WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company K. & E. Petroleum, Inc. Lease & Well No. James #1

Elevation -- Formation --- Effective Pay --- Ft. Ticket No. 9818

Date 1/10/82 Sec. 25 Twp. 11S Range 33W County Logan State Kansas

Test Approved by D. F. Moore Western Representative Joody Hurtt

Formation Test No. 1 Interval Tested from 4295 ft. to 4325 ft. Total Depth 4325 ft.

Packer Depth 4290 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4295 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4318 ft. Recorder Number 13266 Cap. 4000

Bottom Recorder Depth (Outside) 4321 ft. Recorder Number 13265 Cap. 3975

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Abercrombie Drlg. Rig #9 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 46 Weight Pipe Length 572 I. D. 2.7 in.

Weight 9.6 Water Loss 13.2 cc. Drill Pipe Length 3702 I. D. 3.8 in.

Chlorides 45,000 P.P.M. Test Tool Length 21 ft. Tool Size 4-3/4 in.

Jars: Make - Serial Number - Anchor Length 30 ft. Size 5½ in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Initial flow period weak increasing blow to three inches in bucket. Final flow period no blow; flushed tool ; weak blow to one fourth inch in bucket.

Recovered 210 ft. of oil spotted mud slightly gassy

Recovered ft. of Chlorides 33,000 ppm.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 1:32 A.M. P.M. Time Started Off Bottom 5:02 A.M. P.M. Maximum Temperature 122°

Initial Hydrostatic Pressure ..... (A) 2268 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 83 P.S.I. to (C) 83 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 1287 P.S.I.

Final Flow Period ..... Minutes 60 (E) 157 P.S.I. to (F) 157 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 1231 P.S.I.

Final Hydrostatic Pressure ..... (H) 2258 P.S.I.

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 1/10/82 Test Ticket No. 9818

Recorder No. 13266 Capacity 4000 Location 4318 Ft.

Clock No. -- Elevation - Well Temperature 122 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2268 P.S.I.	Open Tool		1:32A M	
B	First Initial Flow Pressure	83 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	83 P.S.I.	Initial Closed-in Pressure		60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1287 P.S.I.	Second Flow Pressure		60 Mins.	60 Mins.
E	Second Initial Flow Pressure	157 P.S.I.	Final Closed-in Pressure		60 Mins.	60 Mins.
F	Second Final Flow Pressure	157 P.S.I.				
G	Final Closed-in Pressure	1231 P.S.I.				
H	Final Hydrostatic Mud	2258 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	83
P 2 5	83
P 3 10	83
P 4 15	83
P 5 20	83
P 6 25	83
P 7 30	83
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

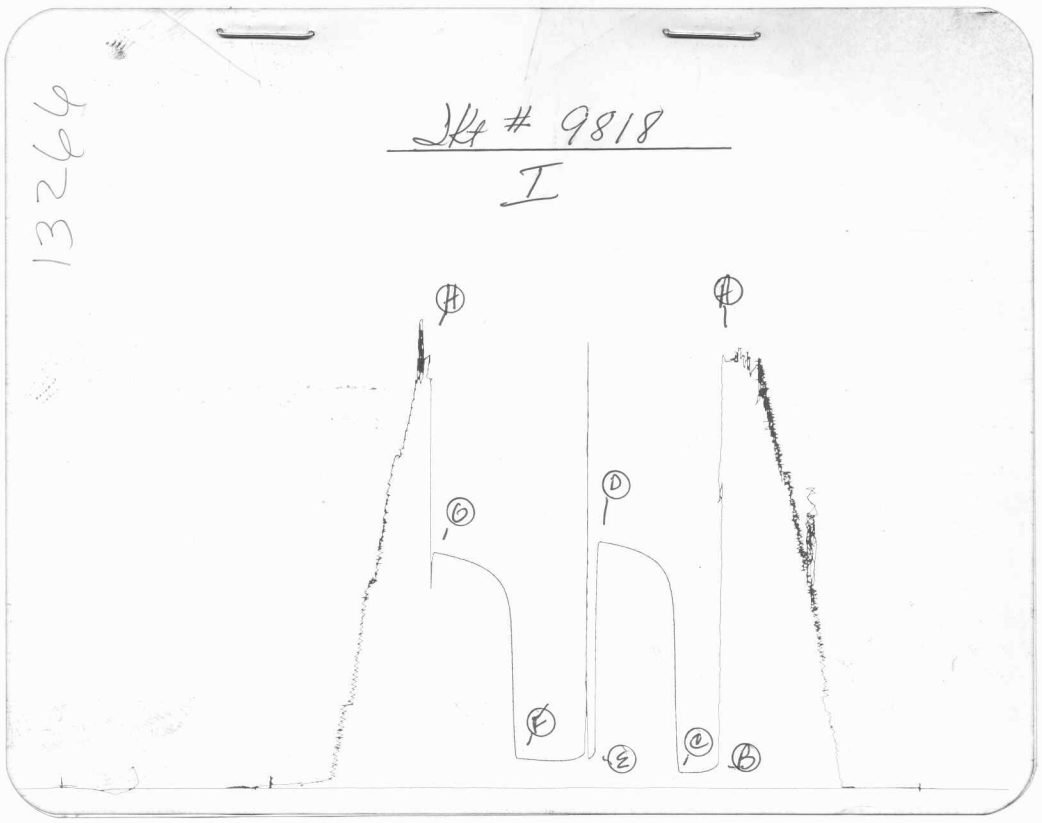
Point Minutes	Press.
0	83
3	470
6	968
9	1080
12	1126
15	1155
18	1179
21	1195
24	1211
27	1221
30	1232
33	1241
36	1249
39	1255
42	1261
45	1267
48	1273
51	1277
54	1281
57	1284
60	1287

