

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-4-87 TICKET : 12188
CUSTOMER : GLOBAL NATURAL RESOURCES CORP. LEASE : POWELL
WELL : #1-22 TEST: 1 GEOLOGIST : J. HEDRICK
ELEVATION : 2947 KB FORMATION : LANSING
SECTION : 22 TOWNSHIP : 29S
RANGE : 33W COUNTY : HASKELL STATE : KANSAS
GAUGE SN# : 13521 RANGE : 4375 CLOCK : 12

INTERVAL FROM : 4207 TO : 4225 TOTAL DEPTH : 4225
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4202 SIZE : 6.63
PACKER DEPTH : 4207 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 47
WEIGHT : 9.1 WATER LOSS (CC) : 8.6]
CHLORIDES (PPM) : 2500
JARS-MAKE : WTC SERIAL NUMBER : 422
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 634 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3542 FT I.D. inch : 3.80
TEST TOOL LENGTH : 31 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 18 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 : INITIAL FLOW-WEAK BLOW DEPLETING FROM 1 1/2 INCH
TO 1/2 INCH INTO WATER.
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW IN 10 MINUTES.
BLOW COMMENT #3 : NO GAS TO SURFACE.
BLOW COMMENT #4 :

RECOVERED : 185 FT OF: SLIGHTLY OIL CUT MUDDY WATER (2% OIL)
RECOVERED : 634 FT OF: WATER
CHLORIDES: 65000 PPM

Total Barrels Fluid = 5.71
Total Fluid Prod Rate = 149.57 BFPD
Indicated Oil Rate = 0.68 BOPD
Indicated Wtr Rate = 132.22 BWPD

REMARK 1 : INITIAL FLOW PLUGGED
REMARK 2 : DUE TO FLUID SAMPLER BEING OUT OF SEQUENCE
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	3:55 PM	TIME STARTED OFF BOTTOM :	8:25 PM
WELL TEMPERATURE :	123		
INITIAL HYDROSTATIC PRESSURE		(A)	2078
INITIAL FLOW PERIOD MIN:	30	(B)	168 PSI TO (C) : 149
INITIAL CLOSED IN PERIOD MIN:	60	(D)	1041
FINAL FLOW PERIOD MIN:	55	(E)	111 PSI TO (F) : 377
FINAL CLOSED IN PERIOD MIN:	117	(G)	1009
FINAL HYDROSTATIC PRESSURE		(H)	2057

FLUID SAMPLE REPORT

Date : 6-4-87

Ticket No. : 12188

Company : GLOBAL NATURAL RESOURCES CORP.

Well Name & No. : POWELL #1-22

DST No. 1

County : HASKELL

State : KANSAS

Sampler No. :

Test Interval : 4207-4225

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Pressure in Sampler	280 PSIG	BHT	Deg F
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Total Volume of Sampler :	3150	cc
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Total Volume of Sample :		cc
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Oil:	0	cc
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Water:	2500	cc
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Mud:	0	cc
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Gas:	0	cu ft
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Other:	0	cc
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RESITIVITY

Drilling Mud	@	F	Chloride Content	65000 ppm
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Mud Pit Sample	@	F	Chloride Content	2500 ppm
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Gas/Oil Ratio	Gravity	API @	Deg F
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Where was sample drained AT RIG

Remarks:

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLOBAL NATRUAL RESOURCES CORP.
RIG : HASKELL-KANSAS
FIELD : POWELL
WELL : #1-22
DATE : 6-4-87
GAUGE NO : 13521

OPERATIONAL COMMENTS

INITIAL FLOW PLUGGED
DUE TO FLUID SAMPLER BEING OUT OF SEQUENCE

WELL : #1-22

JOB # : 12188

GAUGE # : 13521

DEPTH : 4225

DATE : 4/ 6/87

TEST : INITIAL FLOW PLUGGED

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	3:55: 0	0.000	168.000	123.00	0.000
2	4:25: 0	0.500	149.000	123.00	-19.000
3	4:28: 0	0.550	992.000	123.00	843.000
4	4:31: 0	0.600	1009.000	123.00	17.000
5	4:34: 0	0.650	1021.000	123.00	12.000
6	4:37: 0	0.700	1028.000	123.00	7.000
7	4:40: 0	0.750	1032.000	123.00	4.000
8	4:43: 0	0.800	1035.000	123.00	3.000
9	4:46: 0	0.850	1038.000	123.00	3.000
10	4:49: 0	0.900	1041.000	123.00	3.000
11	4:52: 0	0.950	1041.000	123.00	0.000
12	4:55: 0	1.000	1041.000	123.00	0.000
13	4:58: 0	1.050	1041.000	123.00	0.000
14	5: 1: 0	1.100	1041.000	123.00	0.000
15	5: 4: 0	1.150	1041.000	123.00	0.000
16	5: 7: 0	1.200	1041.000	123.00	0.000
17	5:10: 0	1.250	1041.000	123.00	0.000
18	5:13: 0	1.300	1041.000	123.00	0.000
19	5:16: 0	1.350	1041.000	123.00	0.000
20	5:19: 0	1.400	1041.000	123.00	0.000
21	5:22: 0	1.450	1041.000	123.00	0.000
22	5:25: 0	1.500	1041.000	123.00	0.000
23	5:26: 0	1.517	111.000	123.00	-930.000
24	5:29:59	1.583	113.000	123.00	2.000
25	5:35: 0	1.667	133.000	123.00	20.000
26	5:40: 0	1.750	175.000	123.00	42.000
27	5:44:59	1.833	214.000	123.00	39.000
28	5:50: 0	1.917	251.000	123.00	37.000
29	5:55: 0	2.000	288.000	123.00	37.000
30	5:59:59	2.083	313.000	123.00	25.000
31	6: 5: 0	2.167	333.000	123.00	20.000
32	6:10: 0	2.250	350.000	123.00	17.000
33	6:14:59	2.333	365.000	123.00	15.000
34	6:20: 0	2.417	377.000	123.00	12.000
35	6:23: 0	2.467	769.000	123.00	392.000
36	6:26: 0	2.517	830.000	123.00	61.000
37	6:29: 0	2.567	868.000	123.00	38.000
38	6:32: 0	2.617	894.000	123.00	26.000
39	6:35: 0	2.667	908.000	123.00	14.000
40	6:38: 0	2.717	924.000	123.00	16.000
41	6:41: 0	2.767	934.000	123.00	10.000
42	6:44: 0	2.817	940.000	123.00	6.000
43	6:47: 0	2.867	947.000	123.00	7.000
44	6:50: 0	2.917	954.000	123.00	7.000
45	6:53: 0	2.967	960.000	123.00	6.000
46	6:56: 0	3.017	965.000	123.00	5.000
47	6:59: 0	3.067	969.000	123.00	4.000
48	7: 2: 0	3.117	973.000	123.00	4.000
49	7: 5: 0	3.167	978.000	123.00	5.000
50	7: 8: 0	3.217	980.000	123.00	2.000
51	7:11: 0	3.267	982.000	123.00	2.000
52	7:14: 0	3.317	984.000	123.00	2.000

COMPANY : GLOBAL NATURAL RESOURCES CORP.

FIELD : POWELL

WELL : #1-22

JOB # : 12188

GAUGE # : 13521

DEPTH : 4225

DATE : 4/ 6/87

TEST : INITIAL FLOW PLUGGED

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	7:17: 0	3.367	986.000	123.00	2.000
54	7:20: 0	3.417	988.000	123.00	2.000
55	7:23: 0	3.467	990.000	123.00	2.000
56	7:26: 0	3.517	992.000	123.00	2.000
57	7:29: 0	3.567	994.000	123.00	2.000
58	7:32: 0	3.617	996.000	123.00	2.000
59	7:35: 0	3.667	998.000	123.00	2.000
60	7:38: 0	3.717	999.000	123.00	1.000
61	7:41: 0	3.767	1000.000	123.00	1.000
62	7:44: 0	3.817	1001.000	123.00	1.000
63	7:47: 0	3.867	1002.000	123.00	1.000
64	7:50: 0	3.917	1003.000	123.00	1.000
65	7:53: 0	3.967	1004.000	123.00	1.000
66	7:56: 0	4.017	1005.000	123.00	1.000
67	7:59: 0	4.067	1006.000	123.00	1.000
68	8: 2: 0	4.117	1007.000	123.00	1.000
69	8: 5: 0	4.167	1008.000	123.00	1.000
70	8: 8: 0	4.217	1009.000	123.00	1.000
71	8:11: 0	4.267	1009.000	123.00	0.000
72	8:14: 0	4.317	1009.000	123.00	0.000
73	8:17: 0	4.367	1009.000	123.00	0.000

WESTERN TESTING CO. INC.

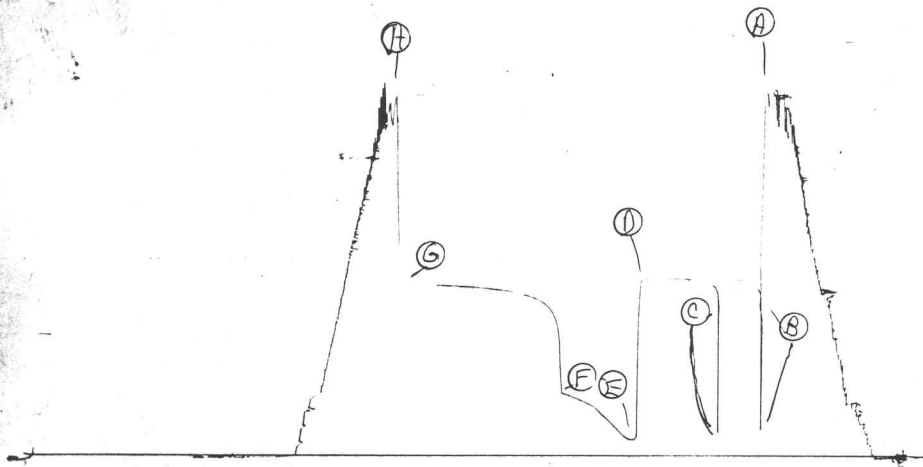
132 ST. DST #1



TK 12188

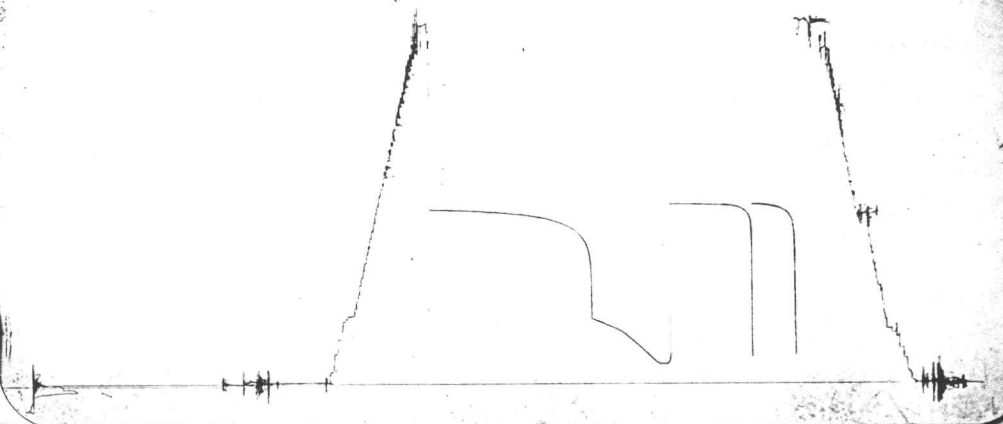
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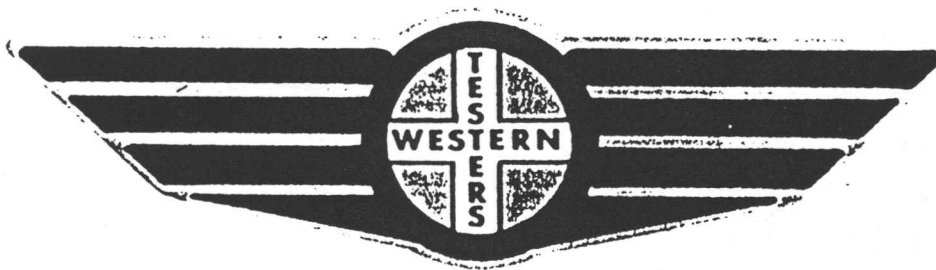


13721 DST#1

TK 12/88 15
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FORMATION TEST REPORT



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Phone (316) 262-5861

COMPANY GLOBAL NATURAL RESOURCES CORP LEASE & WELL NO. POWELL #1-22

SEC. 22 TWP. 29S RGE. 33W TEST NO. 2 DATE 6/5/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-5-87 TICKET : 12189
CUSTOMER : GLOBAL NATURAL RESOURCES CORP. LEASE : POWELL
WELL : #1-22 TEST: 2 GEOLOGIST : J DEAN??
ELEVATION : 2947 KB FORMATION : LANSING
SECTION : 22 TOWNSHIP : 29S
RANGE : 33W COUNTY : HASKELL STATE : KANSAS
GAUGE SN# : 13521 RANGE : 4375 CLOCK : 12

INTERVAL FROM : 4235 TO : 4245 TOTAL DEPTH : 4245
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4230 SIZE : 6.63
PACKER DEPTH : 4235 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 48
WEIGHT : 9.1 WATER LOSS (CC) : 9.2
CHLORIDES (PPM) : 3500
JARS-MAKE : WTC SERIAL NUMBER : 422
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 634 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3570 FT I.D. inch : 3.80
TEST TOOL LENGTH : 31 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 10 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 : INITIAL FLOW-WEAK BLOW BUILDING TO STRONG.
BLOW COMMENT #2 : FINAL FLOW-STRONG BLOW.
BLOW COMMENT #3 : NO GAS TO SURFACE.
BLOW COMMENT #4 :

RECOVERED : 180 FT OF: OIL CUT MUD
10% GAS-10% OIL-80% MUD
RECOVERED : 270 FT OF: OIL CUT MUDDY WATER
5% OIL-50% WATER-45% MUD
RECOVERED : 800 FT OF: WATER
CHLORIDES: 72000 PPM

Total Barrels Fluid = 11.76
Total Fluid Prod Rate = 188.13 BFPD
Indicated Oil Rate = 4.74 BOPD
Indicated Wtr Rate = 144.72 BWPD

REMARK 1 : INITIAL FLOW PLUGGED
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 9:05 AM
WELL TEMPERATURE : 120
INITIAL HYDROSTATIC PRESSURE (A) 2125
INITIAL FLOW PERIOD MIN: 30 (B) 197 PSI TO (C) : 268
INITIAL CLOSED IN PERIOD MIN: 60 (D) 882
FINAL FLOW PERIOD MIN: 60 (E) 234 PSI TO (F) : 496
FINAL CLOSED IN PERIOD MIN: 120 (G) 869
FINAL HYDROSTATIC PRESSURE (H) 2056
TIME STARTED OFF BOTTOM : 1:35 PM

FLUID SAMPLE REPORT

Date : 6-5-87

Ticket No. : 12189

Company : GLOBAL NATURAL RESOURCES CORP.

