

CHENEY TESTING COMPANY

P. O. BOX 3 HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company <u>Isern Pet. Corp.</u>	Test No. <u>1</u>
Well Name & Number <u>Herbel C-1</u>	Zone Tested <u>Lansing</u>
Company Address <u>Box 486 Ellinwood</u>	Date <u>5-11-77</u>
Comp. Rep. <u>L.O. Chubb</u>	Tester <u>James Ricketts</u>
Contractor <u>Abercrombie Drlg. Co.</u>	Elevation <u>3179 K.B.</u>
Location: Sec. <u>28</u> Twp. <u>9 S</u> Rge. <u>33W</u> Co. <u>Thomas</u> State <u>KS</u>	Est. Feet of Pay _____

Recorder No. 6730 Type Kuster Range 4200 PSI

Recorder Depth 4122

(A) Initial Hydrostatic Mud 1995 PSI

(B) First Initial Flow Pressure 75 PSI

(C) First Final Flow Pressure 215 PSI

(D) Initial Closed-in Pressure 1025 PSI

(E) Second Initial Flow Pressure 237 PSI

(F) Second Final Flow Pressure 334 PSI

(G) Final Closed-in Pressure 993 PSI

(H) Final Hydrostatic Mud 1964 PSI

Temperature 121

Mud Weight 9.2 Viscosity 48

Fluid Loss 3.2

Interval Tested 4065-4125

Anchor Length 60'

Top Packer Depth 4060

Bottom Packer Depth 4065

Total Depth 4125

Drill Pipe Size 4 1/2 x hole

Wt. Pipe I. D. 3.5 Ft. Run 638

Recovery—Total Feet 662

Recovered 662 Feet Of Mud & water

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment None

Recorder No. 2836 Type Kuster Range 3500 PSI

Recorder Depth 4119

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

Initial Shut-in 30 Mins.

Flow Period 30 Mins.

Final Shut-in 30 Mins.

Surface Choke Size 1"

Bottom Choke Size 3/4"

Main Hole Size 7 7/8"

Rubber Size 6 3/4"

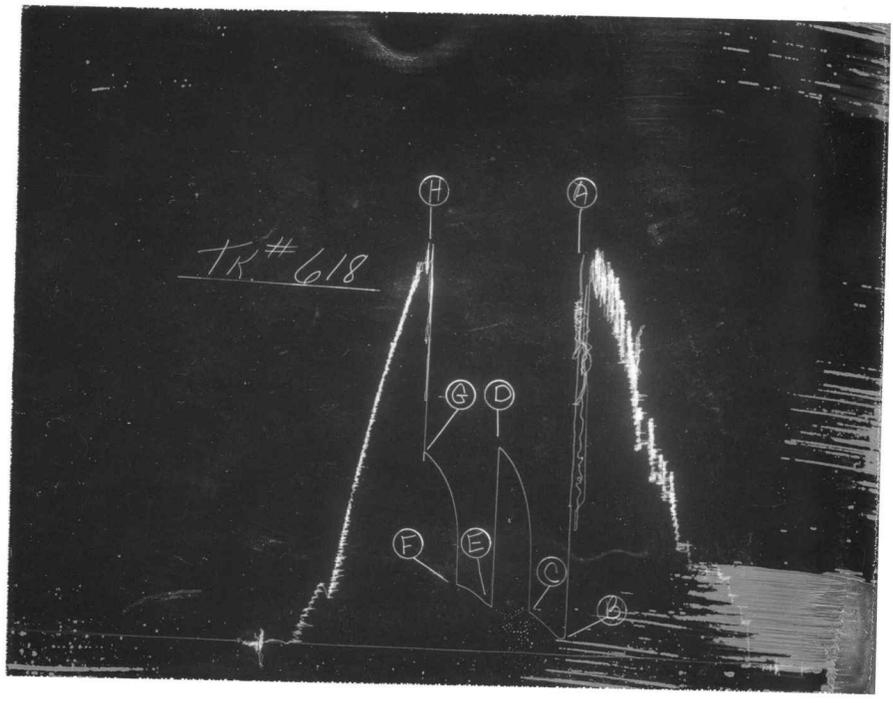
Tool Open @ 5:15 P.M.