Second Flow Pressure
Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	157
5	157 FLUSHED TOOL
10	171
15	152
20	147
25	144
30	144
35	144
40	146
45	150
50	152
55	154
60	157

Final Shut-In
Breakdown: 20 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	157
3	740
6	974
9	1036
12	1074
15	1098
18	1118
21	1135
24	1149
27	1159
30	1169
33	1179
36	1187
39	1195
42	1201
45	1207
48	1212
51	1217
54	1222
57	1227
60	1231



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2268	2268	PSI
(B)	First Initial Flow Pressure	91	83	PSI
(C)	First Final Flow Pressure	81	83	PSI
(D)	Initial Closed-in Pressure	1286	1287	PSI
(E)	Second Initial Flow Pressure	142	157	PSI
(F)	Second Final Flow Pressure	142	157	PSI
(G)	Final Closed-in Pressure	1227	1231	PSI
(H)	Final Hydrostatic Mud	2258	2258	PSI

COMPANY K. & E. PETROLEUM, INC. LEASE AND WELL NO. JAMES #1 SEC. 25 TWP. 11S RGE. 33W TEST NO. 1 DATE 1/10/82

Home Office: Wichita, Kansas 67201
P.O. Box 1599 (316) 262-5861

Company K. & E. Petroleum, Inc. Lease & Well No. James #1

Elevation -- Formation -- Effective Pay -- Ft. Ticket No. 9819

Date 1/12/82 Sec. 25 Twp. 11S Range 33W County Logan State Kansas

Test Approved by D. F. Moore Western Representative Joody Hurtt

Formation Test No. 2 Interval Tested from 4614 ft. to 4645 ft. Total Depth 4645 ft.

Packer Depth 4609 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 4614 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4638 ft. Recorder Number 13266 Cap. 4000

Bottom Recorder Depth (Outside) 4641 ft. Recorder Number 13265 Cap. 3975

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Abercrombie Drlg. Rig #9 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 53 Weight Pipe Length 572 I. D. 2.7 in.

Weight 9.7 Water Loss 12 cc. Drill Pipe Length 4021 I. D. 3.8 in.

Chlorides 38,000 P.P.M. Test Tool Length 21 ft. Tool Size 4-3/4 in.

Jars: Make - Serial Number -- Anchor Length 31 ft. Size 5½ in.

Did Well Flow? - Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4½XH in.

Blow: Initial flow period very weak blow; died in twenty-three minutes. Final flow period no blow; flushed tool - no blow.

Recovered 80 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 8:00 A.M. P.M. Time Started Off Bottom 10:45 A.M. ~~P.M.~~ Maximum Temperature 124°

Initial Hydrostatic Pressure			(A) 2488	P.S.I.		
Initial Flow Period	Minutes 30	(B) 67	P.S.I. to	(C) 67	P.S.I.	
Initial Closed In Period	Minutes 42	(D) 163	P.S.I.			
Final Flow Period	Minutes 45	(E) 104	P.S.I. to	(F) 83	P.S.I.	
Final Closed In Period	Minutes 45	(G) 119	P.S.I.			
Final Hydrostatic Pressure			(H) 2464	P.S.I.		

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 1/12/82 Test Ticket No. 9819

Recorder No. 13266 Capacity 4000 Location 4638 Ft.