Well Name & No. : POWELL #1-22

DST No. 2

County : HASKELL

State : KANSAS

Sampler No. :

Test Interval : 4235-4245

Pressure in Sampler 240 PSIG BHT 120 Deg F

Total Volume of Sampler : 3150 cc

Total Volume of Sample : 3050 cc

Oil: 50 cc

Water: 3000 cc

Mud: 0 cc

Gas: 100 cu ft

Other: 0 cc

RESITIVITY

Drilling Mud @ F Chloride Content 72000 ppm

Mud Pit Sample @ F Chloride Content ppm

Gas/Oil Ratio Gravity API @ Deg F

Where was sample drained ON RIG FLOOR

Remarks:

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLOBAL NATRUAL RESOURCES CORP.
RIG : HASKELL-KANSAS
FIELD : POWELL
WELL : #1-22
DATE : 6-5-87
GAUGE NO : 13521

OPERATIONAL COMMENTS

INITIAL FLOW PLUGGED

WELL : #1-22

JOB # : 12189

GAUGE # : 13521

DEPTH : 4245

DATE : 5/ 6/87

TEST : INITIAL FLOW PLUGGED

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	9: 5: 0	0.000	197.000	120.00	0.000
2	9:35: 0	0.500	268.000	120.00	71.000
3	9:38: 0	0.550	783.000	120.00	515.000
4	9:41: 0	0.600	816.000	120.00	33.000
5	9:44: 0	0.650	833.000	120.00	17.000
6	9:47: 0	0.700	846.000	120.00	13.000
7	9:50: 0	0.750	855.000	120.00	9.000
8	9:53: 0	0.800	861.000	120.00	6.000
9	9:56: 0	0.850	865.000	120.00	4.000
10	9:59: 0	0.900	868.000	120.00	3.000
11	10: 2: 0	0.950	871.000	120.00	3.000
12	10: 5: 0	1.000	874.000	120.00	3.000
13	10: 8: 0	1.050	876.000	120.00	2.000
14	10:11: 0	1.100	877.000	120.00	1.000
15	10:14: 0	1.150	878.000	120.00	1.000
16	10:17: 0	1.200	880.000	120.00	2.000
17	10:20: 0	1.250	881.000	120.00	1.000
18	10:23: 0	1.300	882.000	120.00	1.000
19	10:26: 0	1.350	882.000	120.00	0.000
20	10:29: 0	1.400	882.000	120.00	0.000
21	10:32: 0	1.450	882.000	120.00	0.000
22	10:35: 0	1.500	882.000	120.00	0.000
23	10:36: 0	1.517	234.000	120.00	-648.000
24	10:39:59	1.583	243.000	120.00	9.000
25	10:45: 0	1.667	278.000	120.00	35.000
26	10:50: 0	1.750	316.000	120.00	38.000
27	10:54:59	1.833	342.000	120.00	26.000
28	11: 0: 0	1.917	364.000	120.00	22.000
29	11: 5: 0	2.000	387.000	120.00	23.000
30	11: 9:59	2.083	409.000	120.00	22.000
31	11:15: 0	2.167	428.000	120.00	19.000
32	11:20: 0	2.250	447.000	120.00	19.000
33	11:24:59	2.333	465.000	120.00	18.000
34	11:30: 0	2.417	481.000	120.00	16.000
35	11:35: 0	2.500	496.000	120.00	15.000
36	11:38: 0	2.550	691.000	120.00	195.000
37	11:41: 0	2.600	746.000	120.00	55.000
38	11:44: 0	2.650	770.000	120.00	24.000
39	11:47: 0	2.700	784.000	120.00	14.000
40	11:50: 0	2.750	796.000	120.00	12.000
41	11:53: 0	2.800	805.000	120.00	9.000
42	11:56: 0	2.850	813.000	120.00	8.000
43	11:59: 0	2.900	820.000	120.00	7.000
44	12: 2: 0	2.950	825.000	120.00	5.000
45	12: 5: 0	3.000	829.000	120.00	4.000
46	12: 8: 0	3.050	833.000	120.00	4.000
47	12:11: 0	3.100	838.000	120.00	5.000
48	12:14: 0	3.150	840.000	120.00	2.000
49	12:17: 0	3.200	842.000	120.00	2.000
50	12:20: 0	3.250	844.000	120.00	2.000
51	12:23: 0	3.300	846.000	120.00	2.000
52	12:26: 0	3.350	848.000	120.00	2.000

COMPANY : GLOBAL NATURAL RESOURCES CORP.

WELL : #1-22

GAUGE # : 13521

DATE : 5/ 6/87

FIELD : POWELL

JOB # : 12189

DEPTH : 4245

TEST : INITIAL FLOW PLUGGED

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	12:29: 0	3.400	850.000	120.00	2.000
54	12:32: 0	3.450	852.000	120.00	2.000
55	12:35: 0	3.500	854.000	120.00	2.000
56	12:38: 0	3.550	856.000	120.00	2.000
57	12:41: 0	3.600	858.000	120.00	2.000
58	12:44: 0	3.650	859.000	120.00	1.000
59	12:47: 0	3.700	860.000	120.00	1.000
60	12:50: 0	3.750	861.000	120.00	1.000
61	12:53: 0	3.800	862.000	120.00	1.000
62	12:56: 0	3.850	863.000	120.00	1.000
63	12:59: 0	3.900	864.000	120.00	1.000
64	13: 2: 0	3.950	865.000	120.00	1.000
65	13: 5: 0	4.000	866.000	120.00	1.000
66	13: 8: 0	4.050	867.000	120.00	1.000
67	13:11: 0	4.100	868.000	120.00	1.000
68	13:14: 0	4.150	869.000	120.00	1.000
69	13:17: 0	4.200	869.000	120.00	0.000
70	13:20: 0	4.250	869.000	120.00	0.000
71	13:23: 0	4.300	869.000	120.00	0.000
72	13:26: 0	4.350	869.000	120.00	0.000
73	13:29: 0	4.400	869.000	120.00	0.000
74	13:32: 0	4.450	869.000	120.00	0.000
75	13:35: 0	4.500	869.000	120.00	0.000

WESTERN TESTING CO. INC.

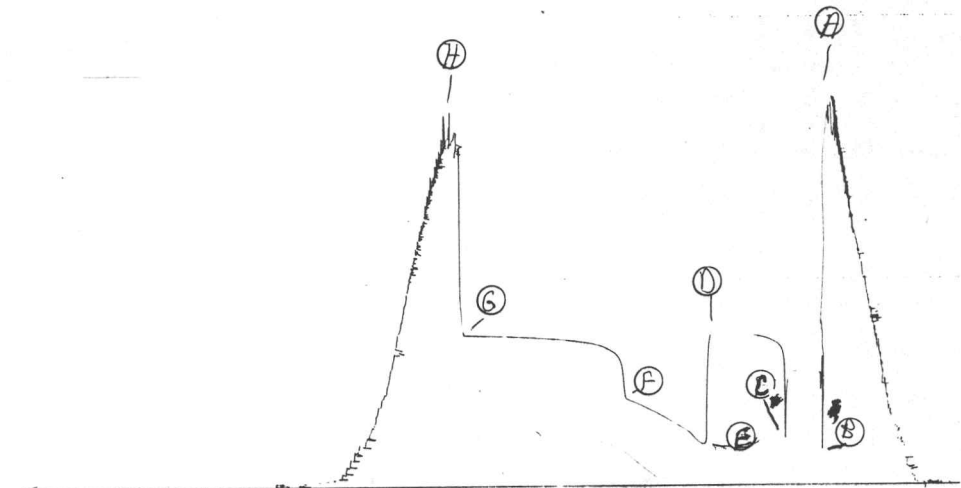
13251 DST#2

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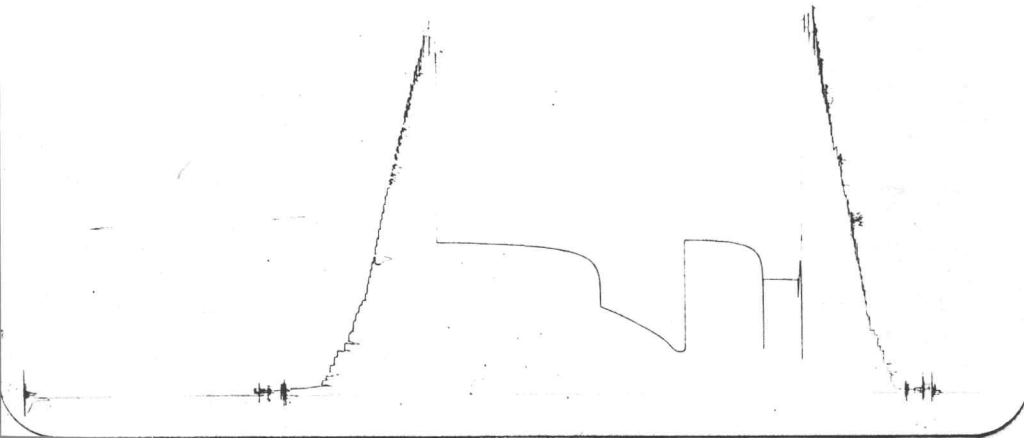


13721 DST#2

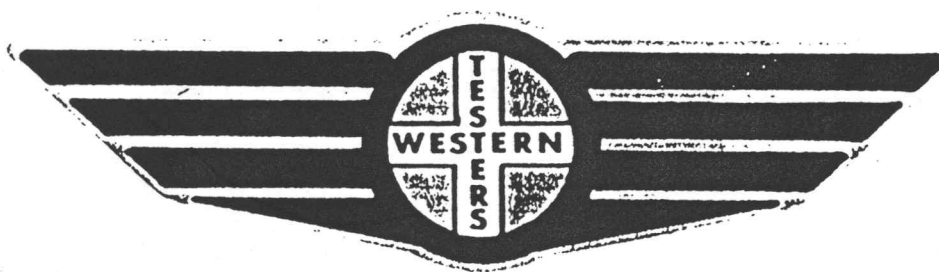
TKT 12189

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Home Office:

Wichita, Kansas 67201

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WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-6-87 TICKET : 12190
CUSTOMER : GLOBAL NATURAL RESOURCES CORP. LEASE : POWELL
WELL : #1-22 TEST: 3 GEOLOGIST : J. HEDRICK
ELEVATION : 2947 KB FORMATION : LANSING-KC
SECTION : 22 TOWNSHIP : 29S
RANGE : 33W COUNTY : HASKELL STATE : KANSAS
GAUGE SN# : 13251 RANGE : 4375 CLOCK : 12

INTERVAL FROM : 4323 TC : 4338 TOTAL DEPTH : 4338
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4318 SIZE : 6.63
PACKER DEPTH : 4323 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 54
WEIGHT : 9.0 WATER LOSS (CC) : 8.6
CHLORIDES (PPM) : 2700
JARS-MAKE : WTC SERIAL NUMBER : 422
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 634 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3658 FT I.D. inch : 3.80
TEST TOOL LENGTH : 31 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 : INITIAL FLOW-WEAK STEADY BLOW.
BLOW COMMENT #2 : FINAL FLOW-VERY WEAK STEADY BLOW.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 300 FT OF: SLIGHTLY OIL CUT MUDDY WATER (3% OIL

CHLORIDES: 64000 PPM

Total Barrels Fluid = 1.48
Total Fluid Prod Rate = 23.60 BFPD
Indicated Oil Rate = 0.71 BOPD
Indicated Wtr Rate = 11.80 BWPD

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

SET PACKER(S) : 6:30 AM

TIME STARTED OFF BOTTOM : 11:00 AM

WELL TEMPERATURE : 125

INITIAL HYDROSTATIC PRESSURE

(A) 2158

INITIAL FLOW PERIOD MIN: 30

(B) 70 PSI TO (C) : 70

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1113

FINAL FLOW PERIOD MIN: 60

(E) 104 PSI TO (F) : 118

FINAL CLOSED IN PERIOD MIN: 120

(G) 1030

FINAL HYDROSTATIC PRESSURE

(H) 2100

FLUID SAMPLE REPORT

Date : 6-6-87

Ticket No. : 12190

Company : GLOBAL NATURAL RESOURCES CORP.

