ORIGINAL

**DIAMOND TESTING**
P. O. Box 157
HOISINGTON, KANSAS 67544
(316) 653-7550



Company Kodiak Petroleum, Inc. Lease & Well No. Tindall No. 2-B

Elevation 1809 KB Formation Chase Effective Pay 15 Ft. Ticket No. 1431

Date 10-21-99 Sec. 13 Twp. 18S Range 13W County Barton State Kansas

Test Approved By C. W. Cook Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 1,698 ft. to 1,720 ft. Total Depth 1,720 ft.

Packer Depth 1,693 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 1,698 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 1,679 ft. Recorder Number Elec. Cap. 5,000 psi

Bottom Recorder Depth (Outside) 1,717 ft. Recorder Number 13556 Cap. 5,475 psi

Below Straddle Recorder Depth ft. Recorder Number Cap. psi

Drilling Contractor Duke Drilling Co., Inc. - Rig 4 Drill Collar Length 180 ft. I.D. 2 1/4 in.

Mud Type Chemical Viscosity 33 Weight Pipe Length -- ft. I.D. -- in.

Weight 8.5 Water Loss 50+ cc. Drill Pipe Length 1,486 ft. I.D. 3 1/2 in.

Chlorides 88,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Bowen Serial Number 1 Anchor Length 22 ft. Size 4 1/2 - FH in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/2 in., blow increasing to 9 ins. No blow back during shut-in.

2nd Open: Weak, 1/2 in., blow increasing. Off bottom of bucket in 23 mins. No blow back during shut-in.

Recovered 30 ft. of watery mud = .1476 bbls. (Grind out: 38%-water; 62%-mud)

Recovered 40 ft. of slightly gas cut muddy water = .1968 bbls. (Grind out: 5%-gas; 45%-mud; 50%-water)

Recovered 70 ft. of TOTAL FLUID = .3444 bbls.

Recovered ft. of

Recovered ft. of

Remarks Few oil specks in tool with good gas odor.

Time Set Packer(s) 4:42 AM P.M. Time Started Off Bottom 7:22 AM P.M. Maximum Temperature 86°

Initial Hydrostatic Pressure ..... (A) 833 P.S.I.

Initial Flow Period ..... Minutes 10 (B) 60 P.S.I. to (C) 55 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 434 P.S.I.

Final Flow Period ..... Minutes 30 (E) 68 P.S.I. to (F) 60 P.S.I.

Final Closed In Period ..... Minutes 90 (G) 489 P.S.I.

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**DIAMOND TESTING**
P. O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313



## FLUID SAMPLE DATA

Company Kodiak Petroleum, Inc.

Lease & Well No. Tindall No. 2-B

Date 10-21-99 Sec. 13 Twp. 18 S Range 13 W

Formation Test No. 1 Interval Tested From 1,689 ft. to 1,720 ft. Total Depth 1,720 ft.

Formation Chase

| | MUD PIT | RECOVERY | |
|---|---|---|---|
| Viscosity | 33 CP | 33 CP | |
| Weight | 8.5 | 8.5 | |
| Water Loss | 50+ CC | 50+ CC | Water |
| PH Factor | 5.5 | 7.0 | 7.0 |