Clock No. -- Elevation - Well Temperature 124 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2488	P.S.I.
B	First Initial Flow Pressure	67	P.S.I.
C	First Final Flow Pressure	67	P.S.I.
D	Initial Closed-in Pressure	163	P.S.I.
E	Second Initial Flow Pressure	104	P.S.I.
F	Second Final Flow Pressure	83	P.S.I.
G	Final Closed-in Pressure	119	P.S.I.
H	Final Hydrostatic Mud	2464	P.S.I.

	Time Given	Time Computed
Open Tool	8:00A M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	45 Mins.	42 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	45 Mins.	45 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	67
P 2 5	67
P 3 10	67
P 4 15	67
P 5 20	67
P 6 25	67
P 7 30	67
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 14 Inc.
of 3 mins. and a
final inc. of 0 Min.

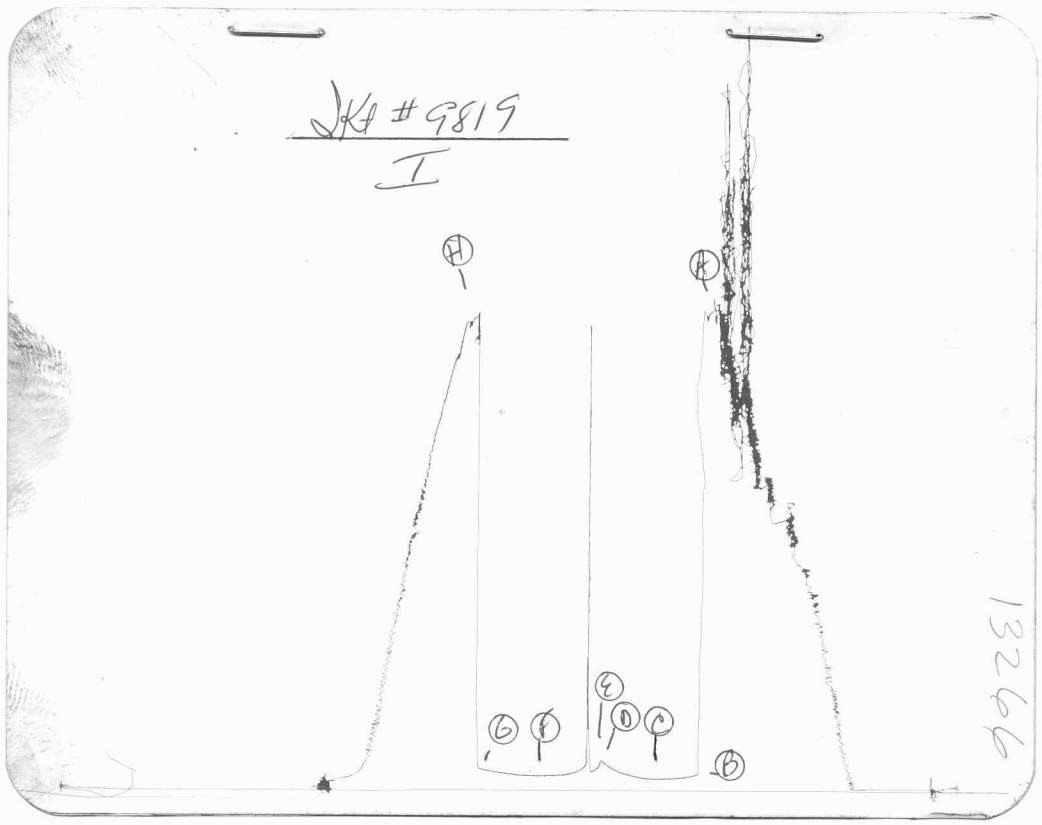
Point Minutes	Press.
0	67
3	67
6	68
9	70
12	74
15	78
18	82
21	89
24	95
27	100
30	110
33	120
36	133
39	152
42	163

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	104
5	104
10	FLUSHED TOOL
15	115
20	99
25	91
30	87
35	85
40	84
45	83

Final Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	83
3	83
6	84
9	85
12	86
15	87
18	90
21	94
24	97
27	99
30	101
33	105
36	109
39	113
42	118
45	119



This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	Office Reading	
(A)	Initial Hydrostatic Mud	2518	2488	PSI
(B)	First Initial Flow Pressure	60	67	PSI
(C)	First Final Flow Pressure	60	67	PSI
(D)	Initial Closed-in Pressure	162	163	PSI
(E)	Second Initial Flow Pressure	71	104	PSI
(F)	Second Final Flow Pressure	71	83	PSI
(G)	Final Closed-in Pressure	101	119	PSI
(H)	Final Hydrostatic Mud	2478	2464	PSI

COMPANY K. & E. PETROLEUM, INC. LEASE AND WELL NO. JAMES #1 SEC. 25 TWP. 11S RGE. 33W TEST NO. 2 DATE 1/12/82