Well Name & No. : POWELL #1-22

DST No. 3

County : HASKELL

State : KANSAS

Sampler No. :

Test Interval : 4323-4338

=====

Pressure in Sampler 50 PSIG BHT 125 Deg F

Total Volume of Sampler : 3150 cc

Total Volume of Sample : 3100 cc

Oil: 10 cc

Water: 3080 cc

Mud: 10 cc

Gas: 50 OIL ODER AIR

cu ft

Other: - cc

=====

RESITIVITY

Drilling Mud @ F Chloride Content 64000 ppm

Mud Pit Sample @ F Chloride Content 2700 ppm

Gas/Oil Ratio Gravity API @ Deg F

Where was sample drained ON RIG FLOOR

Remarks:

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLOBAL NATURAL RESOURCES CORP.
RIG : HASKELL-KANSAS
FIELD : POWELL
WELL : #1-22
DATE : 6-6-87
GAUGE NO : 13251

OPERATIONAL COMMENTS

WELL : #1-22

JOB # : 12190

GAUGE # : 13251

DEPTH : 4338

DATE : 6/ 6/87

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	70.000	125.00	0.000
2	6:34:59	0.083	70.000	125.00	0.000
3	6:40: 0	0.167	70.000	125.00	0.000
4	6:45: 0	0.250	70.000	125.00	0.000
5	6:49:59	0.333	70.000	125.00	0.000
6	6:55: 0	0.417	70.000	125.00	0.000
7	7: 0: 0	0.500	70.000	125.00	0.000
8	7: 3: 0	0.550	741.000	125.00	671.000
9	7: 6: 0	0.600	874.000	125.00	133.000
10	7: 9: 0	0.650	929.000	125.00	55.000
11	7:12: 0	0.700	967.000	125.00	38.000
12	7:15: 0	0.750	995.000	125.00	28.000
13	7:18: 0	0.800	1013.000	125.00	18.000
14	7:21: 0	0.850	1029.000	125.00	16.000
15	7:24: 0	0.900	1043.000	125.00	14.000
16	7:27: 0	0.950	1053.000	125.00	10.000
17	7:30: 0	1.000	1064.000	125.00	11.000
18	7:33: 0	1.050	1070.000	125.00	6.000
19	7:36: 0	1.100	1079.000	125.00	9.000
20	7:39: 0	1.150	1086.000	125.00	7.000
21	7:42: 0	1.200	1090.000	125.00	4.000
22	7:45: 0	1.250	1094.000	125.00	4.000
23	7:48: 0	1.300	1098.000	125.00	4.000
24	7:51: 0	1.350	1102.000	125.00	4.000
25	7:54: 0	1.400	1105.000	125.00	3.000
26	7:57: 0	1.450	1110.000	125.00	5.000
27	8: 0: 0	1.500	1113.000	125.00	3.000
28	8: 1: 0	1.517	104.000	125.00	-1009.000
29	8: 4:59	1.583	104.000	125.00	0.000
30	8:10: 0	1.667	104.000	125.00	0.000
31	8:15: 0	1.750	104.000	125.00	0.000
32	8:19:59	1.833	104.000	125.00	0.000
33	8:25: 0	1.917	104.000	125.00	0.000
34	8:30: 0	2.000	104.000	125.00	0.000
35	8:34:59	2.083	105.000	125.00	1.000
36	8:40: 0	2.167	106.000	125.00	1.000
37	8:45: 0	2.250	107.000	125.00	1.000
38	8:49:59	2.333	112.000	125.00	5.000
39	8:55: 0	2.417	115.000	125.00	3.000
40	9: 0: 0	2.500	118.000	125.00	3.000
41	9: 3: 0	2.550	603.000	125.00	485.000
42	9: 6: 0	2.600	747.000	125.00	144.000
43	9: 9: 0	2.650	802.000	125.00	55.000
44	9:12: 0	2.700	835.000	125.00	33.000
45	9:15: 0	2.750	861.000	125.00	26.000
46	9:18: 0	2.800	883.000	125.00	22.000
47	9:21: 0	2.850	899.000	125.00	16.000
48	9:24: 0	2.900	914.000	125.00	15.000
49	9:27: 0	2.950	924.000	125.00	10.000
50	9:30: 0	3.000	935.000	125.00	11.000
51	9:33: 0	3.050	942.000	125.00	7.000
52	9:36: 0	3.100	951.000	125.00	9.000

COMPANY : GLOBAL NATURAL RESOURCES CORP.

WELL : #1-22

GAUGE # : 13251

DATE : 6/ 6/87

FIELD : POWELL

JOB # : 12190

DEPTH : 4338

TEST :

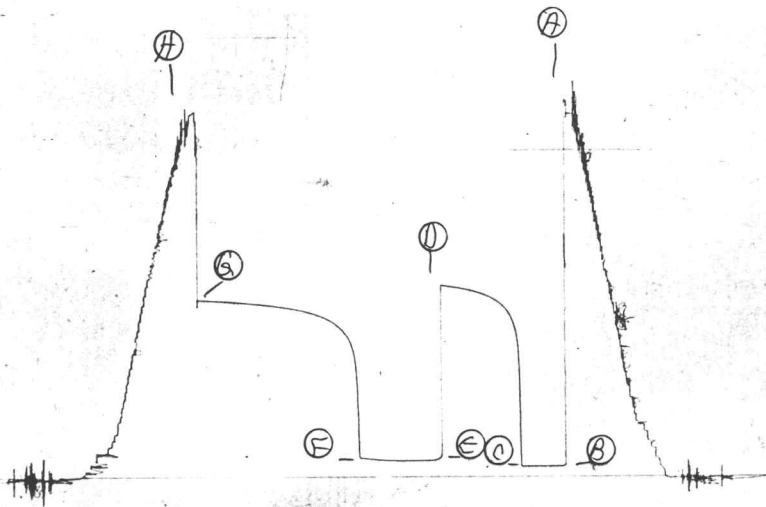
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53	9:39: 0	3.150	957.000	125.00	6.000
54	9:42: 0	3.200	965.000	125.00	8.000
55	9:45: 0	3.250	970.000	125.00	5.000
56	9:48: 0	3.300	973.000	125.00	3.000
57	9:51: 0	3.350	979.000	125.00	6.000
58	9:54: 0	3.400	984.000	125.00	5.000
59	9:57: 0	3.450	988.000	125.00	4.000
60	10: 0: 0	3.500	990.000	125.00	2.000
61	10: 3: 0	3.550	995.000	125.00	5.000
62	10: 6: 0	3.600	998.000	125.00	3.000
63	10: 9: 0	3.650	1000.000	125.00	2.000
64	10:12: 0	3.700	1002.000	125.00	2.000
65	10:15: 0	3.750	1004.000	125.00	2.000
66	10:18: 0	3.800	1007.000	125.00	3.000
67	10:21: 0	3.850	1010.000	125.00	3.000
68	10:24: 0	3.900	1012.000	125.00	2.000
69	10:27: 0	3.950	1014.000	125.00	2.000
70	10:30: 0	4.000	1015.000	125.00	1.000
71	10:33: 0	4.050	1018.000	125.00	3.000
72	10:36: 0	4.100	1020.000	125.00	2.000
73	10:39: 0	4.150	1021.000	125.00	1.000
74	10:42: 0	4.200	1022.000	125.00	1.000
75	10:45: 0	4.250	1024.000	125.00	2.000
76	10:48: 0	4.300	1025.000	125.00	1.000
77	10:51: 0	4.350	1026.000	125.00	1.000
78	10:54: 0	4.400	1028.000	125.00	2.000
79	10:57: 0	4.450	1029.000	125.00	1.000
80	11: 0: 0	4.500	1030.000	125.00	1.000

WESTERN TESTING CO. INC.

13257 PST#3

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~~★~~ HT 12190
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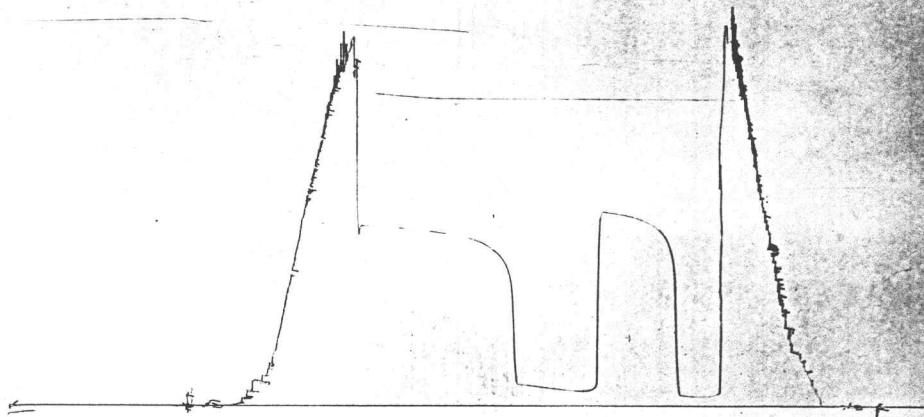


13721 DS7 #3

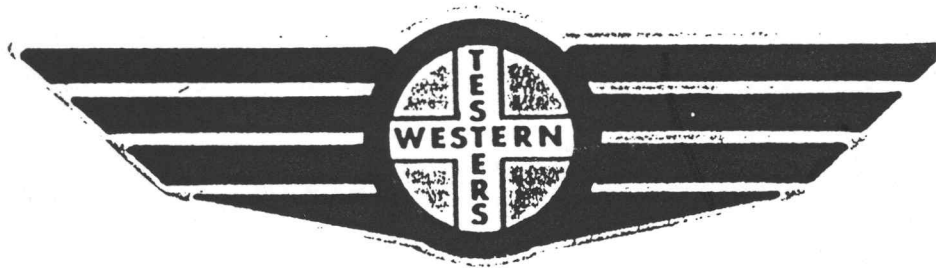
KH12190

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY GLOBAL NATURAL RESOURCES CORP. LEASE & WELL NO. POWELL #1-22 SEC. 22 TWP. 29S RGE. 33W TEST NO. 4 DATE 6/7/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-7-87 TICKET : 12191
CUSTOMER : GLOBAL NATURAL RESOURCES CORP. LEASE : POWELL
WELL : #1-22 TEST: 4 GEOLOGIST : J. HEDRICK
ELEVATION : 2947 KB FORMATION : KANSAS CITY 'B'
SECTION : 22 TOWNSHIP : 29S
RANGE : 33W COUNTY : HASKELL STATE : KANSAS
GAUGE SN# : 13251 RANGE : 4375 CLOCK : 12

INTERVAL FROM : 4650 TO : 4680 TOTAL DEPTH : 4680
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4645 SIZE : 6.63
PACKER DEPTH : 4650 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 44
WEIGHT : 9.0 WATER LOSS (CC) : 9.0
CHLORIDES (PPM) : 2000
JARS-MAKE : WTC SERIAL NUMBER : 422
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 634 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 3985 FT I.D. inch : 3.80
TEST TOOL LENGTH : 31 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 30 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 : INITIAL FLOW-WEAK TO FAIR BLOW.
BLOW COMMENT #2 : FINAL FLWO-STRONG BLOW-GAS TO SURFACE IN 8 MINUTES.
BLOW COMMENT #3 : SEE ATTACHED FLOW CHART.
BLOW COMMENT #4 :

RECOVERED : 450 FT OF: HEAVY GASSY OIL
40% GAS-60% OIL
RECOVERED : 90 FT OF: HEAVY GASSY MUD CUT OIL
40% GAS-40% OIL-20% MUD

Total Barrels Fluid = 2.66
Total Fluid Prod Rate = 42.49 BFPD
Indicated Oil Rate = 24.08 BOPD
Indicated Wtr Rate = 0.14 BWPD

REMARK 1 : SAMPLER PLUGGED INITIAL FLOW
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 6:50 PM TIME STARTED OFF BOTTOM : 11:20 PM
WELL TEMPERATURE : 125
INITIAL HYDROSTATIC PRESSURE (A) 2229
INITIAL FLOW PERIOD MIN: 30 (B) 584 PSI TO (C) : 480
INITIAL CLOSED IN PERIOD MIN: 57 (D) 1281
FINAL FLOW PERIOD MIN: 60 (E) 119 PSI TO (F) : 138
FINAL CLOSED IN PERIOD MIN: 117 (G) 1259
FINAL HYDROSTATIC PRESSURE (H) 2217

GAS FLOW REPORT

Date : 6-7-87 Ticket # : 12191
 Customer : GLOBAL NATURAL RESOURCES CORP. Lease : POWELL
 Well : #1-22 Test : 4 Geologist : J. HEDRICK
 Elevation (KB) : 2947 Formation : KANSAS CITY 'B'
 Section : 22 Township : 29S
 Range : 33W County : HASKELL State : KANSAS
 Gauge SN # : 13251 Range : 4375 Clock : 12

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

=====

SECOND FLOW

=====

8	MERLA	3/4 "		GAS TO SURFACE
10			3	133000 CFPD
20			3	133000 CFPD
30			4	156000 CFPD
40			4	156000 CFPD
50			4	156000 CFPD
60			4	156000 CFPD

Gas Bottle SN # : 3
 Date Bottle Filled : 6-7-87
 Date to be Invoiced :

FLUID SAMPLE REPORT

Date : 6-7-87

Ticket No. : 12191

Company : GLOBAL NATURAL RESOURCES CORP.

