

DIAMOND TESTING

P. O. Box 157

HOISINGTON, KANSAS 67544

(316) 653-7550

Company Central Energy Corporation Lease & Well No. Thompson "A" No. 1

Elevation 2203 KB Formation Mississippi Effective Pay -- Ft. Ticket No. 761

Date 4-16-91 Sec. 30 Twp. 30S Range 18W County Kiowa State Kansas

Test Approved By Jon T. Williams, Jr. Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 5,018 ft. to 5,064 ft. Total Depth 5,064 ft.

Packer Depth 5,013 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 5,018 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5,000 ft. Recorder Number 13386 Cap. 3,875 psi

Bottom Recorder Depth (Outside) 5,061 ft. Recorder Number 13556 Cap. 4,425 psi

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor White & Ellis Drlg., Inc. Drill Collar Length -- I.D. -- in.

Mud Type Chemical Viscosity 42 Weight Pipe Length -- I.D. -- in.

Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,987 ft. I.D. 3 1/2 in.

Chlorides 7,400 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2-IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 46 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 slowly increasing to 3 1/8 ins. at end.

2nd Open: Fair, 1 1/2 in., blow slowly increasing to 6 ins. at end.

Recovered 170 ft. of gas in pipe

Recovered 45 ft. of drilling mud with some free oil in tool = .639 bbls. (Chlorides: 7,800 Ppm)

Recovered 45 ft. of TOTAL FLUID = .639 bbls.

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 8:50 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 1:20 ~~P.M.~~ ^{A.M.} Maximum Temperature 112°

Initial Hydrostatic Pressure (A) 2490 P.S.I.

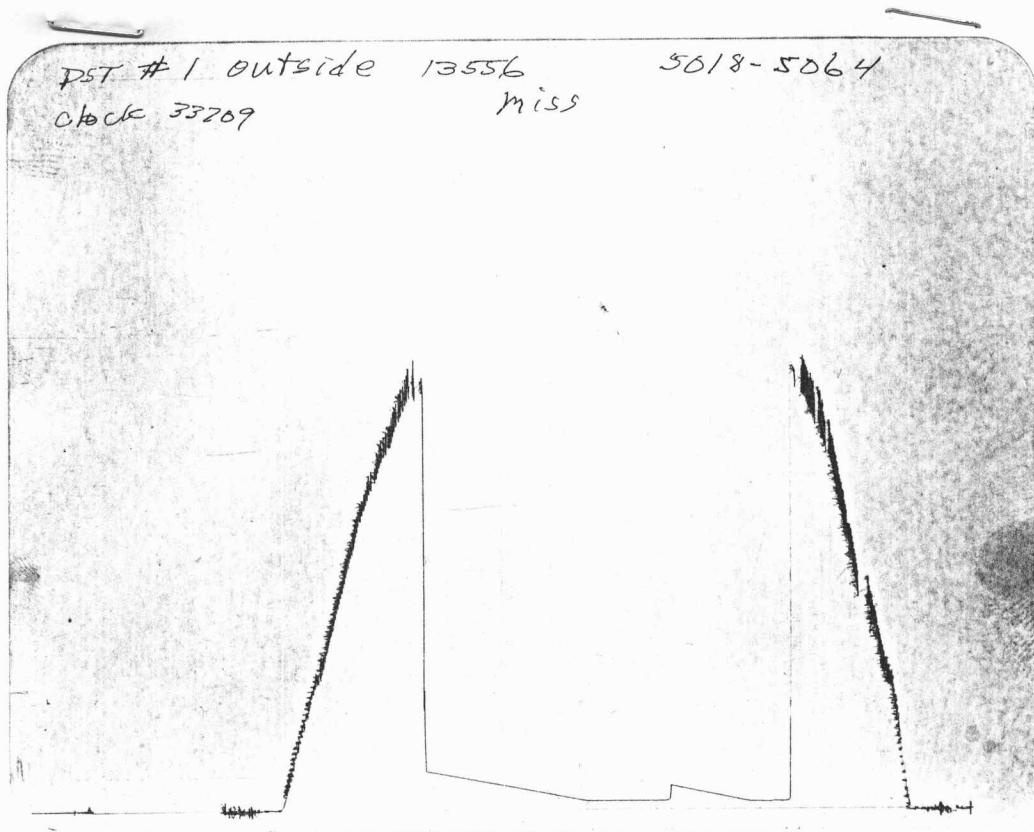
Initial Flow Period 30 Minutes (B) 45 P.S.I. to (C) 51 P.S.I.

Initial Closed In Period 60 Minutes (D) 134 P.S.I.

Final Flow Period 60 Minutes (E) 54 P.S.I. to (F) 56 P.S.I.

Final Closed In Period 120 Minutes (G) 222 P.S.I.

Final Hydrostatic Pressure (H) 2468 P.S.I.



