

CHENEY TESTING CO.

DRILL STEM TEST REPORT

COMPANY HESS OIL CO.

LEASE AND WELL NO.

OCHS #1

SEC.

32

TWP.

15S

RGE.

25W

TEST NO. 1

DATE

9-11-88

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Hess Oil Co.	Test No.	1
Well Name & Number	Ochs #1	Zone Tested	Marmaton
Company Address	P.O. Box 1009, McPherson, Ks. 67460	Date	9-11-88
Company Rep.	Jamie Hess	Tester	Huck Smith
Contractor	Mallard J.V.	Elevation	2479 K.B.
Location: Sec. 32 Twp. 15S Rge. 25W Co.Trego State Kan		Est. Feet of Pay	

Recorder No. 7456 Type AK-1 Range 4150 PSI

Recorder Depth 4182 Clock # 23858

(A) Initial Hydrostatic Mud 2219 PSI

(B) First Initial Flow Pressure 57 PSI

(C) First Final Flow Pressure 57 PSI

(D) Initial Shut-in Pressure 86 PSI

(E) Second Initial Flow Pressure 76 PSI

(F) Second Final Flow Pressure - PSI

(G) Final Shut-in Pressure - PSI

(H) Final Hydrostatic Mud 2209 PSI

Temperature 122

Mud Weight 9.3 Viscosity 41

Fluid Loss 18.0

Interval Tested 4150-4190

Anchor Length 40'

Top Packer Depth 4145

Bottom Packer Depth 4150

Total Depth 4190

Drill Pipe Size 4½ EX.H.

Wt. Pipe I. D. Collars 2.25 Ft. Run 297

Recovery-Total Feet 15

Recovered 15 Feet Of O.C.M. (1% Oil 99% Mud)

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Price of Job

Recorder No. 13364 Type AK-1 Range 3825 PSI

Recorder Depth 4185 Clock # 25559

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

Initial Shut-in 30 Mins.

Flow Period 10 Mins.

Final Shut-in - Mins.

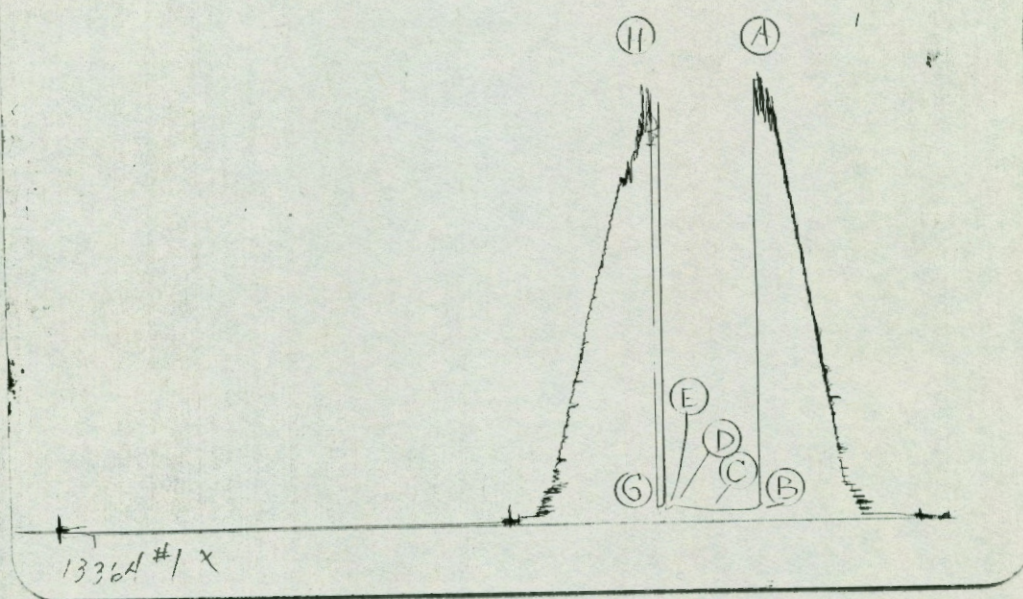
Top Choke Size 1" Hole Size 7 7/8"

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

Tool Open @ 7:20 P.M.

Blow Remarks 1st open: Weak blow, died in 20 minutes.

2nd open: No blow, flushed tool.



POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2219	PSI
(B) First Initial Flow Pressure	57	PSI
(C) First Final Flow Pressure	57	PSI
(D) Initial Closed-in Pressure	86	PSI
(E) Second Initial Flow Pressure	76	PSI
(F) Second Final Flow Pressure	—	PSI
(G) Final Closed-in Pressure	—	PSI
(H) Final Hydrostatic Mud	2209	PSI

COMPANY HESS OIL CO. LEASE AND WELL NO. OCHS #1 SEC. 32 TWP. 15S RGE. 25W TEST NO. 2 DATE 9-12-88

CHENEY TESTING CO.

DRILL STEM TEST REPORT

CHENEY TESTING COMPANY, INC.