Well Name & No. : POWELL #1-22

DST No. 4

County : HASKELL

State : KANSAS

Sampler No. :

Test Interval : 4650-4680

=====

Pressure in Sampler	950 PSIG	BHT	125	Deg F
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Total Volume of Sampler	: 3150	cc
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Total Volume of Sample	: 1100	cc
------------------------	--------	----

Oil	: 1050	cc
-----	--------	----

Water	: -	cc
-------	-----	----

Mud	: 50	cc
-----	------	----

Gas	: 2.3	cu ft
-----	-------	-------

Other	:	cc
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RESITIVITY

Drilling Mud	@	F	Chloride Content	ppm
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Mud Pit Sample	@	F	Chloride Content	2000 ppm
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Gas/Oil Ratio	60/40	Gravity	38	API @ 60 Deg F
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Where was sample drained ON RIG FLOOR

Remarks:

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLOBAL NATURAL RESOURCES CORP.
RIG : HASKELL-KANSAS
FIELD : POWELL
WELL : #1-22
DATE : 6-7-87
GAUGE NO : 13251

OPERATIONAL COMMENTS

SAMPLER PLUGGED INITIAL FLOW

COMPANY : GLOBAL NATURAL RESOURCES CORP.

FIELD : POWELL

WELL : #1-22

JOB # : 12191

GAUGE # : 13251

DEPTH : 4680

DATE : 7/ 6/87

TEST : SAMPLER PLUGGED INITIAL
FLOW

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:50: 0	0.000	584.000	125.00	0.000
2	7:20: 0	0.500	480.000	125.00	-104.000
3	7:23: 0	0.550	1056.000	125.00	576.000
4	7:26: 0	0.600	1160.000	125.00	104.000
5	7:29: 0	0.650	1197.000	125.00	37.000
6	7:32: 0	0.700	1221.000	125.00	24.000
7	7:35: 0	0.750	1235.000	125.00	14.000
8	7:38: 0	0.800	1248.000	125.00	13.000
9	7:41: 0	0.850	1256.000	125.00	8.000
10	7:44: 0	0.900	1262.000	125.00	6.000
11	7:47: 0	0.950	1267.000	125.00	5.000
12	7:50: 0	1.000	1270.000	125.00	3.000
13	7:53: 0	1.050	1272.000	125.00	2.000
14	7:56: 0	1.100	1273.000	125.00	1.000
15	7:59: 0	1.150	1274.000	125.00	1.000
16	8: 2: 0	1.200	1276.000	125.00	2.000
17	8: 5: 0	1.250	1278.000	125.00	2.000
18	8: 8: 0	1.300	1279.000	125.00	1.000
19	8:11: 0	1.350	1280.000	125.00	1.000
20	8:14: 0	1.400	1281.000	125.00	1.000
21	8:17: 0	1.450	1281.000	125.00	0.000
22	8:18: 0	1.467	119.000	125.00	-1162.000
23	8:21:59	1.533	119.000	125.00	0.000
24	8:27: 0	1.617	119.000	125.00	0.000
25	8:32: 0	1.700	119.000	125.00	0.000
26	8:36:59	1.783	119.000	125.00	0.000
27	8:42: 0	1.867	119.000	125.00	0.000
28	8:47: 0	1.950	119.000	125.00	0.000
29	8:51:59	2.033	119.000	125.00	0.000
30	8:57: 0	2.117	132.000	125.00	13.000
31	9: 2: 0	2.200	133.000	125.00	1.000
32	9: 6:59	2.283	135.000	125.00	2.000
33	9:12: 0	2.367	137.000	125.00	2.000
34	9:17: 0	2.450	138.000	125.00	1.000
35	9:20: 0	2.500	398.000	125.00	260.000
36	9:23: 0	2.550	711.000	125.00	313.000
37	9:26: 0	2.600	893.000	125.00	182.000
38	9:29: 0	2.650	1012.000	125.00	119.000
39	9:32: 0	2.700	1089.000	125.00	77.000
40	9:35: 0	2.750	1126.000	125.00	37.000
41	9:38: 0	2.800	1155.000	125.00	29.000
42	9:41: 0	2.850	1173.000	125.00	18.000
43	9:44: 0	2.900	1184.000	125.00	11.000
44	9:47: 0	2.950	1193.000	125.00	9.000
45	9:50: 0	3.000	1203.000	125.00	10.000
46	9:53: 0	3.050	1212.000	125.00	9.000
47	9:56: 0	3.100	1217.000	125.00	5.000
48	9:59: 0	3.150	1220.000	125.00	3.000
49	10: 2: 0	3.200	1227.000	125.00	7.000
50	10: 5: 0	3.250	1230.000	125.00	3.000
51	10: 8: 0	3.300	1232.000	125.00	2.000
52	10:11: 0	3.350	1235.000	125.00	3.000

COMPANY : GLOBAL NATURAL RESOURCES CORP.

FIELD : POWELL

WELL : #1-22

JOB # : 12191

Gauge # : 13251

DEPTH : 4680

DATE : 7/ 6/87

TEST : SAMPLER PLUGGED INITIAL
FLOW

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	10:14: 0	3.400	1237.000	125.00	2.000
54	10:17: 0	3.450	1238.000	125.00	1.000
55	10:20: 0	3.500	1240.000	125.00	2.000
56	10:23: 0	3.550	1242.000	125.00	2.000
57	10:26: 0	3.600	1244.000	125.00	2.000
58	10:29: 0	3.650	1246.000	125.00	2.000
59	10:32: 0	3.700	1248.000	125.00	2.000
60	10:35: 0	3.750	1250.000	125.00	2.000
61	10:38: 0	3.800	1252.000	125.00	2.000
62	10:41: 0	3.850	1254.000	125.00	2.000
63	10:44: 0	3.900	1255.000	125.00	1.000
64	10:47: 0	3.950	1256.000	125.00	1.000
65	10:50: 0	4.000	1257.000	125.00	1.000
66	10:53: 0	4.050	1258.000	125.00	1.000
67	10:56: 0	4.100	1259.000	125.00	1.000
68	10:59: 0	4.150	1259.000	125.00	0.000
69	11: 2: 0	4.200	1259.000	125.00	0.000
70	11: 5: 0	4.250	1259.000	125.00	0.000
71	11: 8: 0	4.300	1259.000	125.00	0.000
72	11:11: 0	4.350	1259.000	125.00	0.000
73	11:14: 0	4.400	1259.000	125.00	0.000

WESTERN TESTING CO. INC.

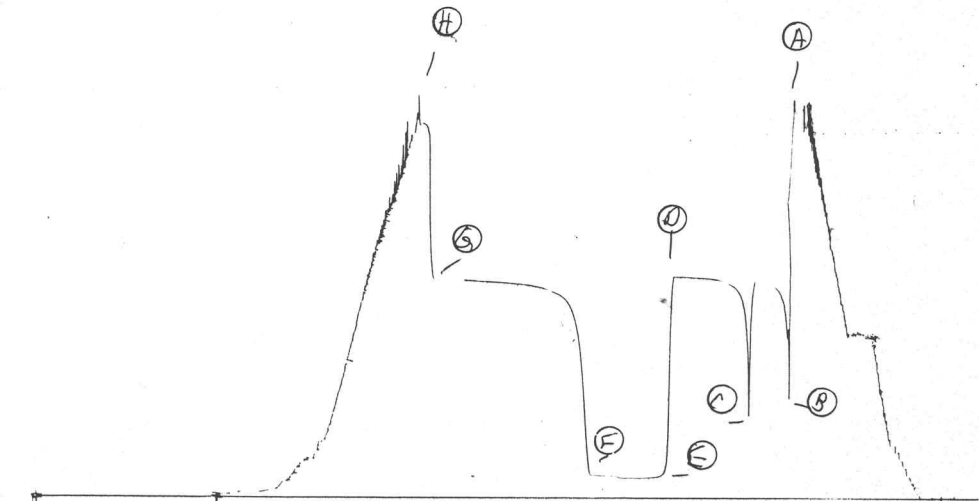
13251 DST 4



KT 12191

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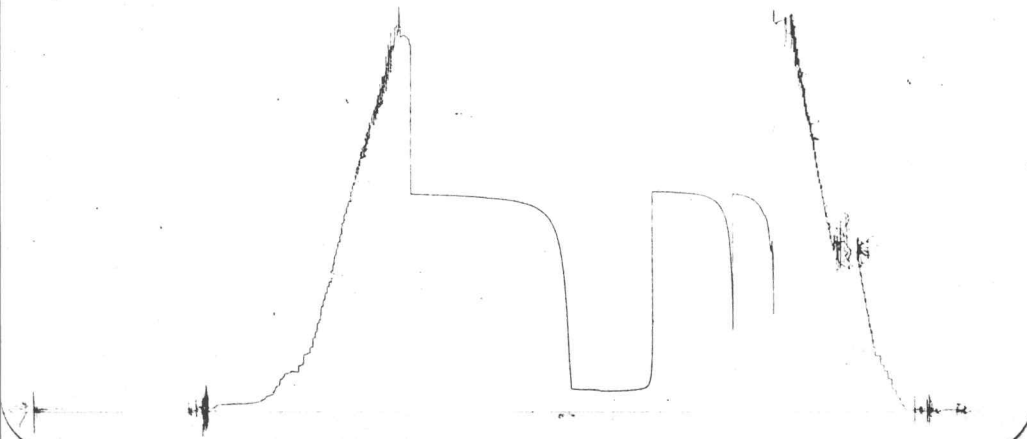
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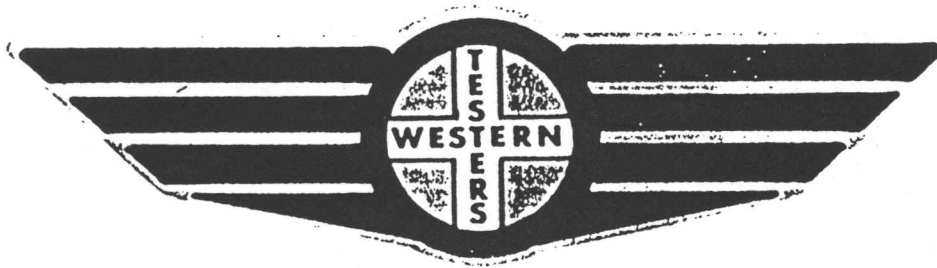
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KT 12191
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

GLOBAL NATURAL RESOURCES CORP. LEASE & WELL NO.

POWELL #1-22

SEC. 22 TWP. 29S RGE. 33W

TEST NO. 5

DATE 6/8/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	6-8-87	TICKET	:	12192
CUSTOMER	:	GLOBAL NATURAL RESOURCES CORP.	LEASE	:	POWELL
WELL	:	#1-22 TEST: 5	GEOLOGIST	:	J. HEDRICK
ELEVATION	:	2947 KB	FORMATION	:	MARMATON
SECTION	:	22	TOWNSHIP	:	29S
RANGE	:	33W	STATE	:	KANSAS
GAUGE SN#	:	13251	CLOCK	:	12
		COUNTY : HASKELL			
		RANGE : 4375			

INTERVAL FROM	:	4706	TO	:	4739	TOTAL DEPTH	:	4739
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4701	SIZE	:	6.63			
PACKER DEPTH	:	4706	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BEREDCO	RIG #1		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	47
WEIGHT	:	9.0	WATER LOSS (CC)	:	9.2
CHLORIDES (PPM)	:	2700			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	422
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	634	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4044	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	28	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 FH

BLOW COMMENT #1 : STRONG BLOW ON THE INITIAL FLOW.
BLOW COMMENT #2 : STRONG BLOW ON THE FINAL FLOW.
BLOW COMMENT #3 : GAS TO SURFACE AT 55 MINUTES INTO FINAL FLOW-
TOO WEAK TO MEASURE.
BLOW COMMENT #4 :

RECOVERED : 65 FT OF: OIL CUT MUD
20% GAS-20% OIL-60% MUD

Total Barrels Fluid = 0.32
Total Fluid Prod Rate = 5.11 BFPD
Indicated Oil Rate = 1.02 BOPD
Indicated Wtr Rate = 0.31 BWPD

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

SET PACKER(S) : 4:50 PM
WELL TEMPERATURE : 125
INITIAL HYDROSTATIC PRESSURE (A) 2247
INITIAL FLOW PERIOD MIN: 30 (B) 51 PSI TO (C) : 51
INITIAL CLOSED IN PERIOD MIN: 60 (D) 844
FINAL FLOW PERIOD MIN: 60 (E) 69 PSI TO (F) : 59
FINAL CLOSED IN PERIOD MIN: 120 (G) 1220
FINAL HYDROSTATIC PRESSURE (H) 2170

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLOBAL NATURAL RESOURCES CORP.
RIG : HASKELL-KANSAS
FIELD : POWELL
WELL : #1-22
DATE : 6-8-87
GAUGE NO : 13251

OPERATIONAL COMMENTS

COMPANY : GLOBAL NATURAL RESOURCES CORP.

