

PHONE
316 / 624-7340

DEAN'S TESTERS INC.

P. O. BOX 1182
LIBERAL, Ks. 67901

SEC. 10

Earth Energy Resources
OPERATOR

Palmer #1

WELL NAME & NO.

2

TEST #

2122 - 2200
TEST INTERVAL

TWP. 17S

RGE. 33W

COUNTY Scott

STATE Kansas

TICKET NO. 1621

Formation Viola Type Test Bottom Hole Straddle Date January 9, 1982
Anchor Length and Size 78' 62'x6 $\frac{1}{4}$ " & 16'x4 $\frac{1}{2}$ " Total Depth 5517'
Packer Depths 5117' & 5122' Below Straddle 5200'
Equipment Run 3 Packers, Jars, Safety Joint, Circulating sub., Straddle Assembly

Lengths: Tool 428' D. P. 5198' ID 3.8" Wt. P. 240' ID 2.25"
Mud Type Starch Vls. 40 Wt. 9.5 Wtr. Loss 25 Cl. 14,500 ppm
Recorders:
Depth 5112' Make Kuster Cap. 6500 Ser. No. 10269 Inside
Depth 5133' Make Kuster Cap. 6450 Ser. No. 10268 Outside
Depth 5205' Make H & T Cap. 6000 Ser. No. 23 Below Straddle

Pressures:

Tool on Bottom @ 11:05 P M. Initial Hydrostatic 2506 psi
Initial Flow 30 Min. IFP 649 psi to 1303 psi
Initial Shut-In 29 Min. ISIP 1362 psi
Final Flow 60 Min. FFP 1362 psi to 1375 psi
Final Shut-In 31 Min. FSIP 1382 psi
Tool off Bottom @ 1:35 A M. Final Hydrostatic 2506 psi Temp. 138

Blow: Strong on Initial Flow. Strong decreasing to Fair on Final Flow.

Recovery:

120' Muddy Saltwater
3380' Saltwater 13,000 PPM Cl Rw .42 @ 62°

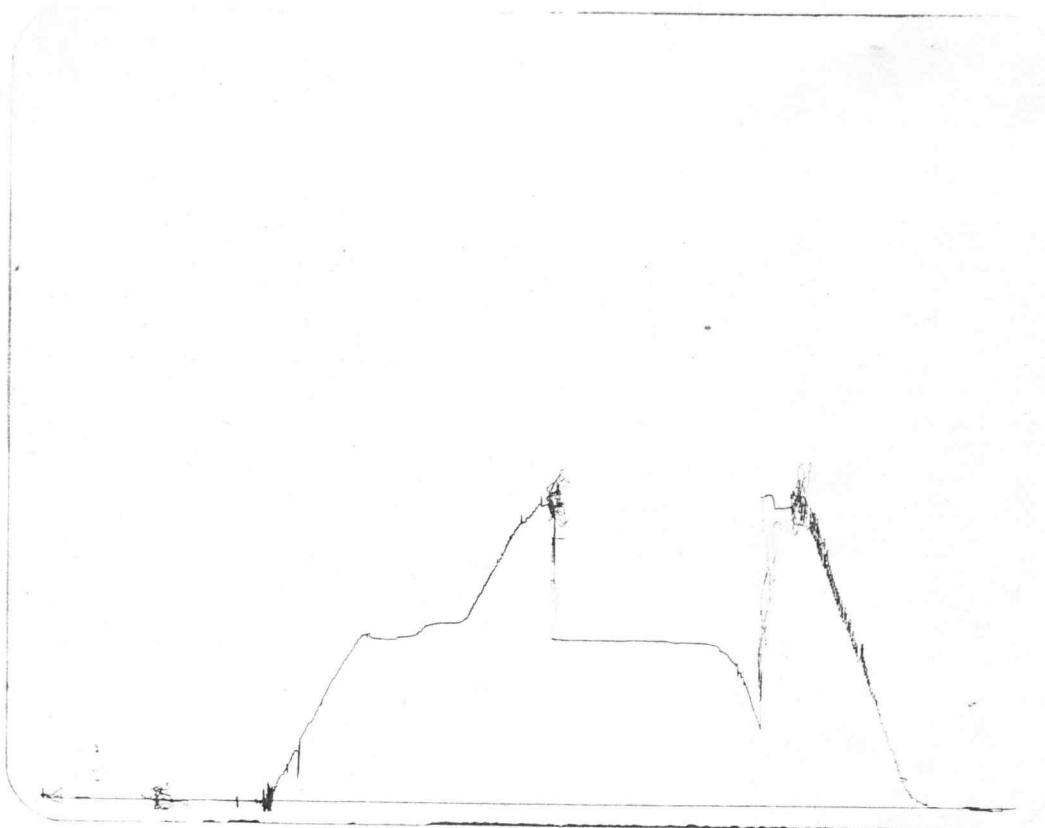
Gas Flow:

