

15-101-21135

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

24-16s-29w

DRILL-STEM TEST DATA

Company	Oil Capitol Corporation	Test No.	1
Well Name & Number	Eaton #1	Zone Tested	Lansing/Kansas City
Company Address	200 E. 1st 5th Floor Wichita, Ks.	Date	3/24/85
Company Rep.	Glenn D. Tracy	Tester	Gary Pevoteaux
Contractor	Abercrombie Drilling Company	Elevation	2798 KB
Location: Sec. 24	Twp. 16s	Rge. 29w	Co. Lane State Ks.
			Est. Feet of Pay

Recorder No. 13638 Type AK-1 Range 4675 PSI

Recorder Depth 4222 Clock # 30420

(A) Initial Hydrostatic Mud 2067 PSI

(B) First Initial Flow Pressure 54 PSI

(C) First Final Flow Pressure 102 PSI

(D) Initial Shut-in Pressure 800 PSI

(E) Second Initial Flow Pressure 136 PSI

(F) Second Final Flow Pressure 182 PSI

(G) Final Shut-in Pressure 761 PSI

(H) Final Hydrostatic Mud 2055 PSI

Temperature 115

Mud Weight 9.4 Viscosity 41

Fluid Loss 9.2

Interval Tested 4175-4225

Anchor Length 50

Top Packer Depth 4170

Bottom Packer Depth 4175

Total Depth 4225

Drill Pipe Size 4 1/2 XH

Wt. Pipe I. D. 2.7 Ft. Run 665

Recovery-Total Feet 285

Recovered 165 Feet Of Gas in pipe.

Recovered 105 Feet Of Oil cut mud: 5% water, 12% oil & 83% mud.

Recovered 180 Feet Of Watery mud with oil specks: 20% water & 80% mud.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Price of Job \$675.00

Recorder No. 13639 Type AK-1 Range 4675 PSI

Recorder Depth 4217 Clock # 19127

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

Initial Shut-in 45 Mins.

Flow Period 60 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 @ 11:30 AM

Blow Remarks 1st open: Weak to fair blow,
4 inches after 30 minutes.2nd open: Weak to fair blow, 6 inches
after 60 minutes.

Well Chlorides: 4,000 ppm.

180' Recovery Chlorides: 29,000 ppm.

Resistivity .22 ohms @ 70°F.

Drill Collars I.D. 2.25 Ft. run 180.

INITIAL SHUT-IN

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RECORDER NO: 13639 DEPTH: 4225 FT.
INITIAL FLOW TIME (T): 30 MIN.

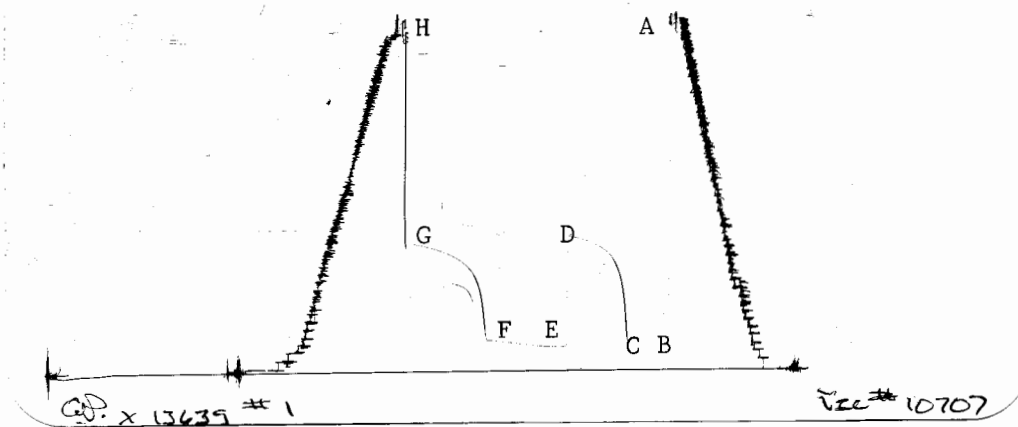
DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)
0	0.000	114.7
5	0.845	553.1
10	0.602	656.4
15	0.477	706.8
20	0.398	735.5
25	0.342	758.5
30	0.301	773.4
35	0.269	784.9
40	0.243	796.3
45	0.222	803.2

FINAL SHUT-IN

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RECORDER NO: 13639 DEPTH: 4225 FT.
TOTAL FLOW TIME: 90 MIN.

DT(MIN)	LOG((T+DT)/DT)	PRESSURE(P SIG)
0	0.000	185.9
5	1.279	484.2
10	1.000	582.9
15	0.845	630.0
20	0.740	663.2
25	0.663	686.2
30	0.602	705.7
35	0.553	720.6
40	0.512	732.1
45	0.477	743.6
50	0.447	755.0
55	0.421	760.8
60	0.398	766.5



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2067	2062	PSI
(B) First Initial Flow Pressure	54	65.4	PSI
(C) First Final Flow Pressure	102	114.7	PSI
(D) Initial Closed-in Pressure	800	803.2	PSI
(E) Second Initial Flow Pressure	136	143.4	PSI
(F) Second Final Flow Pressure	182	185.9	PSI
(G) Final Closed-in Pressure	761	766.5	PSI
(H) Final Hydrostatic Mud	2055	2050	PSI

CHENEY TESTING CO, INC.
CALCULATION OF FORMATION CHARACTERISTICS
FROM DST DATA

FOR: OIL CAPITOL CORPORATION
EATON #1 DST # 1
SEC 24-16S-29W FORMATION: LANSING
LANE COUNTY KANSAS ELEVATION: 2798 KB

TEST PARAMETERS

TEST INTERVAL: 4175 - 4225	EST PAY: 5
TIME INTERVAL: 30 - 45 - 60 - 60	VISCOSITY OF FLUID: 2
INITIAL FLOW PRESS: 65.4- 114.7	HOLE SIZE: 7.875
FINAL FLOW PRESS: 143.4- 185.9	D.C. CAPACITY: 0.00492
SHUT-IN PRESS(I-F): 803.2- 766.5	W.P. CAPACITY: 0.00708
BOTTOM HOLE TEMPERATURE: 115	D.P. CAPACITY: 0.01402
TOTAL FEET OF RECOVERY: 285	TOTAL BARRELS RECOVERY: 1.6280

EXTRAPOLATED INITIAL SHUT-IN PRESSURE (PSI): 890
SLOPE (PSI-CYCLE): 388 POINTS USED: 6

EXTRAPOLATED FINAL SHUT-IN PRESSURE (PSI): 885
SLOPE (PSI-CYCLE): 294 POINTS USED: 6

CALCULATIONS

AVERAGE PRODUCTION RATE (B/D)	: 26.05
TRANSMISSIBILITY (MD-FT/CP)	: 14.41
PERMEABILITY (MD)	: 5.76
PRODUCTIVITY INDEX (B/D/PSI)	: 0.0163
DAMAGE RATIO	: 0.388
APPROXIMATE RADIUS OF INVESTIGATION (FT)	: 22.8
DRAWDOWN FACTOR (%)	: 0.562
POTENTIOMETRIC SURFACE (FT)	: 625.31

HORNER PLOT
OIL CAPITAL CORPORATION
EATON #1
DST # 1 DEPTH: 4225
RECORDER NO. 13639
INITIAL SHUT-IN: $\diamond$
FINAL SHUT-IN: $\square$