FIELD : POWELL

WELL : #1-22

JOB # : 12192

GAUGE # : 13251

DEPTH : 4739

DATE : 8/ 6/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	4:50: 0	0.000	51.000	125.00	0.000
2	4:54:59	0.083	51.000	125.00	0.000
3	5: 0: 0	0.167	51.000	125.00	0.000
4	5: 5: 0	0.250	51.000	125.00	0.000
5	5: 9:59	0.333	51.000	125.00	0.000
6	5:15: 0	0.417	51.000	125.00	0.000
7	5:20: 0	0.500	51.000	125.00	0.000
8	5:23: 0	0.550	75.000	125.00	24.000
9	5:26: 0	0.600	108.000	125.00	33.000
10	5:29: 0	0.650	148.000	125.00	40.000
11	5:32: 0	0.700	186.000	125.00	38.000
12	5:35: 0	0.750	225.000	125.00	39.000
13	5:38: 0	0.800	265.000	125.00	40.000
14	5:41: 0	0.850	308.000	125.00	43.000
15	5:44: 0	0.900	352.000	125.00	44.000
16	5:47: 0	0.950	394.000	125.00	42.000
17	5:50: 0	1.000	441.000	125.00	47.000
18	5:53: 0	1.050	482.000	125.00	41.000
19	5:56: 0	1.100	527.000	125.00	45.000
20	5:59: 0	1.150	579.000	125.00	52.000
21	6: 2: 0	1.200	618.000	125.00	39.000
22	6: 5: 0	1.250	658.000	125.00	40.000
23	6: 8: 0	1.300	701.000	125.00	43.000
24	6:11: 0	1.350	741.000	125.00	40.000
25	6:14: 0	1.400	777.000	125.00	36.000
26	6:17: 0	1.450	814.000	125.00	37.000
27	6:20: 0	1.500	844.000	125.00	30.000
28	6:21: 0	1.517	69.000	125.00	-775.000
29	6:24:59	1.583	69.000	125.00	0.000
30	6:30: 0	1.667	69.000	125.00	0.000
31	6:35: 0	1.750	65.000	125.00	-4.000
32	6:39:59	1.833	62.000	125.00	-3.000
33	6:45: 0	1.917	59.000	125.00	-3.000
34	6:50: 0	2.000	59.000	125.00	0.000
35	6:54:59	2.083	59.000	125.00	0.000
36	7: 0: 0	2.167	59.000	125.00	0.000
37	7: 5: 0	2.250	59.000	125.00	0.000
38	7: 9:59	2.333	59.000	125.00	0.000
39	7:15: 0	2.417	59.000	125.00	0.000
40	7:20: 0	2.500	59.000	125.00	0.000
41	7:23: 0	2.550	122.000	125.00	63.000
42	7:26: 0	2.600	191.000	125.00	69.000
43	7:29: 0	2.650	258.000	125.00	67.000
44	7:32: 0	2.700	325.000	125.00	67.000
45	7:35: 0	2.750	384.000	125.00	59.000
46	7:38: 0	2.800	445.000	125.00	61.000
47	7:41: 0	2.850	510.000	125.00	65.000
48	7:44: 0	2.900	566.000	125.00	56.000
49	7:47: 0	2.950	619.000	125.00	53.000
50	7:50: 0	3.000	675.000	125.00	56.000
51	7:53: 0	3.050	728.000	125.00	53.000
52	7:56: 0	3.100	779.000	125.00	51.000

COMPANY : GLOBAL NATURAL RESOURCES CORP.

WELL : #1-22

GAUGE, # : 13251

DATE : 8/ 6/87

FIELD : POWELL

JOB # : 12192

DEPTH : 4739

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	7:59: 0	3.150	825.000	125.00	46.000
54	8: 2: 0	3.200	867.000	125.00	42.000
55	8: 5: 0	3.250	909.000	125.00	42.000
56	8: 8: 0	3.300	945.000	125.00	36.000
57	8:11: 0	3.350	981.000	125.00	36.000
58	8:14: 0	3.400	1014.000	125.00	33.000
59	8:17: 0	3.450	1038.000	125.00	24.000
60	8:20: 0	3.500	1064.000	125.00	26.000
61	8:23: 0	3.550	1086.000	125.00	22.000
62	8:26: 0	3.600	1103.000	125.00	17.000
63	8:29: 0	3.650	1118.000	125.00	15.000
64	8:32: 0	3.700	1132.000	125.00	14.000
65	8:35: 0	3.750	1142.000	125.00	10.000
66	8:38: 0	3.800	1154.000	125.00	12.000
67	8:41: 0	3.850	1166.000	125.00	12.000
68	8:44: 0	3.900	1174.000	125.00	8.000
69	8:47: 0	3.950	1182.000	125.00	8.000
70	8:50: 0	4.000	1189.000	125.00	7.000
71	8:53: 0	4.050	1193.000	125.00	4.000
72	8:56: 0	4.100	1200.000	125.00	7.000
73	8:59: 0	4.150	1202.000	125.00	2.000
74	9: 2: 0	4.200	1204.000	125.00	2.000
75	9: 5: 0	4.250	1206.000	125.00	2.000
76	9: 8: 0	4.300	1208.000	125.00	2.000
77	9:11: 0	4.350	1211.000	125.00	3.000
78	9:14: 0	4.400	1215.000	125.00	4.000
79	9:17: 0	4.450	1218.000	125.00	3.000
80	9:20: 0	4.500	1220.000	125.00	2.000

WESTERN TESTING CO. INC.

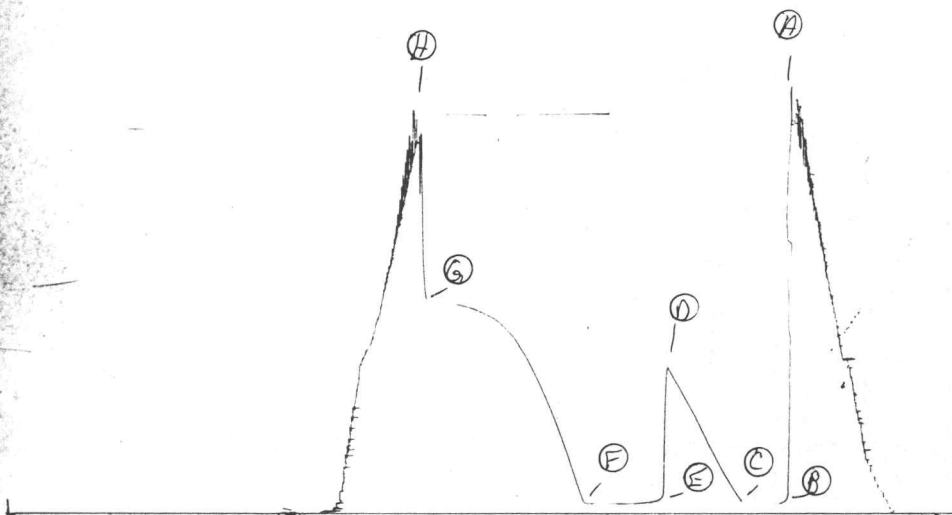
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KT 12/92

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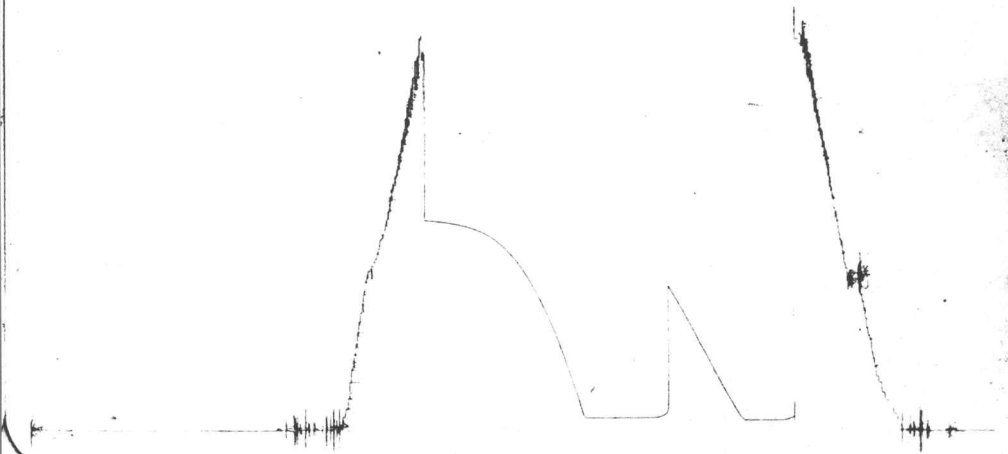
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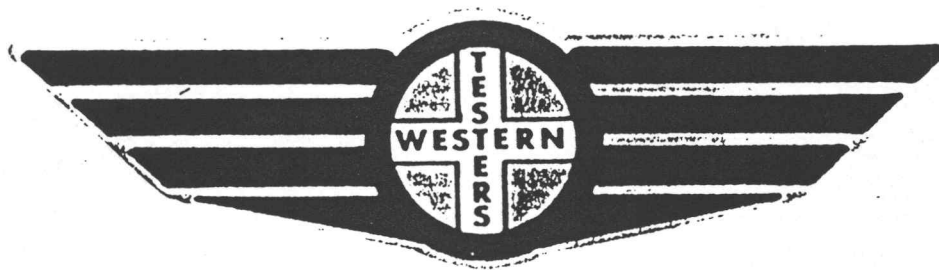
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-9-87 TICKET : 12193
CUSTOMER : GLOBAL NATURAL RESOURCES CORP. LEASE : POWELL
WELL : #1-22 TEST: 6 GEOLOGIST : MARK A P??
ELEVATION : 2947 KB FORMATION : PAWNEE
SECTION : 22 TOWNSHIP : 29S
RANGE : 33W COUNTY : HASKELL STATE : KANSAS
GAUGE SN# : 13251 RANGE : 4375 CLOCK : 12

INTERVAL FROM : 4862 TO : 4892 TOTAL DEPTH : 4892
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 4877 SIZE : 6.63
PACKER DEPTH : 4862 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 50
WEIGHT : 9.0 WATER LOSS (CC) : 8.8
CHLORIDES (PPM) : 3000
JARS-MAKE : WTC SERIAL NUMBER : 422
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 634 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 4197 FT I.D. inch : 3.80
TEST TOOL LENGTH : 31 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 30 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 : STRONG BLOW ON THE INITIAL FLOW-GAS TO SURFACE IN
2 MINUTES.
BLOW COMMENT #2 :
BLOW COMMENT #3 : SEE ATTACHED FLOW CHART.
BLOW COMMENT #4 :

RECOVERED : 200 FT OF: MUDDY WATER
CHLORIDES: 95000 PPM

Total Barrels Fluid = 0.98
Total Fluid Prod Rate = 15.74 BFPD
Indicated Wtr Rate = 7.87 BWPD

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

SET PACKER(S) : 7:05 PM

TIME STARTED OFF BOTTOM : 11:35 PM

WELL TEMPERATURE : 128

INITIAL HYDROSTATIC PRESSURE

(A) 2302

INITIAL FLOW PERIOD MIN: 30

(B) 996 PSI TO (C) : 996

INITIAL CLOSED IN PERIOD MIN: 60

(D) 1461

FINAL FLOW PERIOD MIN: 60

(E) 993 PSI TO (F) : 1001

FINAL CLOSED IN PERIOD MIN: 120

(G) 1454

FINAL HYDROSTATIC PRESSURE

(H) 2249

FLUID SAMPLE REPORT

Date : 6-9-87

Ticket No. : 12193

Company : GLOBAL NATURAL RESOURCES CORP.

Well Name & No. : POWELL #1-22

DST No. 6

County : HASKELL

State : KANSAS

Sampler No. :

Test Interval : 4862

=====

Pressure in Sampler 1250PSIG BHT 128 Deg F

Total Volume of Sampler : 3150 cc

Total Volume of Sample : 150 CC WATER + GAS

Oil: 0 cc
 Water: 150 cc
 Mud: 0 cc
 Gas: 8.5 cu ft
 Other: 0 cc

=====

RESITIVITY

Drilling Mud @ F Chloride Content 95000 ppm

Mud Pit Sample @ F Chloride Content 3000 ppm

Gas/Oil Ratio Gravity API @ Deg F

Where was sample drained ON RIG FLOOR

Remarks:

GAS FLOW REPORT

Date : 6-9-87 Ticket # : 12193
 Customer : GLOBAL NATURAL RESOURCES CORP. Lease : POWELL
 Well : #1-22 Test : 6 Geologist : MARK A P??
 Elevation (KB) : 2947 Formation : PAWNEE
 Section : 22 Township : 29S
 Range : 33W County : HASKELL State : KANSAS
 Gauge SN # : 13251 Range : 4375 Clock : 12

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

2	MERLA	1 1/4"		GAS TO SURFACE
10			66	2919000 CFPD
20			77	3280000 CFPD
30			77	3280000 CFPD

SECOND FLOW

10			76	3280000 CFPD
20			80	3424000 CFPD
30			82	3492000 CFPD
40			84	3568000 CFPD
50			84	3568000 CFPD
60			84	3568000 CFPD

Gas Bottle SN # :
 Date Bottle Filled :
 Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLOBAL NATURAL RESOURCES CORP.
RIG : HASKELL-KANSAS
FIELD : POWELL
WELL : #1-22
DATE : 6-9-87
GAUGE NO : 13251

OPERATIONAL COMMENTS

COMPANY : GLOBAL NATURAL RESOURCES CORP.

