

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

27-14-13W
COPY

DRILL-STEM TEST DATA

Company <u>Col-Kan Development, Inc.</u>	Test No. <u>1</u>
Well Name & Number <u>Rein-Mai #2</u>	Zone Tested <u>Lansing & KC "C"</u>
Company Address <u>P.O. Box 467, Russell, Ks. 67665</u>	Date <u>12-06-85</u>
Company Rep. <u>Mike Bair</u>	Tester <u>Rod Steinbrink</u>
Contractor <u>Emphasis Oil Operations</u>	Elevation <u>1749</u>
Location: Sec. <u>27</u> Twp. <u>14s</u> Rge. <u>13w</u> Co <u>Russell</u> State <u>Ks.</u>	Est. Feet of Pay <u>7</u>

Recorder No. 11090 Type AK-1 Range 4125 PSI
 Recorder Depth 2932 Clock # 26191
 (A) Initial Hydrostatic Mud 1504 PSI
 (B) First Initial Flow Pressure 51 PSI
 (C) First Final Flow Pressure 51 PSI
 (D) Initial Shut-in Pressure 637 PSI
 (E) Second Initial Flow Pressure 82 PSI
 (F) Second Final Flow Pressure 82 PSI
 (G) Final Shut-in Pressure 637 PSI
 (H) Final Hydrostatic Mud 1421 PSI
 Temperature 104°
 Mud Weight 9.6 Viscosity 38
 Fluid Loss 15.2
 Interval Tested 2900-2940
 Anchor Length 40
 Top Packer Depth 2895
 Bottom Packer Depth 2900
 Total Depth 2940
 Drill Pipe Size 4½" XH
 Wt. Pipe I. D. _____ Ft. Run _____
 Recovery-Total Feet 210
 Recovered 90 Feet Of Gassy Oil & Water Cut Mud (25% Gas/ 12% Oil/ 13% Water/ 50% Mud)
 Recovered 120 Feet Of Gassy Oil & Water Cut Mud (62% Gas/ 13% Oil/ 10% Water/ 15% Mud)
 Recovered 510 Feet Of Gas in Pipe Above Fluid
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Recovered _____ Feet Of _____
 Extra Equipment _____ Price of Job 550.00

Recorder No. 11091 Type AK-1 Range 4200 PSI
 Recorder Depth 2935 Clock # 27501
 Tool Open Before I.S.I. 45 Mins.
 Initial Shut-in 45 Mins.
 Flow Period 45 Mins.
 Final Shut-in 60 Mins.
 Top Choke Size 1" Hole Size 7 7/8"
 Bottom Choke Size 3/4" Rubber Size 6 3/4"
 Tool Open @ 10:01 A.M.
 Blow Remarks _____
1st Open: Strong Blow, Building to 18"
in 7 Minutes.
ISI: Bled off Blow, Weak Return Building
to 1" Throughout.
2nd Open: Strong Blow, Building to 18" in
4 Minutes.
 Mud Chlorides: 70,000 PPM
 Recovery Chlorides: 42,000 PPM
 Drill Collars: I.D. 2.25, Ft. Run 30
 Resistivity: 1.73 OHM Meters @ 68° F.

RECORDED BY _____

DEC 4 1985

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DRILL-STEM TEST DATA

Company Col-Kan Development, Inc.	Test No. 2
Well Name & Number Rein-Mai #2	Zone Tested Lansing, Kansas City
Company Address P.O. Box 467, Russell, Ks. 67665	Date 12-07-85
Company Rep. Mike Bair	Tester Rod Steinbrink
Contractor Emphasis Oil Operations	Elevation 1749
Location: Sec. 27 Twp. 14s Rge. 13w Co. Russell State Ks.	Est. Feet of Pay 4

Recorder No. 11090 Type AK-1 Range 4125 PSI

Recorder Depth 2992 Clock # 26191

(A) Initial Hydrostatic Mud 1554 PSI

(B) First Initial Flow Pressure 74 PSI

(C) First Final Flow Pressure 116 PSI

(D) Initial Shut-in Pressure 850 PSI

(E) Second Initial Flow Pressure 190 PSI

(F) Second Final Flow Pressure 222 PSI

(G) Final Shut-in Pressure 850 PSI

(H) Final Hydrostatic Mud 1491 PSI

Temperature 112°

Mud Weight 9.6 Viscosity 43

Fluid Loss 12.4

Interval Tested 2987-3000

Anchor Length 13

Top Packer Depth 2982

Bottom Packer Depth 2987

Total Depth 3000

Drill Pipe Size 4½" XH

Wt. Pipe I. D. Ft. Run

Recovery-Total Feet 620

Recovered 124 Feet Of Gassy Mud & Oil Cut Water (35% Gas/27% Oil/ 28% Water/ 10% Mud)