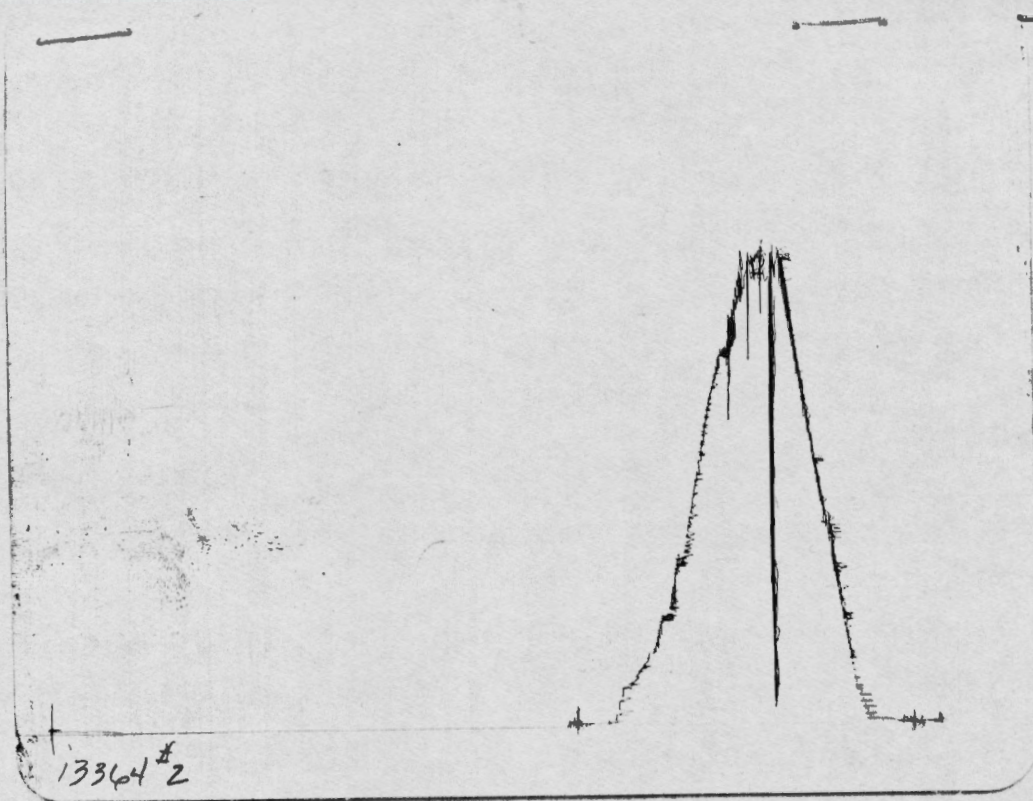
P. O. Box 367

HILL CITY, KANSAS 67642

DRILL-STEM TEST DATA

Company	Hess Oil Co.	Test No.	2
Well Name & Number	Ochs #1	Zone Tested	Mississippi
Company Address	P.O. Box 1009, McPherson, Ks. 67460	Date	9-12-88
Company Rep.	Jamie Hess	Tester	Huck Smith
Contractor	Mallard J.V.	Elevation	2479 K.B.
Location: Sec. 32 Twp. 15S Rge. 25W Co.Trego State Kan		Est. Feet of Pay	

Recorder No. 7456 Type AK-1 Range 4150 PSI	Recorder No. 13364 Type AK-1 Range 3825 PSI
Recorder Depth 4417 Clock # 23858	Recorder Depth 4420 Clock # 25559
(A) Initial Hydrostatic Mud PSI	Tool Open Before I.S.I. Mins.
(B) First Initial Flow Pressure PSI	Initial Shut-in Mins.
(C) First Final Flow Pressure PSI	Flow Period Mins.
(D) Initial Shut-in Pressure PSI	Final Shut-in Mins.
(E) Second Initial Flow Pressure PSI	Top Choke Size 1" Hole Size 7 7/8"
(F) Second Final Flow Pressure PSI	Bottom Choke Size 3/4" Rubber Size 6 3/4"
(G) Final Shut-in Pressure PSI	Tool Open @
(H) Final Hydrostatic Mud PSI	Blow Remarks MIS-RUN PACKER FAILURE
Temperature	
Mud Weight 9.4 Viscosity 41	
Fluid Loss 16.6	
Interval Tested 4385-4425	
Anchor Length 40'	
Top Packer Depth 4380	
Bottom Packer Depth 4385	
Total Depth 4425	
Drill Pipe Size 4 1/2 EX.H.	
Wt. Pipe I. D. Collars 2.25 Ft. Run 297	
Recovery-Total Feet	
Recovered Feet Of	
Recovered Feet Of	
Recovered Feet Of	
Recovered Feet Of	
Recovered Feet Of	
Recovered Feet Of	
Extra Equipment	Price of Job



POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	MISRUN PACKER FAILURE		PSI
(B) First Initial Flow Pressure			PSI
(C) First Final Flow Pressure			PSI
(D) Initial Closed-in Pressure			PSI
(E) Second Initial Flow Pressure			PSI
(F) Second Final Flow Pressure			PSI
(G) Final Closed-in Pressure			PSI
(H) Final Hydrostatic Mud			PSI

CHENEY TESTING CO.