FIELD : POWELL

WELL : #1-22

JOB # : 12193

GAUGE # : 13251

DEPTH : 4892

DATE : 9/ 6/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	7: 5: 0	0.000	996.000	128.00	0.000
2	7: 9:59	0.083	996.000	128.00	0.000
3	7:15: 0	0.167	996.000	128.00	0.000
4	7:20: 0	0.250	996.000	128.00	0.000
5	7:24:59	0.333	996.000	128.00	0.000
6	7:30: 0	0.417	996.000	128.00	0.000
7	7:35: 0	0.500	996.000	128.00	0.000
8	7:38: 0	0.550	1373.000	128.00	377.000
9	7:41: 0	0.600	1401.000	128.00	28.000
10	7:44: 0	0.650	1420.000	128.00	19.000
11	7:47: 0	0.700	1430.000	128.00	10.000
12	7:50: 0	0.750	1439.000	128.00	9.000
13	7:53: 0	0.800	1443.000	128.00	4.000
14	7:56: 0	0.850	1450.000	128.00	7.000
15	7:59: 0	0.900	1452.000	128.00	2.000
16	8: 2: 0	0.950	1455.000	128.00	3.000
17	8: 5: 0	1.000	1456.000	128.00	1.000
18	8: 8: 0	1.050	1457.000	128.00	1.000
19	8:11: 0	1.100	1458.000	128.00	1.000
20	8:14: 0	1.150	1459.000	128.00	1.000
21	8:17: 0	1.200	1460.000	128.00	1.000
22	8:20: 0	1.250	1461.000	128.00	1.000
23	8:23: 0	1.300	1461.000	128.00	0.000
24	8:26: 0	1.350	1461.000	128.00	0.000
25	8:29: 0	1.400	1461.000	128.00	0.000
26	8:32: 0	1.450	1461.000	128.00	0.000
27	8:35: 0	1.500	1461.000	128.00	0.000
28	8:36: 0	1.517	993.000	128.00	-468.000
29	8:39:59	1.583	993.000	128.00	0.000
30	8:45: 0	1.667	995.000	128.00	2.000
31	8:50: 0	1.750	996.000	128.00	1.000
32	8:54:59	1.833	998.000	128.00	2.000
33	9: 0: 0	1.917	999.000	128.00	1.000
34	9: 5: 0	2.000	1000.000	128.00	1.000
35	9: 9:59	2.083	1001.000	128.00	1.000
36	9:15: 0	2.167	1001.000	128.00	0.000
37	9:20: 0	2.250	1001.000	128.00	0.000
38	9:24:59	2.333	1001.000	128.00	0.000
39	9:30: 0	2.417	1001.000	128.00	0.000
40	9:35: 0	2.500	1001.000	128.00	0.000
41	9:38: 0	2.550	1360.000	128.00	359.000
42	9:41: 0	2.600	1394.000	128.00	34.000
43	9:44: 0	2.650	1411.000	128.00	17.000
44	9:47: 0	2.700	1423.000	128.00	12.000
45	9:50: 0	2.750	1430.000	128.00	7.000
46	9:53: 0	2.800	1436.000	128.00	6.000
47	9:56: 0	2.850	1440.000	128.00	4.000
48	9:59: 0	2.900	1443.000	128.00	3.000
49	10: 2: 0	2.950	1445.000	128.00	2.000
50	10: 5: 0	3.000	1447.000	128.00	2.000
51	10: 8: 0	3.050	1448.000	128.00	1.000
52	10:11: 0	3.100	1449.000	128.00	1.000

COMPANY : GLOBAL NATURAL RESOURCES CORP.

WELL : #1-22

GAUGE # : 13251

DATE : 9/ 6/87

FIELD : POWELL

JOB # : 12193- , ,

DEPTH : 4892

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	10:14: 0	3.150	1450.000	128.00	1.000
54	10:17: 0	3.200	1451.000	128.00	1.000
55	10:20: 0	3.250	1452.000	128.00	1.000
56	10:23: 0	3.300	1453.000	128.00	1.000
57	10:26: 0	3.350	1454.000	128.00	1.000
58	10:29: 0	3.400	1454.000	128.00	0.000
59	10:32: 0	3.450	1454.000	128.00	0.000
60	10:35: 0	3.500	1454.000	128.00	0.000
61	10:38: 0	3.550	1454.000	128.00	0.000
62	10:41: 0	3.600	1454.000	128.00	0.000
63	10:44: 0	3.650	1454.000	128.00	0.000
64	10:47: 0	3.700	1454.000	128.00	0.000
65	10:50: 0	3.750	1454.000	128.00	0.000
66	10:53: 0	3.800	1454.000	128.00	0.000
67	10:56: 0	3.850	1454.000	128.00	0.000
68	10:59: 0	3.900	1454.000	128.00	0.000
69	11: 2: 0	3.950	1454.000	128.00	0.000
70	11: 5: 0	4.000	1454.000	128.00	0.000
71	11: 8: 0	4.050	1454.000	128.00	0.000
72	11:11: 0	4.100	1454.000	128.00	0.000
73	11:14: 0	4.150	1454.000	128.00	0.000
74	11:17: 0	4.200	1454.000	128.00	0.000
75	11:20: 0	4.250	1454.000	128.00	0.000
76	11:23: 0	4.300	1454.000	128.00	0.000
77	11:26: 0	4.350	1454.000	128.00	0.000
78	11:29: 0	4.400	1454.000	128.00	0.000
79	11:32: 0	4.450	1454.000	128.00	0.000
80	11:35: 0	4.500	1454.000	128.00	0.000

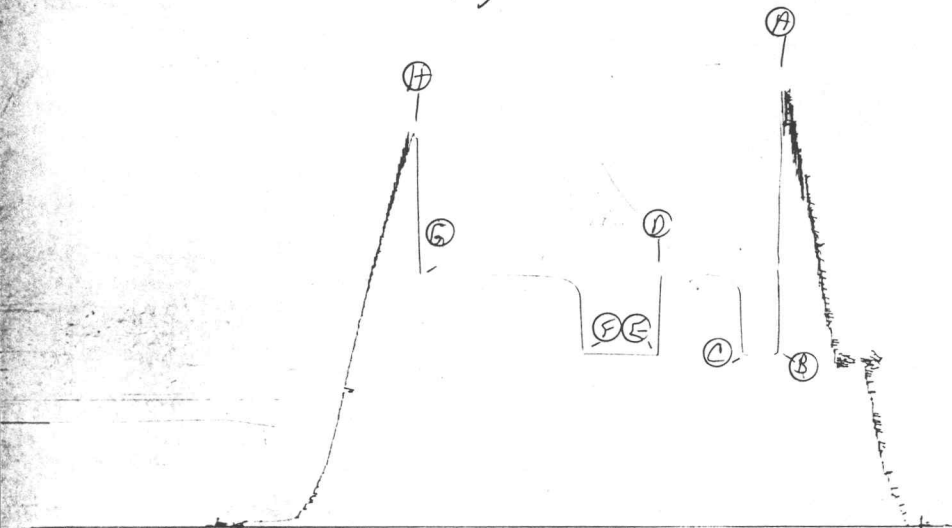
WESTERN TESTING CO. INC.

13521 DST#6

KT 12193

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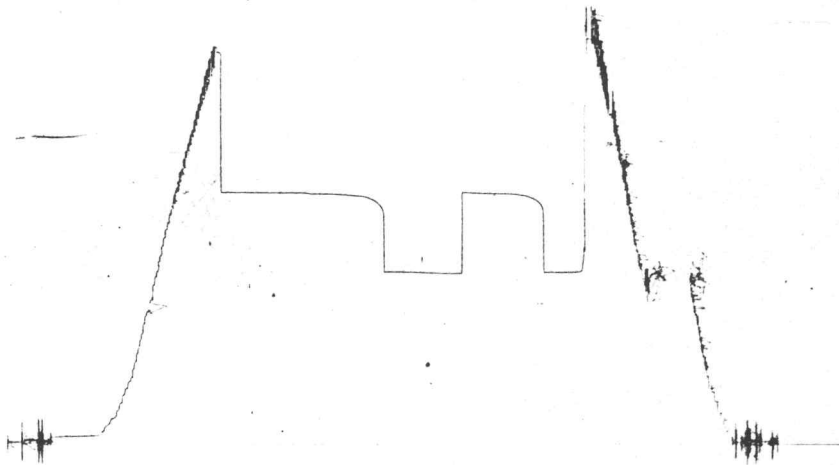
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	6-10-87	TICKET	:	12194
CUSTOMER	:	GLOBAL NATURAL RESOURCES CORP.	LEASE	:	POWELL
WELL	:	#1-22	TEST:	:	7
ELEVATION	:	2947 KB	GEOLOGIST	:	J. HEDRICK
SECTION	:	22	FORMATION	:	FT. SCOTT
RANGE	:	33W	COUNTY :	:	HASKELL
Gauge SN#	:	13251	RANGE :	:	4375
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	4916	TO	:	4930	TOTAL DEPTH	:	4930
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4911	SIZE	:	6.63			
PACKER DEPTH	:	4916	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BEREDCO	RIG #1		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	51
WEIGHT	:	8.9	WATER LOSS (CC)	:	8.0
CHLORIDES (PPM)	:	2700			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	422
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	634	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4251	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	31	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	14	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 : STRONG BLOW ON THE INITIAL FLOW-GAS TO SURFACE
IN 1 MINUTE.

BLOW COMMENT #2 : SEE ATTACHED FLOW CHART.

BLOW COMMENT #3 :

BLOW COMMENT #4 :

RECOVERED : 30 FT OF: GASSY WATER
70% WATER-25% PARAFIN-5% MUD
CHLORIDES: 46000 PPM

Total Barrels Fluid = 0.15
Total Fluid Prod Rate = 7.08 BFPD
Indicated Wtr Rate = 4.72 BWPD

REMARK 1 : BYPASSED FINAL FLOW
TO FINAL SHUT-IN.

REMARK 2 :

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 3:25 PM

TIME STARTED OFF BOTTOM : 5:05 PM

WELL TEMPERATURE : 126

INITIAL HYDROSTATIC PRESSURE

(A) 2177

INITIAL FLOW PERIOD MIN: 30

(B) 1394 PSI TO (C) : 1394

INITIAL CLOSED IN PERIOD MIN: 6

(D) 1452

FINAL FLOW PERIOD MIN: 0

(E) 0 PSI TO (F) : 1439

FINAL CLOSED IN PERIOD MIN: 66

(G) 1484

FINAL HYDROSTATIC PRESSURE

(H) 2147

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLOBAL NATURAL RESOURCES CORP.
RIG : HASKELL-KANSAS
FIELD : POWELL
WELL : #1-22
DATE : 6-10-87
GAUGE NO : 13251

OPERATIONAL COMMENTS

BYPASSED FINAL FLOW
TO FINAL SHUT-IN.

COMPANY : GLOBAL NATURAL RESOURCES CORP.

WELL : #1-22
GAUGE # : 13251
DATE : 10/ 6/87

FIELD : POWELL
JOB # : 12194
DEPTH : 4930
TEST : BYPASSED FINAL FLOW
TO FINAL SHUT-IN.

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(i-1)
1	3:25: 0	0.000	1394.000	126.00	0.000
2	3:29:59	0.083	1394.000	126.00	0.000
3	3:35: 0	0.167	1394.000	126.00	0.000
4	3:40: 0	0.250	1394.000	126.00	0.000
5	3:44:59	0.333	1394.000	126.00	0.000
6	3:50: 0	0.417	1394.000	126.00	0.000
7	3:55: 0	0.500	1394.000	126.00	0.000
8	3:58: 0	0.550	1443.000	126.00	49.000
9	4: 1: 0	0.600	1452.000	126.00	9.000
10	4: 1: 0	0.600	1439.000	126.00	-13.000
11	4: 4: 0	0.650	1456.000	126.00	17.000
12	4: 7: 0	0.700	1465.000	126.00	9.000
13	4:10: 0	0.750	1474.000	126.00	9.000
14	4:13: 0	0.800	1476.000	126.00	2.000
15	4:16: 0	0.850	1478.000	126.00	2.000
16	4:19: 0	0.900	1479.000	126.00	1.000
17	4:22: 0	0.950	1479.000	126.00	0.000
18	4:25: 0	1.000	1479.000	126.00	0.000
19	4:28: 0	1.050	1479.000	126.00	0.000
20	4:31: 0	1.100	1479.000	126.00	0.000
21	4:34: 0	1.150	1479.000	126.00	0.000
22	4:37: 0	1.200	1479.000	126.00	0.000
23	4:40: 0	1.250	1479.000	126.00	0.000
24	4:43: 0	1.300	1480.000	126.00	1.000
25	4:46: 0	1.350	1482.000	126.00	2.000
26	4:49: 0	1.400	1484.000	126.00	2.000
27	4:52: 0	1.450	1484.000	126.00	0.000
28	4:55: 0	1.500	1484.000	126.00	0.000
29	4:58: 0	1.550	1484.000	126.00	0.000
30	5: 1: 0	1.600	1484.000	126.00	0.000
31	5: 4: 0	1.650	1484.000	126.00	0.000
32	5: 7: 0	1.700	1484.000	126.00	0.000

WESTERN TESTING CO. INC.

