATE : KANSAS  
GAUGE SN# : 6233 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4302 TO : 4410 TOTAL DEPTH : 4410  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4297 SIZE : 6.75  
PACKER DEPTH : 4302 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : ABERCROMBIE RIG #8  
MUD TYPE : CHEMICAL VISCOSITY : 43  
WEIGHT : 9.1 WATER LOSS (CC) : 11.2  
CHLORIDES (PPM) : 5000  
JARS-MAKE : NO SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 447 FT I.D. inch : 3.20  
DRILL PIPE LENGTH : 3835 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 108 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 BLOW-INCREASING TO 4" IN WATER  
BLOW COMMENT #2 : FINAL FLOW-WEAK BLOW-1/4" IN WATER  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: OIL CUT MUD  
5% OIL-95% MUD  
RECOVERED : 120 FT OF: MUD WITH FEW OIL SPOTS  
OIL LESS THAN 1%

CHLORIDES: 6000 PPM

Total Barrels Fluid = 1.49  
Total Fluid Prod Rate = 23.87 BFPD  
Indicated Oil Rate = 0.32 BOPD  
Indicated Wtr Rate = 2.39 BWPD

REMARK 1 : PLUGGING ON FINAL FLOW  
REMARK 2 : COULDN'T GET ACCURATE READING  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) : 6:45 PM                      TIME STARTED OFF BOTTOM : 10:15 PM  
WELL TEMPERATURE : 0  
INITIAL HYDROSTATIC PRESSURE                      (A) 2149  
INITIAL FLOW PERIOD                      MIN: 30                      (B) 51                      PSI TO (C) : 58  
INITIAL CLOSED IN PERIOD                      MIN: 60                      (D) 322  
FINAL FLOW PERIOD                      MIN: 60                      (E) 91                      PSI TO (F) : 115  
FINAL CLOSED IN PERIOD                      MIN: 63                      (G) 220  
FINAL HYDROSTATIC PRESSURE                      (H) 2121

WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report

COMPANY : ENERGY EXPLORATION INC.  
RIG : LANE-KANSAS  
FIELD : GILL-1  
WELL :  
DATE : 7-7-87  
GAUGE NO : 6233

OPERATIONAL COMMENTS

PLUGGING ON FINAL FLOW  
COULDN'T GET ACCURATE READING

COMPANY : ENERGY EXPLORATION INC.  
WELL :  
GAUGE # : 6233  
DATE : 7/ 7/87

FIELD : GILL-1  
JOB # : 8556  
DEPTH : 4410  
TEST : PLUGGING ON FINAL FLOW

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:45: 0	0.000	51.000	0.00	0.000
2	6:49:59	0.083	51.000	0.00	0.000
3	6:55: 0	0.167	51.000	0.00	0.000
4	7: 0: 0	0.250	51.000	0.00	0.000
5	7: 4:59	0.333	54.000	0.00	3.000
6	7:10: 0	0.417	56.000	0.00	2.000
7	7:15: 0	0.500	58.000	0.00	2.000
8	7:18: 0	0.550	84.000	0.00	26.000
9	7:21: 0	0.600	107.000	0.00	23.000
10	7:24: 0	0.650	122.000	0.00	15.000
11	7:27: 0	0.700	135.000	0.00	13.000
12	7:30: 0	0.750	147.000	0.00	12.000
13	7:33: 0	0.800	159.000	0.00	12.000
14	7:36: 0	0.850	167.000	0.00	8.000
15	7:39: 0	0.900	174.000	0.00	7.000
16	7:42: 0	0.950	181.000	0.00	7.000
17	7:45: 0	1.000	190.000	0.00	9.000
18	7:48: 0	1.050	197.000	0.00	7.000
19	7:51: 0	1.100	202.000	0.00	5.000
20	7:54: 0	1.150	209.000	0.00	7.000
21	7:57: 0	1.200	220.000	0.00	11.000
22	8: 0: 0	1.250	236.000	0.00	16.000
23	8: 3: 0	1.300	250.000	0.00	14.000
24	8: 6: 0	1.350	267.000	0.00	17.000
25	8: 9: 0	1.400	287.000	0.00	20.000
26	8:12: 0	1.450	304.000	0.00	17.000
27	8:15: 0	1.500	322.000	0.00	18.000
28	8:16: 0	1.517	91.000	0.00	-231.000
29	8:19:59	1.583	91.000	0.00	0.000
30	8:25: 0	1.667	132.000	0.00	41.000
31	8:30: 0	1.750	152.000	0.00	20.000
32	8:34:59	1.833	117.000	0.00	-35.000
33	8:40: 0	1.917	118.000	0.00	1.000
34	8:45: 0	2.000	135.000	0.00	17.000
35	8:49:59	2.083	147.000	0.00	12.000
36	8:55: 0	2.167	159.000	0.00	12.000
37	9: 0: 0	2.250	158.000	0.00	-1.000
38	9: 4:59	2.333	168.000	0.00	10.000
39	9:10: 0	2.417	138.000	0.00	-30.000
40	9:15: 0	2.500	115.000	0.00	-23.000
41	9:18: 0	2.550	130.000	0.00	15.000
42	9:21: 0	2.600	141.000	0.00	11.000
43	9:24: 0	2.650	151.000	0.00	10.000
44	9:27: 0	2.700	158.000	0.00	7.000
45	9:30: 0	2.750	164.000	0.00	6.000
46	9:33: 0	2.800	170.000	0.00	6.000
47	9:36: 0	2.850	173.000	0.00	3.000
48	9:39: 0	2.900	177.000	0.00	4.000
49	9:42: 0	2.950	181.000	0.00	4.000
50	9:45: 0	3.000	183.000	0.00	2.000
51	9:48: 0	3.050	188.000	0.00	5.000
52	9:51: 0	3.100	191.000	0.00	3.000

COMPANY : ENERGY EXPLORATION INC.  
WELL :  
GAUGE # : 6233  
DATE : 7/ 7/87

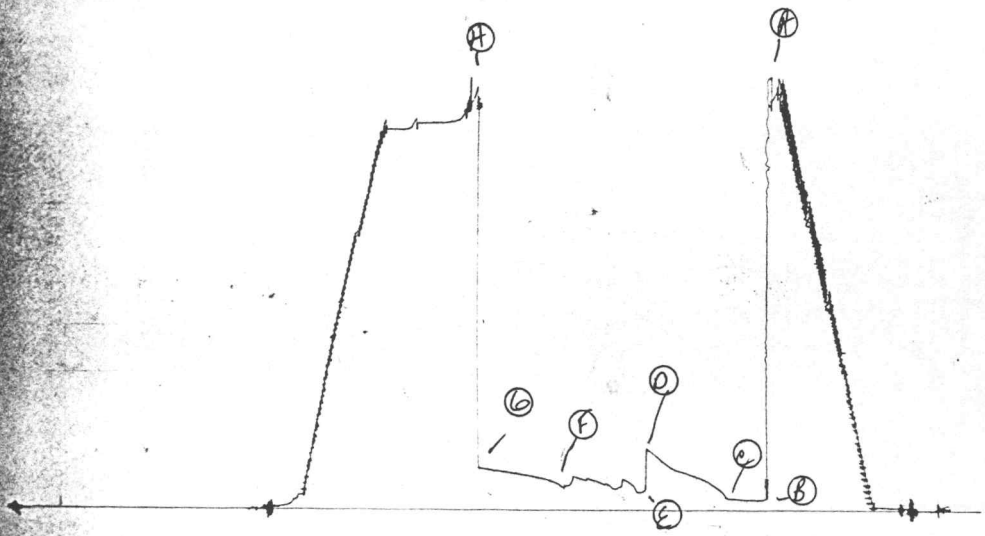
FIELD : GILL-1  
JOB # : 8556  
DEPTH : 4410  
TEST : PLUGGING ON FINAL FLOW