Sampler Data:

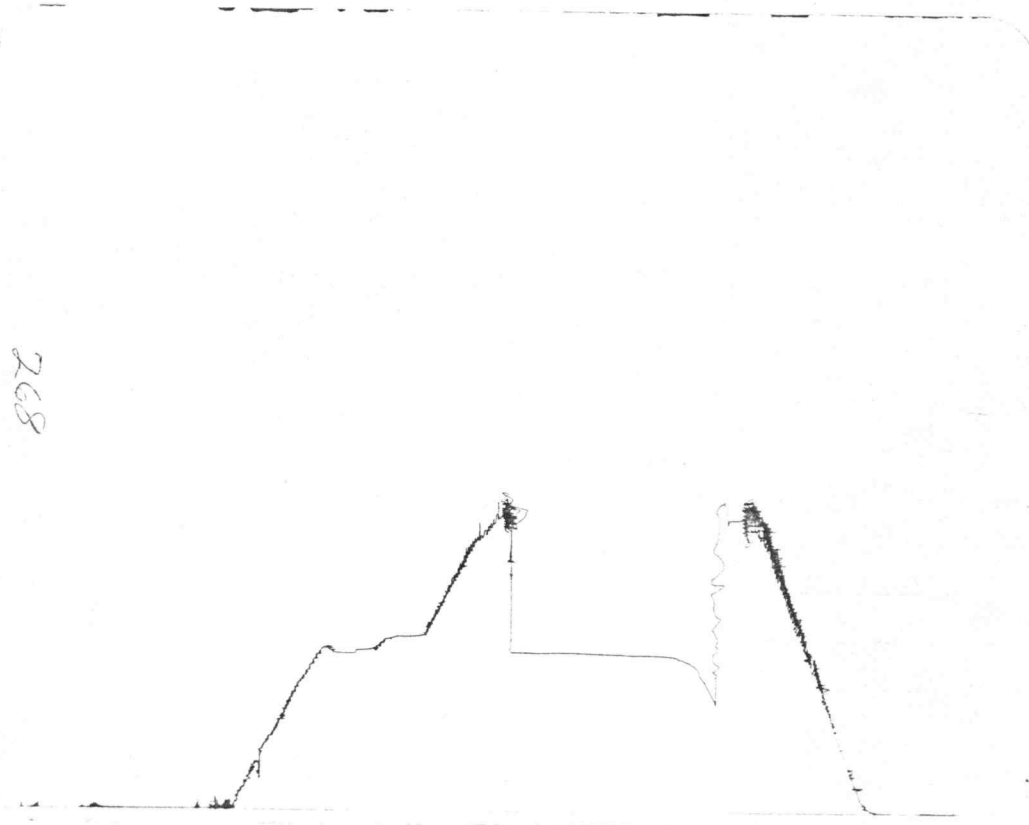
Pressure _____ PSI
Gas _____ cu. ft.
Total Fluid _____ cc
Oil _____ cc
Water _____ cc
Mud _____ cc
Oil Gravity _____ @ _____ °F.
Gas/Oil Ratio _____

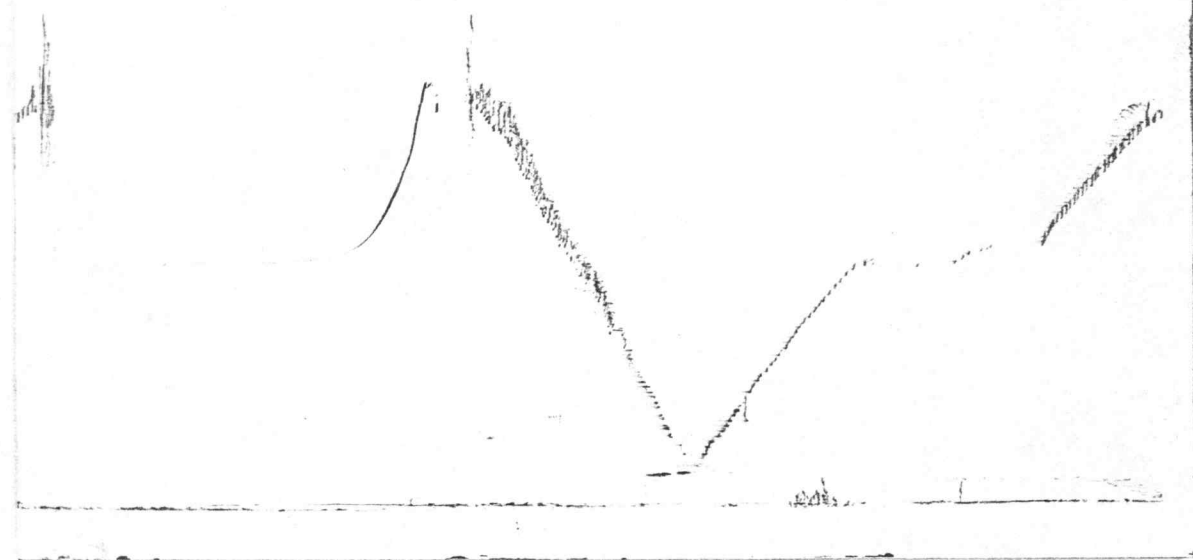
Remarks:

Tester R.L. Young Witnessed by: Gregory B Bechtol



Initial Hydrostatic _____ 2506 _____ psi
 IFP _____ 649 _____ psi to _____ 1303 _____ psi
 ISIP _____ 1362 _____ psi
 FFP _____ 1362 _____ psi to _____ 1375 _____ psi
 FSIP _____ 1382 _____ psi
 Final Hydrostatic _____ 2506 _____ psi





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DEAN'S TESTERS INC.

P. BOX 1182
LIBERAL, Ks. 67901

Formation Howard Type Test Hook Straddle Date January 9, 1982
Anchor Length and Size 110' 92'x6 $\frac{1}{4}$ " & 18'x4 $\frac{1}{2}$ " Total Depth 5517'
Packer Depths 3527' & 3532' Below Straddle 3642'
Equipment Run 3 Packers, Jars, Safety Joint, Circulating sub, Straddle Assembly,
Sidewall Hook Assembly

Lengths: Tool 142' D. P. 3319' ID 3.8" Wt. P. ID D. C. 209' ID 2.25"
Mud Type Starch Vis. 40 Wt. 9.5 Wtr. Loss 25 Cl. 14,500 ppm

Recorders:

Depth <u>3522'</u>	Make <u>Kuster</u>	Cap. <u>6500</u>	Ser. No. <u>10269</u>	Inside
Depth <u>3543'</u>	Make <u>Kuster</u>	Cap. <u>6450</u>	Ser. No. <u>10268</u>	Outside
Depth <u>3651'</u>	Make <u>H & T</u>	Cap. <u>6000</u>	Ser. No. <u>23</u>	Below Straddle

Pressures:

Tool on Bottom @ <u>12:50 P.M.</u>	Initial Hydrostatic <u>1794</u> psi
Initial Flow <u>30</u> Min.	IFP <u>550</u> psi to <u>895</u> psi
Initial Shut-in <u>29</u> Min.	ISIP <u>950</u> psi
Final Flow <u>30</u> Min.	FFP <u>944</u> psi to <u>967</u> psi
Final Shut-in <u>30</u> Min.	FSIP <u>970</u> psi
Tool off Bottom @ <u>2:50 P.M.</u>	Final Hydrostatic <u>1754</u> psi Temp. <u> </u>

Blow: Strong on Initial Flow. Fair on Final Flow.

Recovery:

120' Muddy Saltwater
660' Mud
1405' Saltwater 46,000 PPM Cl Rw. .13 @ 62°

Gas Flow:

Sampler Data:

Pressure PSI
Gas cu. ft.
Total Fluid cc
Oil cc
Water cc
Mud cc
Oil Gravity @ °F.
Gas/Oil Ratio

Remarks:

Tester R.L. Young Witnessed by: Gregory B Bechtol

SEC. 10 TWP. 17S RGE. 33W

COUNTY Scott

STATE Kansas

TICKET NO. 1622

Earth Energy Resources
OPERATOR

Palmer #1
WELL NAME & NO.

TEST #

TEST INTERVAL

Pressure Break Down

Test ticket no. 1622 Recorder no. 10269 Capacity 6500 Rec. Depth. 3522'

		Given	Computed
Initial Flow pressure	550 to 895	30	30
Initial Closed in pressure	950	30	29
Final Flow pressure	944 to 967	30	30
Final Closed-in pressure	970	30	30
Initial Hydrostatic pressure	1794		
Final Hydrostatic pressure	1754		
Temp			

Initial Flow Press.

Minutes	Press
0	550
5	583
10	681
15	773
20	832
25	868
30	895
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	

Initial Closed in Press.