GAS FLOW REPORT

Date : 6-10-87 Ticket # : 12194
 Customer : GLOBAL NATRUAL RESOURCES CORP. Lease : POWELL
 Well : #1-22 Test : 7 Geologist : J. HEDRICK
 Elevation (KB) : 2947 KB Formation : FT. SCOTT
 Section : 22 Township : 29S
 Range : 33W County : HASKELL State : KANSAS
 Gauge SN # : 13251 Range : 4375 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
PRE FLOW				
01	MERLA	1 1/2"		GAS TO SURFACE
10			84	5782000 CFPD
20				5782000 CFPD
30			84	5782000 CFPD

SECOND FLOW

BYPASSED FINAL FLOW.

Gas Bottle SN # :
 Date Bottle Filled :
 Date to be Invoiced :

FLUID SAMPLE REPORT

Date : 6-10-87

Ticket No. : 12194

Company : GLOBAL NATURAL RESOURCES CORP.

Well Name & No. : POWELL #1-22

DST No. 7

County : HASKELL

State : KANSAS

Sampler No. :

Test Interval : 4916-4930

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Pressure in Sampler	PSIG	BHT	Deg F
---------------------	------	-----	-------

Total Volume of Sampler :	3150	cc
---------------------------	------	----

Total Volume of Sample :		cc
--------------------------	--	----

Oil:	0	cc
------	---	----

Water:	0	cc
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Mud:	0	cc
------	---	----

Gas:	23.4	cu ft
------	------	-------

Other:		cc
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RESITIVITY

Drilling Mud	@	F	Chloride Content	46000 ppm
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Mud Pit Sample	@	F	Chloride Content	27000 ppm
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Gas/Oil Ratio	Gravity	API @	Deg F
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Where was sample drained

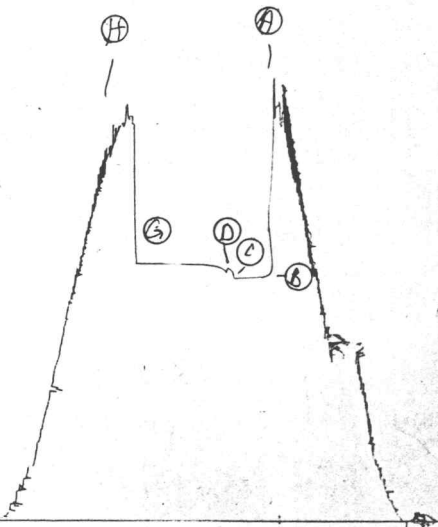
Remarks:

13251, Dst#7

~~A~~ Hf 12194

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13721 DST#7

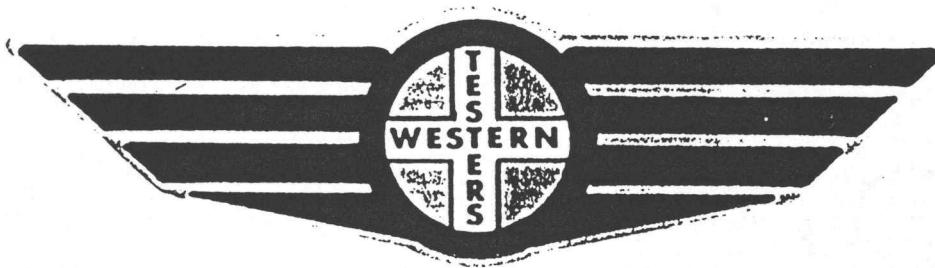
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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY GLOBAL NATURAL RESOURCES CORP
LEASE & WELL NO. POWELL #1-22
SEC. 22 TWP. 29S RGE. 3W
TEST NO. 8 DATE 6/12/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	6-12-87	TICKET	:	12195
CUSTOMER	:	GLOBAL NATURAL RESOURCES CORP.	LEASE	:	POWELL
WELL	:	#1-22 TEST: 8	GEOLOGIST	:	ROSS M??
ELEVATION	:	2947 KB	FORMATION	:	MARROW
SECTION	:	22	TOWNSHIP	:	29S
RANGE	:	33W	COUNTY	:	HASKELL
GAUGE SN#	:	13251	STATE	:	KANSAS
			RANGE	:	4375
			CLOCK	:	12

INTERVAL FROM	:	5213	TO	:	5342	TOTAL DEPTH	:	5342
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	5208	SIZE	:	6.63			
PACKER DEPTH	:	5213	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	BEREDCO	RIG #1		
MUD TYPE	:	CHEMICAL	VISCOSITY	:	55
WEIGHT	:	8.7	WATER LOSS (CC)	:	7.6
CHLORIDES (PPM)	:	1900			
JARS-MAKE	:	WTC	SERIAL NUMBER	:	422
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	634	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4551	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	28	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	129	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 : STRONG BLOW ON THE INITIAL FLOW. GAS TO SURFACE
BLOW COMMENT #2 : IN 7 MINUTES. SEE ATTACHED FLOW CHART.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED : 510 FT OF: GAS CUT MUD.
RECOVERED : 190 FT OF: GASSY MUD / SLIGHT SHOW OF OIL

Total Barrels Fluid = 4.04
Total Fluid Prod Rate = 64.69 BFPD
Indicated Wtr Rate = 6.47 BWPD

REMARK 1 :

REMARK 2 : DIDN'T RUN FLUID SAMPLER DUE TO MUD WITH 7 TO 8
POUNDS LOST CIRCULATION MATERIAL.

REMARK 3 :

REMARK 4 :

SET PACKER(S) : 10-30

WELL TEMPERATURE : 138

INITIAL HYDROSTATIC PRESSURE

INITIAL FLOW PERIOD MIN: 30

INITIAL CLOSED IN PERIOD MIN: 60

FINAL FLOW PERIOD MIN: 60

FINAL CLOSED IN PERIOD MIN: 120

FINAL HYDROSTATIC PRESSURE

TIME STARTED OFF BOTTOM : 2:00 AM

(A) 2530

(B) 232 PSI TO (C) : 280

(D) 1573

(E) 219 PSI TO (F) : 307

(G) 1582

(H) 2519

GAS FLOW REPORT

Date : 6-12-87 Ticket # : 12195
 Customer : GLOBAL NATURAL RESOURCES CORP. Lease : POWELL
 Well : #1-22 Test : 8 Geologist : ROSS M??
 Elevation (KB) : 2947 Formation : MARROW
 Section : 22 Township : 29S
 Range : 33W County : HASKELL State : KANSAS
 Gauge SN # : 13251 Range : 4375 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
PRE FLOW				
7	MERLA	1"		GAS TO SURFACE
10			4	283000 CFPD
20			6	353000 CFPD
30			8	415000 CFPD
SECOND FLOW				
10	MERLA	1"	10	472000 CFPD
20			10	472000 CFPD
30			13	552000 CFPD
40			14	577000 CFPD
50			16	627000 CFPD
60			16	627000 CFPD

Gas Bottle SN # :
 Date Bottle Filled :
 Date to be Invoiced :

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLOBAL NATURAL RESOURCE CORP.
RIG : HASKELL-KANSAS
FIELD : POWELL
WELL : #1-22
DATE : 6-12-87
GAUGE NO : 13251

OPERATIONAL COMMENTS

COMPANY : GLOBAL NATURAL RESOURCE CORP.

FIELD : POWELL

WELL : #1-22

JOB # : 12195

GAUGE # : 13251

DEPTH : 5342

DATE : 12/ 6/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	10:30: 0	0.000	232.000	138.00	0.000
2	10:34:59	0.083	236.000	138.00	4.000
3	10:40: 0	0.167	239.000	138.00	3.000
4	10:45: 0	0.250	248.000	138.00	9.000
5	10:49:59	0.333	250.000	138.00	2.000
6	10:55: 0	0.417	261.000	138.00	11.000
7	11: 0: 0	0.500	280.000	138.00	19.000
8	11: 3: 0	0.550	745.000	138.00	465.000
9	11: 6: 0	0.600	1078.000	138.00	333.000
10	11: 9: 0	0.650	1241.000	138.00	163.000
11	11:12: 0	0.700	1342.000	138.00	101.000
12	11:15: 0	0.750	1418.000	138.00	76.000
13	11:18: 0	0.800	1469.000	138.00	51.000
14	11:21: 0	0.850	1502.000	138.00	33.000
15	11:24: 0	0.900	1521.000	138.00	19.000
16	11:27: 0	0.950	1537.000	138.00	16.000
17	11:30: 0	1.000	1545.000	138.00	8.000
18	11:33: 0	1.050	1554.000	138.00	9.000
19	11:36: 0	1.100	1556.000	138.00	2.000
20	11:39: 0	1.150	1558.000	138.00	2.000
21	11:42: 0	1.200	1561.000	138.00	3.000
22	11:45: 0	1.250	1563.000	138.00	2.000
23	11:48: 0	1.300	1565.000	138.00	2.000
24	11:51: 0	1.350	1567.000	138.00	2.000
25	11:54: 0	1.400	1569.000	138.00	2.000
26	11:57: 0	1.450	1571.000	138.00	2.000
27	12: 0: 0	1.500	1573.000	138.00	2.000
28	12: 1: 0	1.517	219.000	138.00	-1354.000
29	12: 4:59	1.583	219.000	138.00	0.000
30	12:10: 0	1.667	219.000	138.00	0.000
31	12:15: 0	1.750	232.000	138.00	13.000
32	12:19:59	1.833	232.000	138.00	0.000
33	12:25: 0	1.917	248.000	138.00	16.000
34	12:30: 0	2.000	248.000	138.00	0.000
35	12:34:59	2.083	248.000	138.00	0.000
36	12:40: 0	2.167	248.000	138.00	0.000
37	12:45: 0	2.250	248.000	138.00	0.000
38	12:49:59	2.333	248.000	138.00	0.000
39	12:55: 0	2.417	296.000	138.00	48.000
40	13: 0: 0	2.500	307.000	138.00	11.000
41	13: 3: 0	2.550	892.000	138.00	585.000
42	13: 6: 0	2.600	1173.000	138.00	281.000
43	13: 9: 0	2.650	1291.000	138.00	118.000
44	13:12: 0	2.700	1371.000	138.00	80.000
45	13:15: 0	2.750	1440.000	138.00	69.000
46	13:18: 0	2.800	1475.000	138.00	35.000
47	13:21: 0	2.850	1496.000	138.00	21.000
48	13:24: 0	2.900	1515.000	138.00	19.000
49	13:27: 0	2.950	1526.000	138.00	11.000
50	13:30: 0	3.000	1532.000	138.00	6.000
51	13:33: 0	3.050	1541.000	138.00	9.000
52	13:36: 0	3.100	1546.000	138.00	5.000

COMPANY : GLOBAL NATURAL RESOURCE CORP.

FIELD : POWELL

WELL : #1-22

JOB # : 12195

GAUGE # : 13251

DEPTH : 5342

DATE : 12/ 6/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
53	13:39: 0	3.150	1552.000	138.00	6.000
54	13:42: 0	3.200	1554.000	138.00	2.000
55	13:45: 0	3.250	1558.000	138.00	4.000
56	13:48: 0	3.300	1561.000	138.00	3.000
57	13:51: 0	3.350	1563.000	138.00	2.000
58	13:54: 0	3.400	1565.000	138.00	2.000
59	13:57: 0	3.450	1566.000	138.00	1.000
60	14: 0: 0	3.500	1567.000	138.00	1.000
61	14: 3: 0	3.550	1568.000	138.00	1.000
62	14: 6: 0	3.600	1569.000	138.00	1.000
63	14: 9: 0	3.650	1570.000	138.00	1.000
64	14:12: 0	3.700	1571.000	138.00	1.000
65	14:15: 0	3.750	1572.000	138.00	1.000
66	14:18: 0	3.800	1573.000	138.00	1.000
67	14:21: 0	3.850	1574.000	138.00	1.000
68	14:24: 0	3.900	1575.000	138.00	1.000
69	14:27: 0	3.950	1576.000	138.00	1.000
70	14:30: 0	4.000	1577.000	138.00	1.000
71	14:33: 0	4.050	1577.000	138.00	0.000
72	14:36: 0	4.100	1578.000	138.00	1.000
73	14:39: 0	4.150	1579.000	138.00	1.000
74	14:42: 0	4.200	1579.000	138.00	0.000
75	14:45: 0	4.250	1580.000	138.00	1.000
76	14:48: 0	4.300	1580.000	138.00	0.000
77	14:51: 0	4.350	1581.000	138.00	1.000
78	14:54: 0	4.400	1581.000	138.00	0.000
79	14:57: 0	4.450	1582.000	138.00	1.000
80	15: 0: 0	4.500	1582.000	138.00	0.000

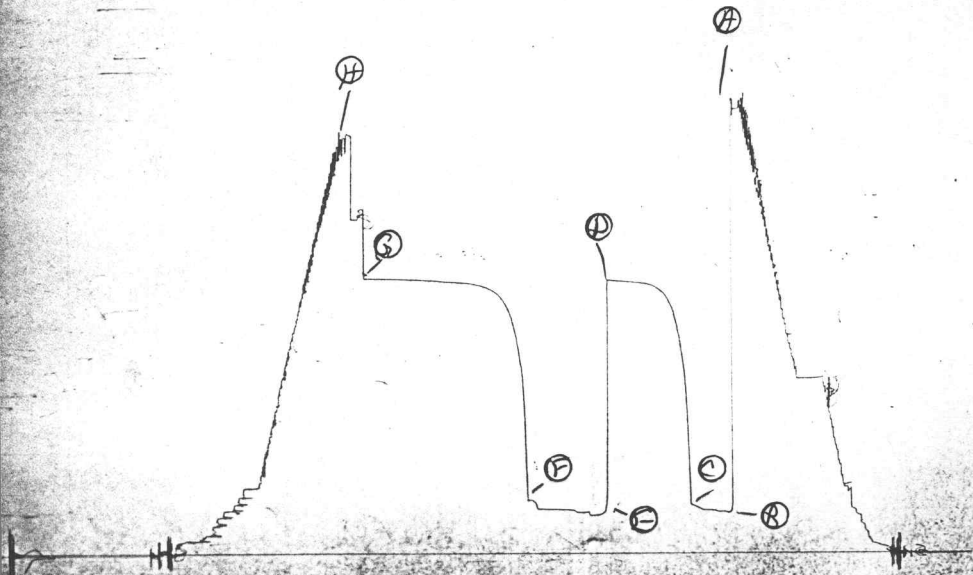
WESTERN TESTING CO. INC.