Blow Strong

Remarks Slid tool 8 ft. to bottom

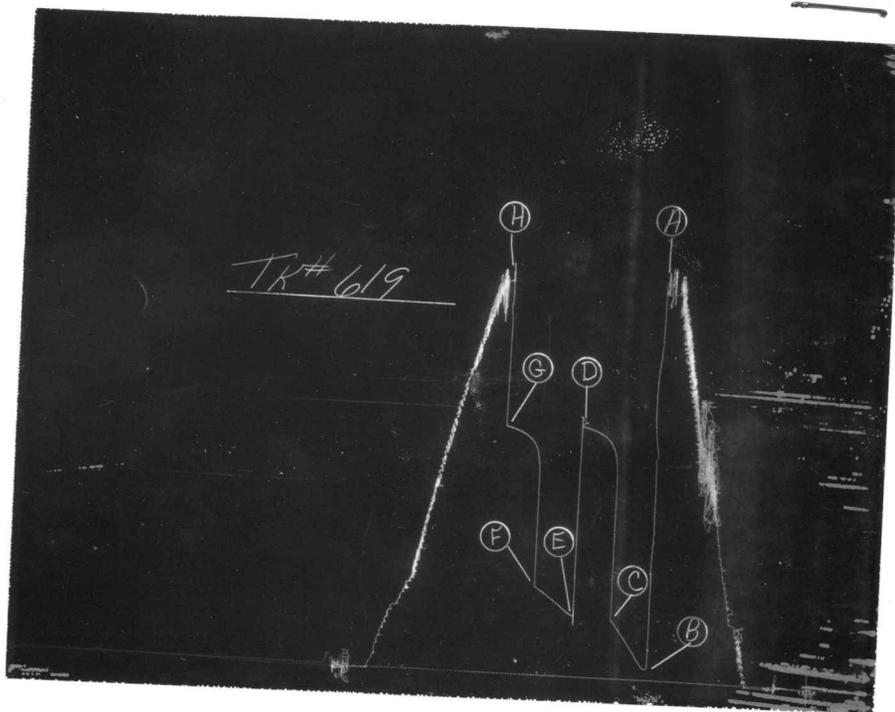
Drill Collar I. D. _____ Ft. Run _____

Price of Job \$415.00



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1995		PSI
(B) First Initial Flow Pressure	75		PSI
(C) First Final Flow Pressure	215		PSI
(D) Initial Closed-in Pressure	1025		PSI
(E) Second Initial Flow Pressure	237		PSI
(F) Second Final Flow Pressure	334		PSI
(G) Final Closed-in Pressure	993		PSI
(H) Final Hydrostatic Mud	1964		PSI



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2016		PSI
(B) First Initial Flow Pressure	53		PSI
(C) First Final Flow Pressure	280		PSI
(D) Initial Closed-in Pressure	1267		PSI
(E) Second Initial Flow Pressure	323		PSI
(F) Second Final Flow Pressure	441		PSI
(G) Final Closed-in Pressure	1236		PSI
(H) Final Hydrostatic Mud	1995		PSI

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DRILL-STEM TEST DATA

Company <u>Isern Petroleum Co.</u>	Test No. <u>3</u>
Well Name & Number <u>Herbel #c-1</u>	Zone Tested <u>K.C.</u>
Company Address <u>Box 486, Ellinwood, Kan.</u>	Date <u>5-13-77</u>
Comp. Rep. <u>L.O. Chubb</u>	Tester <u>James Ricketts</u>
Contractor <u>Abercrombie Drlg. Inc.</u>	Elevation <u>3179 K.B.</u>
Location: Sec. <u>28</u> Twp. <u>9S</u> Rge. <u>33W</u> Co. <u>Thomas</u> State <u>Kan</u>	Est. Feet of Pay _____

Recorder No. 6730 Type Kuster Range 4200 PSI

Recorder No. 2836 Type Kuster Range 3500 PSI

Recorder Depth 4307

Recorder Depth 4304

(A) Initial Hydrostatic Mud 2090 PSI

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

(B) First Initial Flow Pressure 32 PSI

Initial Shut-in 30 Mins.

(C) First Final Flow Pressure 43 PSI

Flow Period 60 Mins.

(D) Initial Closed-in Pressure 802 PSI

Final Shut-in 30 Mins.