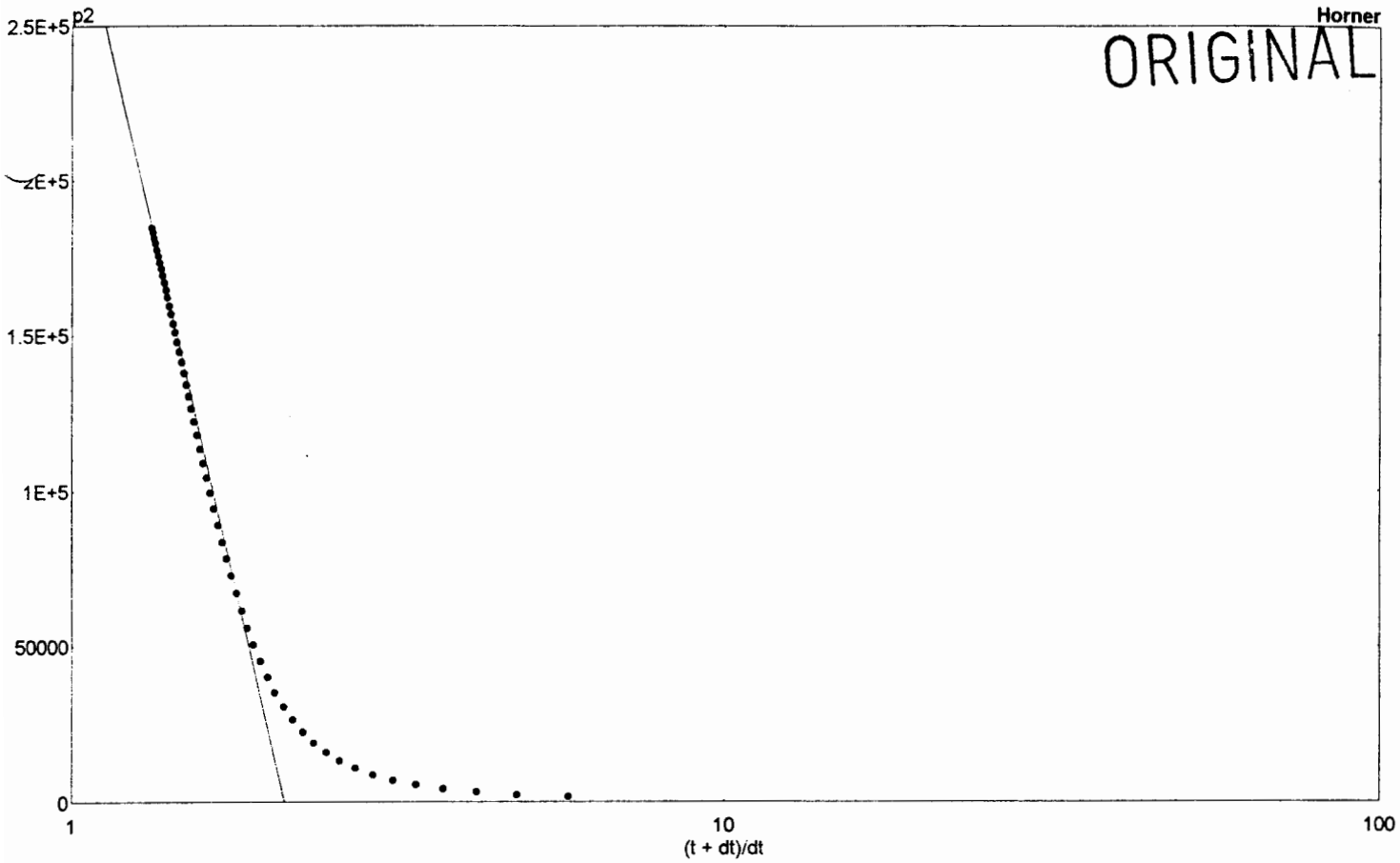
| | RESISTIVITY | | | CHLORIDE CONTENT |
|---|---|---|---|---|
| Recovery Water | .30 | @ 58 | °F. | 26,000 ppm |
| Recovery Mud | .24 | @ 58 | °F. | 34,000 ppm |
| Recovery Mud Filtrate | .32 | @ 52 | °F. | 30,000 ppm |
| Mud Pit Sample | .08 | @ 58 | °F. | 102,000 ppm |
| Mud Pit Sample Filtrate | .10 | @ 60 | °F. | 92,000 ppm |

Sample Taken By Roger D. Friedly

Witness By C. W. Cook

Remarks Pit filtrate triton dish chlorides were 88,000 Ppm.
Recovery filtrate triton dish chlorides were 28,000 Ppm.
Recovery water dish chlorides were 24,000 Ppm.

TINDALL INITIAL SHUT-IN




TINDALL INITIAL SHUT-IN

Analysis Results: Horner

Parameters:

Slope = -901117

m(1 hr) = 238855

Prd Time: = 0.16 hr

Calculated Values:

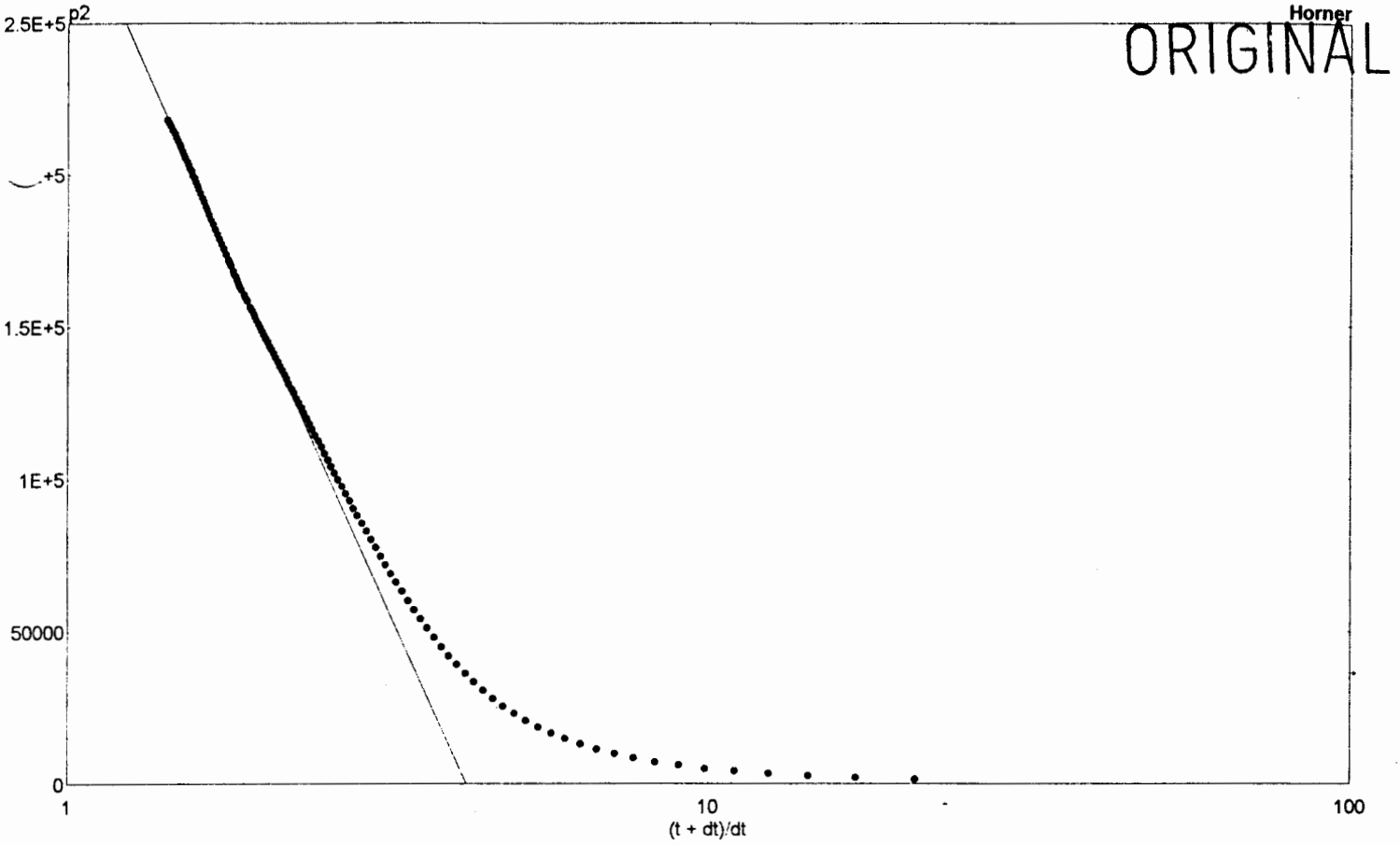
kh = 422.095 md-ft

k = 28.1396 md

Skin = -1.33579

P* = 545.55 psi

ORIGINAL




TINDALL FINAL SHUT-IN

Analysis Results: Horner

Parameters:

Slope = -467951

m(1 hr) = 188833

Prd Time: = 0.667 hr

Calculated Values:

kh = 884.047 md-ft

k = 58.9365 md

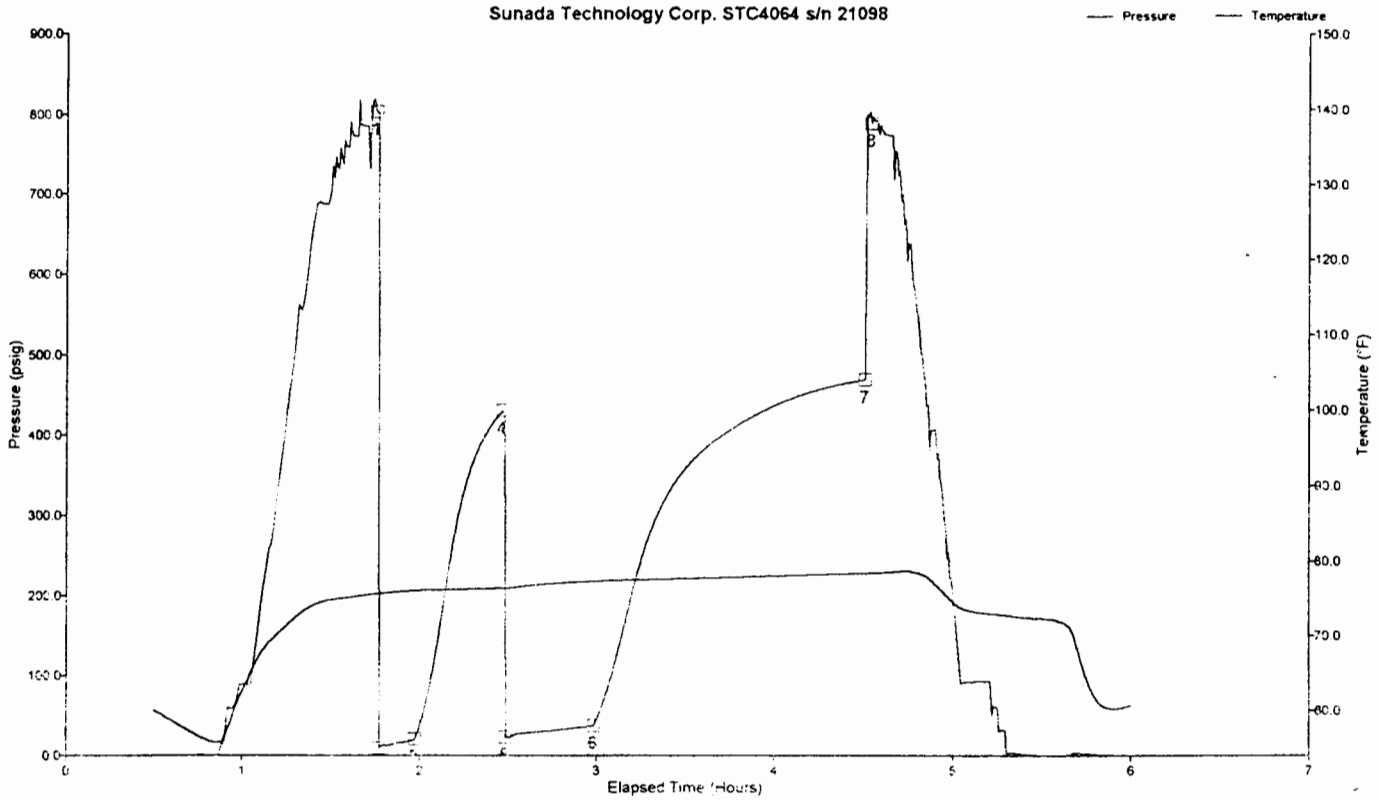
Skin = -2.15823

P* = 542.31 psi

Well LSD: DST #1 CHASE 1698-1720'
Well Name: TINDALL 2-B
Company: KODIAK PETROLEUM INC
Battery on: Oct 21, 1999 at 02:55:00

ORIGINAL

Notes:RECOVERED 30' WM (38% WAT, 62% MUD), 40" SGCMW (5% GAS, 45% MUD, 50% WAT) WITH A FEW OIL SPECKS IN TOOL AND GOOD GAS ODOR IN TOOL.




| Tag | Pressure | Temperature | Comment |
|---|---|---|---|
| 1 | 803.31 psig | 75.56 °F | 1999-10-21 04:40:30 |
| 2 | 8.64 psig | 75.61 °F | 1999-10-21 04:41:30 |
| 3 | 21.03 psig | 75.98 °F | 1999-10-21 04:53:30 |
| 4 | 430.82 psig | 76.32 °F | 1999-10-21 05:23:00 |
| 5 | 23.07 psig | 76.33 °F | 1999-10-21 05:24:00 |
| 6 | 37.65 psig | 77.25 °F | 1999-10-21 05:54:00 |
| 7 | 468.76 psig | 78.29 °F | 1999-10-21 07:25:30 |
| 8 | 788.43 psig | 78.33 °F | 1999-10-21 07:27:30 |