13251 DST#8

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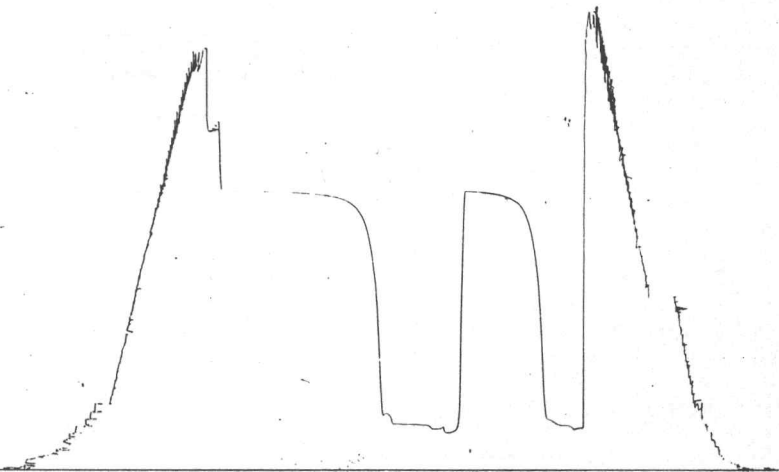
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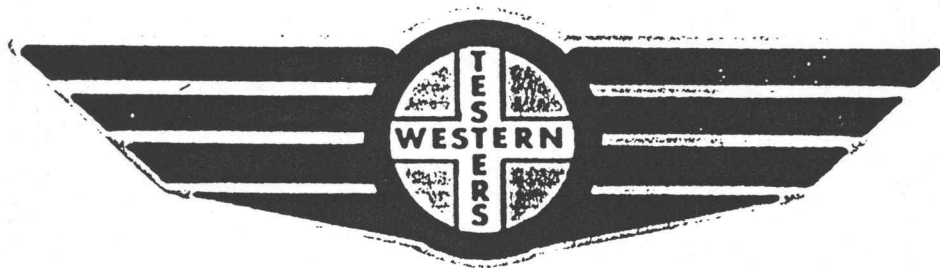
13721 DST#8

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FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY

GLOBAL NATURAL RESOURCES CORP
LEASE & WELL NO.

POWELL #1-22

SEC. 22

TWP. 29S

RGE. 33W

TEST NO.

9 DATE

6/13/87

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE : 6-13-87
CUSTOMER : GLOBAL NATURAL RESOURCES CORP.
WELL : #1-22 TEST: 9
ELEVATION : 2947 KB
SECTION : 22
RANGE : 33W COUNTY : HASKELL
GAUGE SN# : 13251 RANGE : 4375
TICKET : 12196
LEASE : POWELL
GEOLOGIST : ROSS M??
FORMATION : MORROW
TOWNSHIP : 29S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 5376 TO : 5384 TOTAL DEPTH : 5384
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 5371 SIZE : 6.63
PACKER DEPTH : 5376 SIZE : 6.63
PACKER DEPTH : SIZE :
PACKER DEPTH : SIZE :

DRILLING CON. : BEREDCO RIG #1
MUD TYPE : CHEMICAL VISCOSITY : 78
WEIGHT : 8.5 WATER LOSS (CC) : 6.8
CHLORIDES (PPM) : 2500
JARS-MAKE : WTC SERIAL NUMBER : 422
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 634 FT I.D. inch : 2.25
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
DRILL PIPE LENGTH : 4714 FT I.D. inch : 3.80
TEST TOOL LENGTH : 28 FT TOOL SIZE : 5.50
ANCHOR LENGTH : 8 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 : STRONG STEADY BLOW ON THE INITIAL FLOW.
BLOW COMMENT #2 : STRONG BLOW ON THE FINAL FLOW.
BLOW COMMENT #3 : NO GAS TO SURFACE.
BLOW COMMENT #4 :

RECOVERED : 30 FT OF: HEAVY OIL & GAS CUT MUD
20% GAS-20% OIL-60% MUD

Total Barrels Fluid = 0.15
Total Fluid Prod Rate = 2.36 BFPD
Indicated Oil Rate = 0.47 BOPD
Indicated Wtr Rate = 0.14 BWPD

REMARK 1 :
REMARK 2 : RECOVERED 1100 FEET OF GAS ABOVE FLUID.
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	6:45 PM	TIME STARTED OFF BOTTOM :	11:15 PM
WELL TEMPERATURE :	128		
INITIAL HYDROSTATIC PRESSURE		(A)	2644
INITIAL FLOW PERIOD MIN:	30	(B)	62 PSI TO (C) : 64
INITIAL CLOSED IN PERIOD MIN:	60	(D)	418
FINAL FLOW PERIOD MIN:	60	(E)	66 PSI TO (F) : 66
FINAL CLOSED IN PERIOD MIN:	117	(G)	876
FINAL HYDROSTATIC PRESSURE		(H)	2629

WESTERN TESTING CO. INC.
WICHITA - KANSAS

Pressure Transient Report

COMPANY : GLOBAL NATURAL RESOURCES CORP.
RIG : HASKELL-KASNAS
FIELD : POWELL
WELL : #1-22
DATE : 6-13-87
GAUGE NO : 13251

OPERATIONAL COMMENTS

RECOVERED 1100 FEET OF GAS ABOVE FLUID.

COMPANY : GLOBAL NATURAL RESOURCES CORP.

FIELD : POWELL

WELL : #1-22

JOB # : 12196

GAUGE # : 13251

DEPTH : 5384

DATE : 13/ 6/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
1	6:45: 0	0.000	62.000	128.00	0.000
2	6:49:59	0.083	62.000	128.00	0.000
3	6:55: 0	0.167	62.000	128.00	0.000
4	7: 0: 0	0.250	62.000	128.00	0.000
5	7: 4:59	0.333	62.000	128.00	0.000
6	7:10: 0	0.417	63.000	128.00	1.000
7	7:15: 0	0.500	64.000	128.00	1.000
8	7:18: 0	0.550	66.000	128.00	2.000
9	7:21: 0	0.600	75.000	128.00	9.000
10	7:24: 0	0.650	89.000	128.00	14.000
11	7:27: 0	0.700	93.000	128.00	4.000
12	7:30: 0	0.750	112.000	128.00	19.000
13	7:33: 0	0.800	128.000	128.00	16.000
14	7:36: 0	0.850	142.000	128.00	14.000
15	7:39: 0	0.900	159.000	128.00	17.000
16	7:42: 0	0.950	174.000	128.00	15.000
17	7:45: 0	1.000	192.000	128.00	18.000
18	7:48: 0	1.050	210.000	128.00	18.000
19	7:51: 0	1.100	232.000	128.00	22.000
20	7:54: 0	1.150	256.000	128.00	24.000
21	7:57: 0	1.200	278.000	128.00	22.000
22	8: 0: 0	1.250	303.000	128.00	25.000
23	8: 3: 0	1.300	323.000	128.00	20.000
24	8: 6: 0	1.350	349.000	128.00	26.000
25	8: 9: 0	1.400	374.000	128.00	25.000
26	8:12: 0	1.450	400.000	128.00	26.000
27	8:15: 0	1.500	418.000	128.00	18.000
28	8:16: 0	1.517	66.000	128.00	-352.000
29	8:19:59	1.583	66.000	128.00	0.000
30	8:25: 0	1.667	66.000	128.00	0.000
31	8:30: 0	1.750	66.000	128.00	0.000
32	8:34:59	1.833	66.000	128.00	0.000
33	8:40: 0	1.917	66.000	128.00	0.000
34	8:45: 0	2.000	66.000	128.00	0.000
35	8:49:59	2.083	66.000	128.00	0.000
36	8:55: 0	2.167	66.000	128.00	0.000
37	9: 0: 0	2.250	66.000	128.00	0.000
38	9: 4:59	2.333	66.000	128.00	0.000
39	9:10: 0	2.417	66.000	128.00	0.000
40	9:15: 0	2.500	66.000	128.00	0.000
41	9:18: 0	2.550	73.000	128.00	7.000
42	9:21: 0	2.600	93.000	128.00	20.000
43	9:24: 0	2.650	119.000	128.00	26.000
44	9:27: 0	2.700	144.000	128.00	25.000
45	9:30: 0	2.750	170.000	128.00	26.000
46	9:33: 0	2.800	197.000	128.00	27.000
47	9:36: 0	2.850	230.000	128.00	33.000
48	9:39: 0	2.900	243.000	128.00	13.000
49	9:42: 0	2.950	265.000	128.00	22.000
50	9:45: 0	3.000	287.000	128.00	22.000
51	9:48: 0	3.050	311.000	128.00	24.000
52	9:51: 0	3.100	336.000	128.00	25.000

COMPANY : GLOBAL NATURAL RESOURCES CORP.

FIELD : POWELL

WELL : #1-22

JOB # : 12196

GAUGE # : 13251

DEPTH : 5384

DATE : 13/ 6/87

TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P P1-P(1-1)
53	9:54: 0	3.150	358.000	128.00	22.000
54	9:57: 0	3.200	382.000	128.00	24.000
55	10: 0: 0	3.250	404.000	128.00	22.000
56	10: 3: 0	3.300	427.000	128.00	23.000
57	10: 6: 0	3.350	444.000	128.00	17.000
58	10: 9: 0	3.400	469.000	128.00	25.000
59	10:12: 0	3.450	486.000	128.00	17.000
60	10:15: 0	3.500	511.000	128.00	25.000
61	10:18: 0	3.550	535.000	128.00	24.000
62	10:21: 0	3.600	559.000	128.00	24.000
63	10:24: 0	3.650	580.000	128.00	21.000
64	10:27: 0	3.700	597.000	128.00	17.000
65	10:30: 0	3.750	619.000	128.00	22.000
66	10:33: 0	3.800	639.000	128.00	20.000
67	10:36: 0	3.850	661.000	128.00	22.000
68	10:39: 0	3.900	679.000	128.00	18.000
69	10:42: 0	3.950	701.000	128.00	22.000
70	10:45: 0	4.000	719.000	128.00	18.000
71	10:48: 0	4.050	738.000	128.00	19.000
72	10:51: 0	4.100	758.000	128.00	20.000
73	10:54: 0	4.150	778.000	128.00	20.000
74	10:57: 0	4.200	794.000	128.00	16.000
75	11: 0: 0	4.250	811.000	128.00	17.000
76	11: 3: 0	4.300	829.000	128.00	18.000
77	11: 6: 0	4.350	847.000	128.00	18.000
78	11: 9: 0	4.400	862.000	128.00	15.000
79	11:12: 0	4.450	876.000	128.00	14.000

WESTERN TESTING CO. INC.

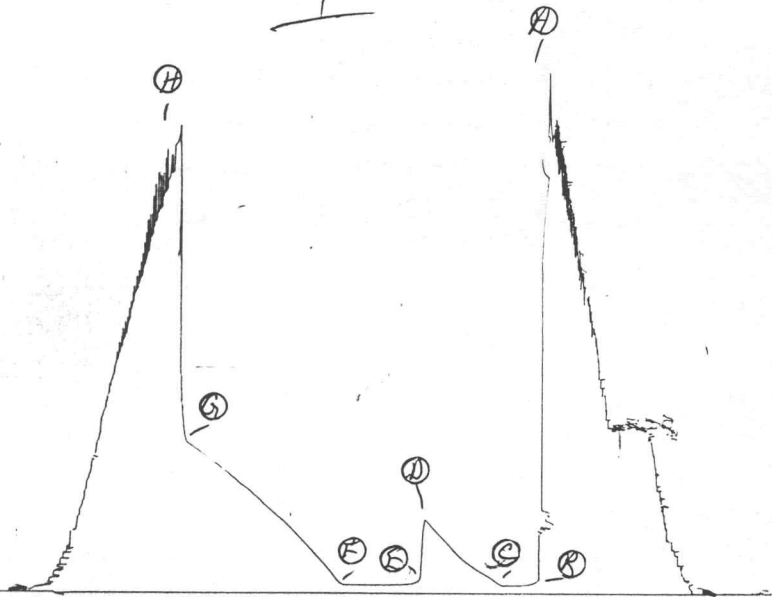
13257 DST#9



KT 12196

15

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13721 DST#9

TKT 12196

15

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