(E) Second Initial Flow Pressure 53 PSI

Surface Choke Size 1"

(F) Second Final Flow Pressure 64 PSI

Bottom Choke Size 3/4"

(G) Final Closed-in Pressure 538 PSI

Main Hole Size 7 7/8"

(H) Final Hydrostatic Mud 2071 PSI

Rubber Size 6 3/4"

Temperature 119°

Tool Open @ 3:30 A.M.

Mud Weight 9.3 Viscosity 42

Blow Weak

Fluid Loss 8.0 cc

Remarks _____

Interval Tested 4265-4310

Anchor Length 45'

Top Packer Depth 4260

Bottom Packer Depth 4265

Total Depth 4310

Drill Pipe Size 4 1/2 EX.H.

Wt. Pipe I. D. 3.5 Ft. Run 638

Drill Collar I. D. _____ Ft. Run _____

Recovery—Total Feet 327

Recovered 247 Feet Of Gas

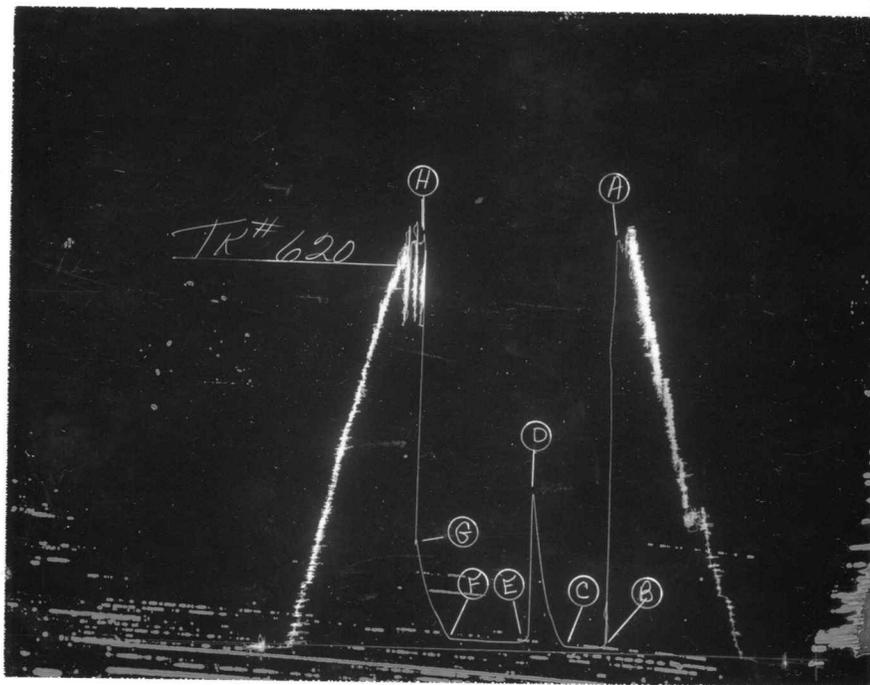
Recovered 10 Feet Of Free Oil

Recovered 15 Feet Of Gas & Oil

Recovered 55 Feet Of H.O.C.M.

Extra Equipment _____

Price of Job \$415.00



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2090	PSI
(B) First Initial Flow Pressure	32	PSI
(C) First Final Flow Pressure	43	PSI
(D) Initial Closed-in Pressure	802	PSI
(E) Second Initial Flow Pressure	53	PSI
(F) Second Final Flow Pressure	64	PSI
(G) Final Closed-in Pressure	538	PSI
(H) Final Hydrostatic Mud	2071	PSI

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DRILL-STEM TEST DATA

Company <u>Isern Petroleum Co.</u>	Test No. <u>4</u>
Well Name & Number <u>Herbel #C-1</u>	Zone Tested <u>K.C.</u>
Company Address <u>Box 486, Ellinwood, Kan.</u>	Date <u>5-13-77</u>
Comp. Rep. <u>L.O. Chubb</u>	Tester <u>James Ricketts</u>
Contractor <u>Abercrombie Drlg. Inc.</u>	Elevation <u>3179 K.B.</u>
Location: Sec. <u>28</u> Twp. <u>9S</u> Rge. <u>33W</u> Co. <u>Thomas</u> State <u>Kan.</u>	Est. Feet of Pay _____

Recorder No. 6730 Type Kuster Range 4200 PSI

Recorder No. 2836 Type Kuster Range 3500 PSI

Recorder Depth 4332

Recorder Depth 4329

(A) Initial Hydrostatic Mud 2122 PSI

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

(B) First Initial Flow Pressure 172 PSI

Initial Shut-in 30 Mins.