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	9:54: 0	3.150	194.000	0.00	3.000
54	9:57: 0	3.200	198.000	0.00	4.000
55	10: 0: 0	3.250	201.000	0.00	3.000
56	10: 3: 0	3.300	204.000	0.00	3.000
57	10: 6: 0	3.350	207.000	0.00	3.000
58	10: 9: 0	3.400	209.000	0.00	2.000
59	10:12: 0	3.450	213.000	0.00	4.000
60	10:15: 0	3.500	216.000	0.00	3.000
61	10:18: 0	3.550	220.000	0.00	4.000

WESTERN TESTING CO. INC.

6233

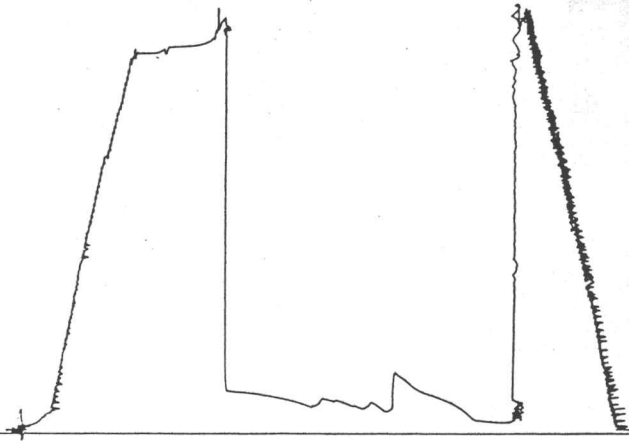
JK # 8556  
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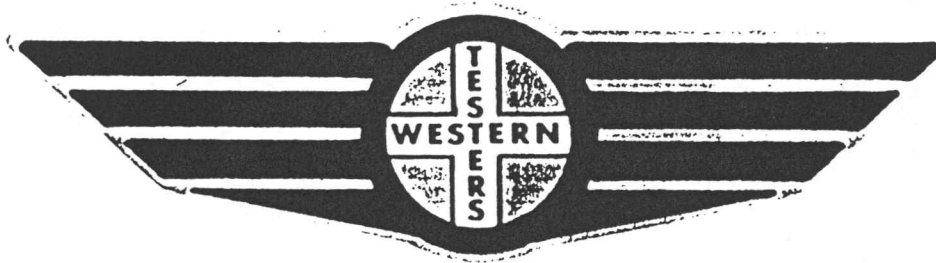
13/10

DK # 8556

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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 7-9-87 TICKET : 8557  
CUSTOMER : ENERGY EXPLORATION INC. LEASE : GILL-1  
WELL : TEST: 5 GEOLOGIST : K. ROBERTS  
ELEVATION : 2978 KB FORMATION : LOWER L (KC)  
SECTION : 35 TOWNSHIP : 16S  
RANGE : 29W COUNTY : LANE STATE : KANSAS  
GAUGE SN# : 6233 RANGE : 4000 CLOCK : 12

INTERVAL FROM : 4269 TO : 4289 TOTAL DEPTH : 4630

DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4264 SIZE : 6.75  
PACKER DEPTH : 4269 SIZE : 6.75  
PACKER DEPTH : 4289 SIZE : 6.75  
PACKER DEPTH : SIZE :

DRILLING CON. : ABERCROMBIE RIG #8  
MUD TYPE : CHEMICAL VISCOSITY : 50+  
WEIGHT : 9.4 WATER LOSS (CC) : 11.2  
CHLORIDES (PPM) : 6000  
JARS-MAKE : NO SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 0 FT I.D. inch : 0.00  
WEIGHT PIPE LENGTH : 191 FT I.D. inch : 3.20  
DRILL PIPE LENGTH : 4058 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 20 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-BOTTOM OF BUCKET IN  
18 MINUTES.  
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW-BOTTOM OF BUCKET IN 13 MINUTES.  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :