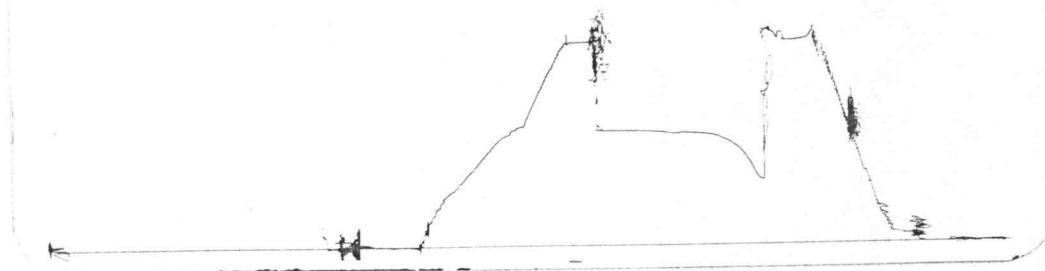
Minutes	Press
0	895
3	918
6	927
9	934
12	940
15	940
18	944
21	947
24	947
27	950
29x30x	950
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

Final Flow Press

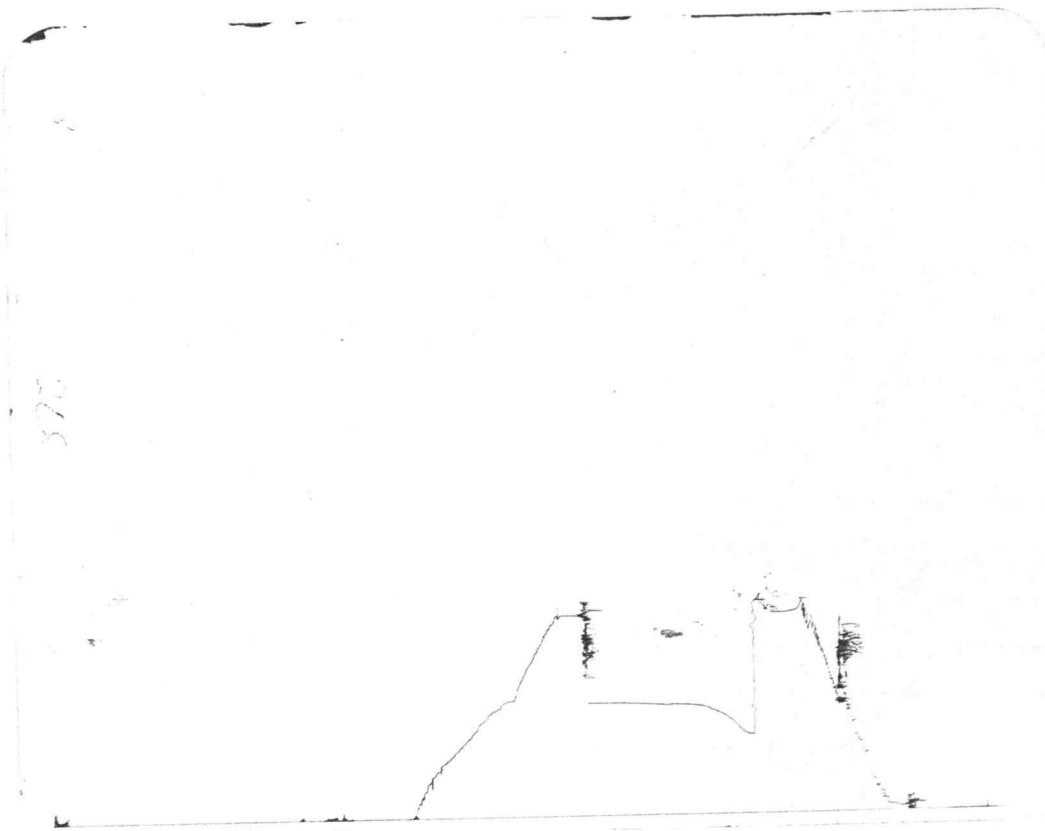
Minutes	Press
0	944
5	944
10	950
15	960
20	960
25	967
30	967
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	
105	
110	
115	
120	
125	
130	
135	
140	
145	
150	
155	
160	
165	
170	
175	
180	

Final Closed in Press.

Minutes	Press
0	967
3	967
6	967
9	967
12	967
15	967
18	970
21	970
24	970
27	970
30	970
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	



Initial Hydrostatic _____ 1794 _____ psi
 IFP _____ 550 _____ psi to _____ 895 _____ psi
 ISIP _____ 950 _____ psi
 FFP _____ 944 _____ psi to _____ 967 _____ psi
 FSIP _____ 970 _____ psi
 Final Hydrostatic _____ 1754 _____ psi



325