DRILL STEM TEST REPORT

COMPANY HESS OIL CO. (OCHS #1 SEC. 32 TWP. 15S RGE. 25W TEST NO. 3 DATE 9-13-88
LEASE AND WELL NO.

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67462

DRILL-STEM TEST DATA

Company	Hess Oil Co.	Test No.	3
Well Name & Number	Ochs #1	Zone Tested	Mississippi
Company Address	P.O. Box 1009, McPherson, Ks. 67460	Date	9-13-88
Company Rep.	Jamie Hess	Tester	Huck Smith
Contractor	Mallard J.V.	Elevation	2479 K.B.
Location: Sec. 32 Twp. 15S Rge. 25W Co.Trego State Kan		Est. Feet of Pay	

Recorder No. 7456 Type AK-1 Range 4150 PSI

Recorder Depth 4417 Clock # 23858

(A) Initial Hydrostatic Mud 2345 PSI

(B) First Initial Flow Pressure 158 PSI

(C) First Final Flow Pressure 223 PSI

(D) Initial Shut-in Pressure 864 PSI

(E) Second Initial Flow Pressure 286 PSI

(F) Second Final Flow Pressure 307 PSI

(G) Final Shut-in Pressure 738 PSI

(H) Final Hydrostatic Mud 2198 PSI

Temperature 136°

Mud Weight 9.4 Viscosity 41

Fluid Loss 16.6

Interval Tested 4324-4425

Anchor Length 101

Top Packer Depth 4319

Bottom Packer Depth 4324

Total Depth 4425

Drill Pipe Size 4½ EX.H.

Wt. Pipe I. D. Collars 2.25 Ft. Run 297

Recovery-Total Feet 462

Recovered 462 Feet Of M.W.

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment

Price of Job

Recorder No. 13364 Type AK-1 Range 3825 PSI

Recorder Depth 4420 Clock # 25559

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

Initial Shut-in 30 Mins.

Flow Period 60 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"

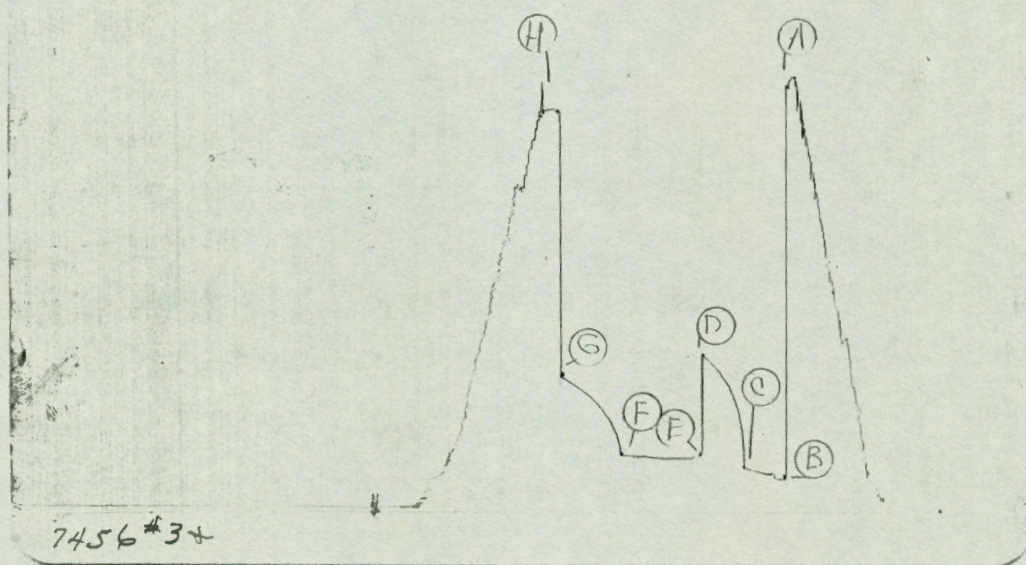
Tool Open @ 1:15 A.M.

Blow Remarks 1st open; Bottom of bucket in 20 minutes.

2nd open; Bottom of bucket in 40 minute.

Strong blow throughout test.

Chlorides: 32,000 P.P.M.



POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud	2345	PSI
(B) First Initial Flow Pressure	158	PSI
(C) First Final Flow Pressure	223	PSI
(D) Initial Closed-in Pressure	864	PSI
(E) Second Initial Flow Pressure	286	PSI
(F) Second Final Flow Pressure	307	PSI
(G) Final Closed-in Pressure	738	PSI
(H) Final Hydrostatic Mud	2198	PSI