WESTERN TESTING CO. INC.  
WICHITA - KANSAS

Pressure Transient Report  
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COMPANY : ENERGY EXPLORATION INC.  
RIG : LANE-KANSAS  
FIELD : GILL-1  
WELL :  
DATE : 7-9-87  
GAUGE NO : 6233

OPERATIONAL COMMENTS

RECOVERED 900 FEET OF GAS ABOVE FLUID.

COMPANY : ENERGY EXPLORATION INC.  
 WELL :  
 GAUGE # : 6233  
 DATE : 9/ 7/87

FIELD : GILL-1  
 JOB # : 8557  
 DEPTH : 4630  
 TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	5:50: 0	0.000	53.000	126.00	0.000
2	5:54:59	0.083	54.000	126.00	1.000
3	6: 0: 0	0.167	59.000	126.00	5.000
4	6: 5: 0	0.250	69.000	126.00	10.000
5	6: 9:59	0.333	80.000	126.00	11.000
6	6:15: 0	0.417	89.000	126.00	9.000
7	6:20: 0	0.500	98.000	126.00	9.000
8	6:23: 0	0.550	353.000	126.00	255.000
9	6:26: 0	0.600	485.000	126.00	132.000
10	6:29: 0	0.650	516.000	126.00	31.000
11	6:32: 0	0.700	527.000	126.00	11.000
12	6:35: 0	0.750	534.000	126.00	7.000
13	6:38: 0	0.800	539.000	126.00	5.000
14	6:41: 0	0.850	544.000	126.00	5.000
15	6:44: 0	0.900	548.000	126.00	4.000
16	6:47: 0	0.950	552.000	126.00	4.000
17	6:50: 0	1.000	554.000	126.00	2.000
18	6:53: 0	1.050	556.000	126.00	2.000
19	6:56: 0	1.100	558.000	126.00	2.000
20	6:59: 0	1.150	559.000	126.00	1.000
21	7: 2: 0	1.200	560.000	126.00	1.000
22	7: 5: 0	1.250	561.000	126.00	1.000
23	7: 8: 0	1.300	562.000	126.00	1.000
24	7:11: 0	1.350	563.000	126.00	1.000
25	7:14: 0	1.400	564.000	126.00	1.000
26	7:17: 0	1.450	565.000	126.00	1.000
27	7:20: 0	1.500	566.000	126.00	1.000
28	7:21: 0	1.517	120.000	126.00	-446.000
29	7:24:59	1.583	120.000	126.00	0.000
30	7:30: 0	1.667	120.000	126.00	0.000
31	7:35: 0	1.750	121.000	126.00	1.000
32	7:39:59	1.833	123.000	126.00	2.000
33	7:45: 0	1.917	128.000	126.00	5.000
34	7:50: 0	2.000	134.000	126.00	6.000
35	7:54:59	2.083	138.000	126.00	4.000
36	8: 0: 0	2.167	143.000	126.00	5.000
37	8: 5: 0	2.250	148.000	126.00	5.000
38	8: 9:59	2.333	152.000	126.00	4.000
39	8:15: 0	2.417	158.000	126.00	6.000
40	8:20: 0	2.500	162.000	126.00	4.000
41	8:23: 0	2.550	383.000	126.00	221.000
42	8:26: 0	2.600	460.000	126.00	77.000
43	8:29: 0	2.650	484.000	126.00	24.000
44	8:32: 0	2.700	494.000	126.00	10.000
45	8:35: 0	2.750	500.000	126.00	6.000
46	8:38: 0	2.800	507.000	126.00	7.000
47	8:41: 0	2.850	510.000	126.00	3.000
48	8:44: 0	2.900	515.000	126.00	5.000
49	8:47: 0	2.950	517.000	126.00	2.000
50	8:50: 0	3.000	519.000	126.00	2.000
51	8:53: 0	3.050	520.000	126.00	1.000
52	8:56: 0	3.100	522.000	126.00	2.000