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2490	2488
(B) First Initial Flow Pressure.....	45	44
(C) First Final Flow Pressure	51	48
(D) Initial Closed-in Pressure	134	134
(E) Second Initial Flow Pressure.....	54	56
(F) Second Final Flow Pressure.....	56	58
(G) Final Closed-in Pressure.....	222	222
(H) Final Hydrostatic Mud	2468	2470

556' FNL & 2029' FNL



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Company Central Energy Corporation Lease & Well No. Thompson "A" No. 1
Elevation 2203 KB Formation Mississippi Effective Pay Ft. Ticket No. 762
Date 4-17-91 Sec. 30 Twp. 30S Range 18W County Kiowa State Kansas
Test Approved By Jon T. Williams, Jr. Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 5,042 ft. to 5,072 ft. Total Depth 5,072 ft.

Packer Depth 5,037 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 5,042 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5,024 ft. Recorder Number 13386 Cap. 3,875 psi

Bottom Recorder Depth (Outside) 5,069 ft. Recorder Number 13556 Cap. 4,425 psi

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor White & Ellis Drlg., Inc. Drill Collar Length I.D. in.

Mud Type Chemical Viscosity 46 Weight Pipe Length I.D. in.

Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 5,011 ft. I.D. 3 1/2 in.

Chlorides 7,400 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2-IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 30 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, 1/4 in., blow slowly increasing to 2 ins. at end.

2nd Open: Weak, 1/4 in., blow slowly increasing to 3 ins. at end.

Recovered 120 ft. of gas in pipe

Recovered 35 ft. of drilling mud with some free oil in tool = .497 bbls.

Recovered 35 ft. of TOTAL FLUID = .497 bbls.

Recovered ft. of

Recovered ft. of

Remarks

Time Set Packer(s) 3:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:15 ~~P.M.~~ ^{A.M.} Maximum Temperature 112°

Initial Hydrostatic Pressure (A) 2501 P.S.I.

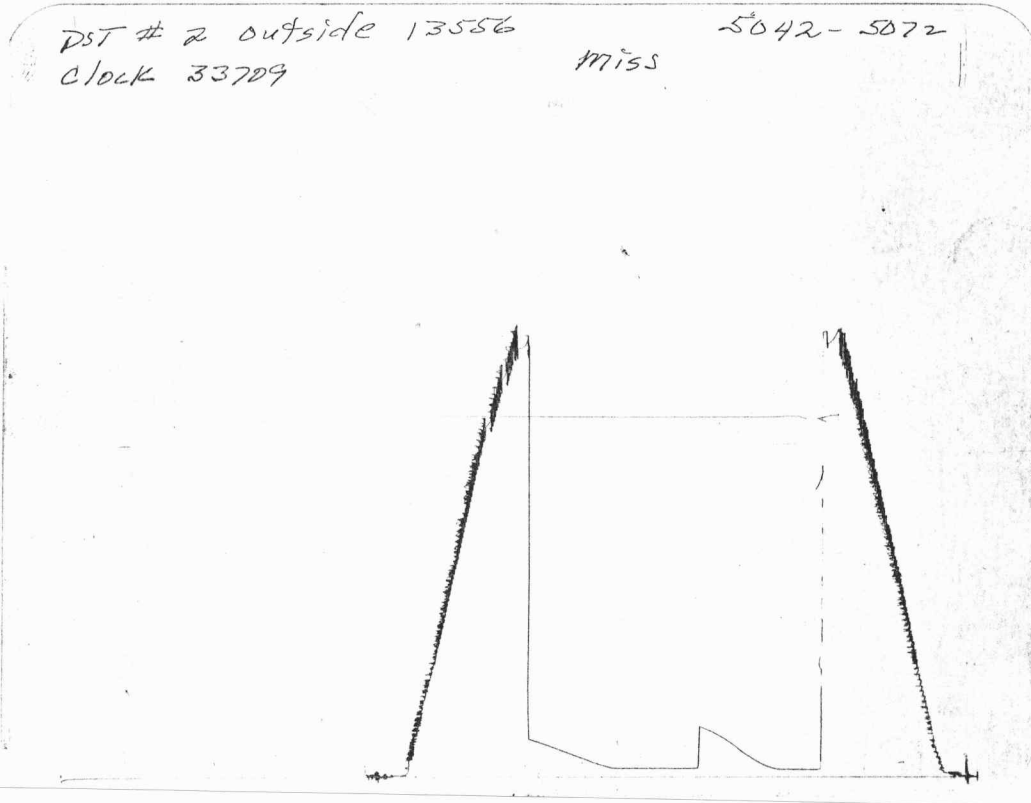
Initial Flow Period 30 Minutes (B) 45 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period 60 Minutes (D) 251 P.S.I.

Final Flow Period 60 Minutes (E) 51 P.S.I. to (F) 51 P.S.I.

Final Closed In Period 60 Minutes (G) 222 P.S.I.

Final Hydrostatic Pressure 2479 (H) 2479 P.S.I.



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2501	2515	PSI
(B) First Initial Flow Pressure.....	45	47	PSI
(C) First Final Flow Pressure	45	47	PSI
(D) Initial Closed-in Pressure	251	288	PSI
(E) Second Initial Flow Pressure	51	54	PSI
(F) Second Final Flow Pressure.....	51	54	PSI
(G) Final Closed-in Pressure.....	222	222	PSI
(H) Final Hydrostatic Mud	2479	2476	PSI

556' FNL & 2029' FNL, SEC