(C) First Final Flow Pressure 644 PSI

Flow Period 30 Mins.

(D) Initial Closed-in Pressure 1194 PSI

Final Shut-in 30 Mins.

(E) Second Initial Flow Pressure 728 PSI

Surface Choke Size 1"

(F) Second Final Flow Pressure 908 PSI

Bottom Choke Size 3/4"

(G) Final Closed-in Pressure 1194 PSI

Main Hole Size 7 7/8"

(H) Final Hydrostatic Mud 2111 PSI

Rubber Size 6 3/4"

Temperature 126°

Tool Open @ 4:00 P.M.

Mud Weight 9.2 Viscosity 44

Blow Strong

Fluid Loss 9.2 cc

Remarks _____

Interval Tested 4308-4335

Anchor Length 27'

Top Packer Depth 4303

Bottom Packer Depth 4308

Total Depth 4335

Drill Pipe Size 4 1/2 EX.H.

Wt. Pipe I. D. 3.5 Ft. Run 638

Drill Collar I. D. _____ Ft. Run _____

Recovery—Total Feet 2018

Recovered 180 Feet Of Slightly oil cut mud & water

Recovered 1838 Feet Of Salt Water

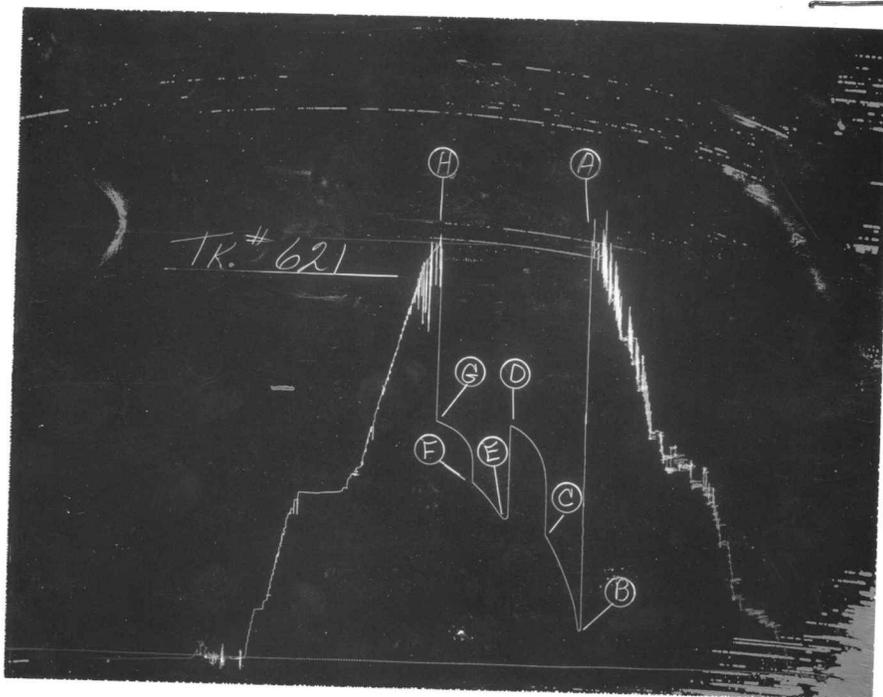
Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment _____

Price of Job \$415.00



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2122		PSI
(B) First Initial Flow Pressure	172		PSI
(C) First Final Flow Pressure	644		PSI
(D) Initial Closed-in Pressure	1194		PSI
(E) Second Initial Flow Pressure	728		PSI
(F) Second Final Flow Pressure	908		PSI
(G) Final Closed-in Pressure	1194		PSI
(H) Final Hydrostatic Mud	2111		PSI