COMPANY : ENERGY EXPLORATION INC.  
WELL :  
GAUGE # : 6233  
DATE : 9/ 7/87

FIELD : GILL-1  
JOB # : 8557  
DEPTH : 4630  
TEST :

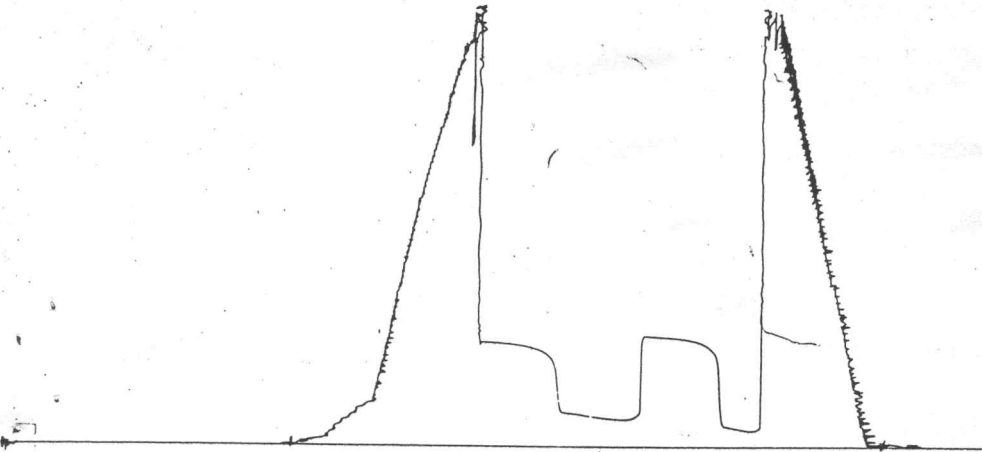
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P <sub>i</sub> -P <sub>(i-1)</sub>
53	8:59: 0	3.150	524.000	126.00	2.000
54	9: 2: 0	3.200	526.000	126.00	2.000
55	9: 5: 0	3.250	528.000	126.00	2.000
56	9: 8: 0	3.300	529.000	126.00	1.000
57	9:11: 0	3.350	530.000	126.00	1.000
58	9:14: 0	3.400	531.000	126.00	1.000
59	9:17: 0	3.450	532.000	126.00	1.000
60	9:20: 0	3.500	533.000	126.00	1.000

WESTERN TESTING CO. INC.

13470

TK4 8557

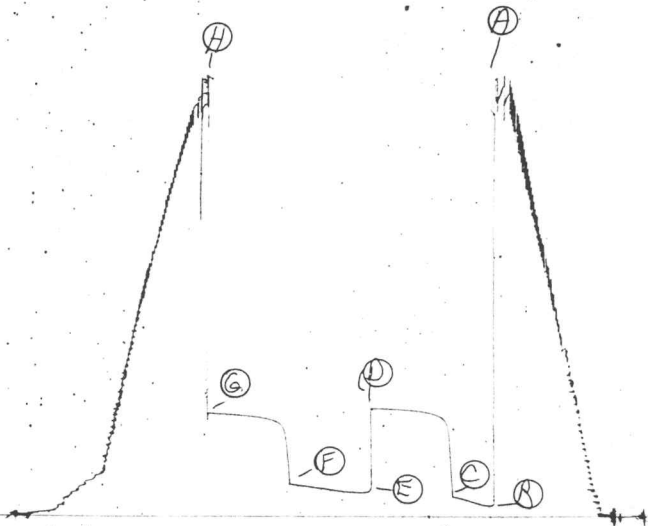
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Below Straddle