Recovered 310 Feet Of Gassy Mud & Water Cut Oil (28% Gas/ 27% Oil/ 20% Water/ 25% Mud)

Recovered 62 Feet Of Gassy Oil Cut Water (25% Gas/ 25% Oil/ 49% Water/ 1% Mud)

Recovered 124 Feet Of Sulfer Water (3% Gas/ Scum of Oil/ 95 Water/ 2% Mud)

Recovered 240 Feet Of Gas above fluid

Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job 550.00

Recorder No. 11091 Type AK-1 Range 4200 PSI

Recorder Depth 2995 Clock # 27501

Tool Open Before I.S.I. 45 Mins.

Initial Shut-in 45 Mins.

Flow Period 45 Mins.

Final Shut-in 45 Mins.

Top Choke Size 1" Hole Size 7 7/8"

Bottom Choke Size 3/4" Rubber Size 6 3/4"

Tool Open @ 8:41 A.M.

Blow Remarks _____

1st Open: Strong Blow, Building to 18" in 2½ Minutes.

ISI: Bled off Blow, Weak Surface Return Throughout.

2nd Open: Fair to Strong Blow, Building to 18" in 13 Minutes.

Mud Chlorides: 70,000 PPM

Recovery Chlorides: 17,000

Drill Collars: I.D. 2.25, Ft. Run 30

Resistivity: .53 OHM Meters @ 51° F.

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DRILL-STEM TEST DATA

Company <u>Col-Kan Development, Inc.</u>	Test No. <u>3</u>
Well Name & Number <u>Rein-Mai #2</u>	Zone Tested <u>Conglomerate Sand</u>
Company Address <u>P.O. Box 467, Russell, Ks. 67665</u>	Date <u>12-08-85</u>
Company Rep. <u>Mike Bair</u>	Tester <u>Rod Steinbrink</u>
Contractor <u>Emphasis Oil Operations</u>	Elevation <u>1749</u>
Location: Sec. <u>27</u> Twp. <u>14s</u> Rge. <u>13w</u> Co. <u>Russell</u> State <u>Ks.</u>	Est. Feet of Pay <u>7</u>

Recorder No. 11090 Type AK-1 Range 4125 PSI

Recorder No. 11091 Type AK-1 Range 4200 PSI

Recorder Depth 3192 Clock # 26191

Recorder Depth 3205 Clock # 27501

(A) Initial Hydrostatic Mud 1637 PSI

Tool Open Before I.S.I. 30 Mins.

(B) First Initial Flow Pressure 455 PSI

Initial Shut-in 30 Mins.

(C) First Final Flow Pressure 455 PSI

Flow Period 30 Mins.

(D) Initial Shut-in Pressure 1026 PSI

Final Shut-in 30 Mins.

(E) Second Initial Flow Pressure 591 PSI

Top Choke Size 1" Hole Size 7 7/8"

(F) Second Final Flow Pressure 632 PSI

Bottom Choke Size 3/4" Rubber Size 6 3/4"

(G) Final Shut-in Pressure 1026 PSI

Tool Open @ 2:35 P.M.

(H) Final Hydrostatic Mud 1616 PSI

Blow Remarks _____

Temperature 113°

1st Open: Strong Blow, Building to 18"

Mud Weight 9.6 Viscosity 49

in 4 Minutes.

Fluid Loss 8.0

ISI: Bled off Blow, No Return.

Interval Tested 3202-3210

2nd Open: Strong Return, Building to 18"

Anchor Length 8

in 3 Minutes.

Top Packer Depth 3197

Tool Slid 8' to Bottom & Was 3' off Bottom.

Bottom Packer Depth 3202

Mud Chlorides: 48,000 PPM

Total Depth 3210

REcovery Chlorides: 13,000 PPM

Drill Pipe Size 4 1/2" XH

Resistivity: .71 OHM Meters @ 50° F.

Wt. Pipe I. D. _____ Ft. Run _____

Drill Collars: I.D. 2.25, Ft. Run 30

Recovery-Total Feet 1055

Recovered 1055 Feet Of Water

Recovered _____ Feet Of _____

Extra Equipment Circulating Sub Price of Job 580.00