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DRILL-STEM TEST DATA

Company <u>Isern Petroleum Co.</u>	Test No. <u>5</u>
Well Name & Number <u>Herbel #C-1</u>	Zone Tested <u>Johnson</u>
Company Address <u>Box 486, Ellinwood, Kan.</u>	Date <u>5-15-77</u>
Comp. Rep. <u>L.O. Chubb</u>	Tester <u>James Ricketts</u>
Contractor <u>Abercrombie Drlg. Inc.</u>	Elevation <u>3179 K.B.</u>
Location: Sec. <u>28</u> Twp. <u>9S</u> Rge. <u>33W</u> Co. <u>Thomas</u> State <u>Kan.</u>	Est. Feet of Pay _____

Recorder No. 6730 Type Kuster Range 4200 PSI

Recorder No. 2836 Type Kuster Range 3500 PSI

Recorder Depth 4682

Recorder Depth 4679

(A) Initial Hydrostatic Mud 2830 PSI

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

(B) First Initial Flow Pressure 23 PSI

Initial Shut-in 30 Mins.

(C) First Final Flow Pressure 23 PSI

Flow Period 30 Mins.

(D) Initial Closed-in Pressure 53 PSI

Final Shut-in 30 Mins.

(E) Second Initial Flow Pressure 23 PSI

Surface Choke Size 1"

(F) Second Final Flow Pressure 23 PSI

Bottom Choke Size 3/4"

(G) Final Closed-in Pressure 32 PSI

Main Hole Size 7 7/8"

(H) Final Hydrostatic Mud 2809 PSI

Rubber Size 6 3/4"

Temperature 126°

Tool Open @ 3:00 A.M.

Mud Weight 9.2 Viscosity 45

Blow Weak

Fluid Loss 10.2 cc

Remarks _____

Interval Tested 4662-4685

Anchor Length 23'

Top Packer Depth 4658

Bottom Packer Depth 4662

Total Depth 4685

Drill Pipe Size 4 1/2 EX.H.

Wt. Pipe I. D. 3.5 Ft. Run 638

Drill Collar I. D. _____ Ft. Run _____

Recovery—Total Feet 10

Recovered 10 Feet Of S.O.C.M.

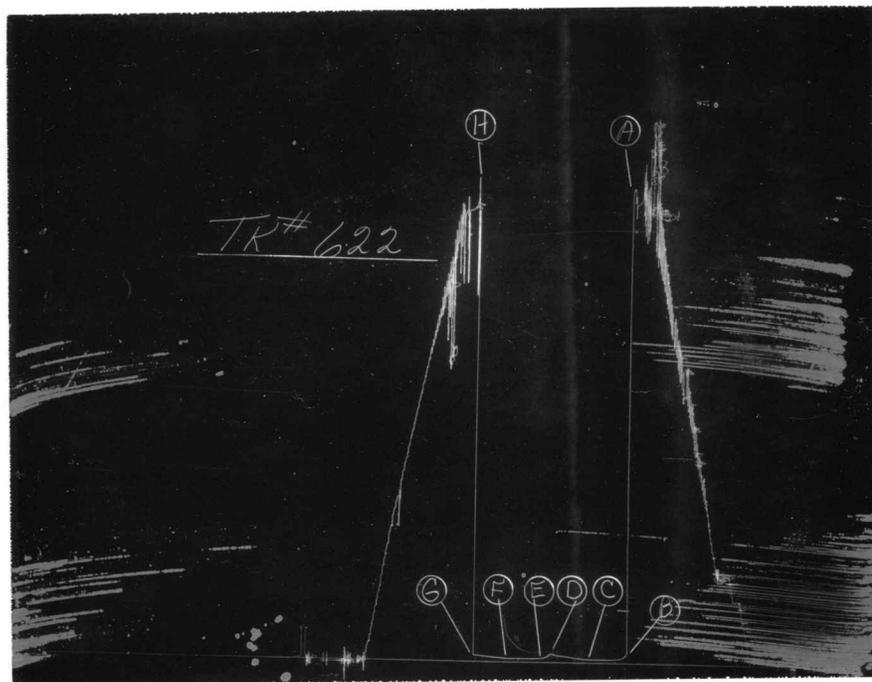
Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment _____

Price of Job \$415.00



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2830		
(B) First Initial Flow Pressure	23		
(C) First Final Flow Pressure	23		
(D) Initial Closed-in Pressure	53		
(E) Second Initial Flow Pressure	23		
(F) Second Final Flow Pressure	23		
(G) Final Closed-in Pressure	32		
(H) Final Hydrostatic Mud	2809		