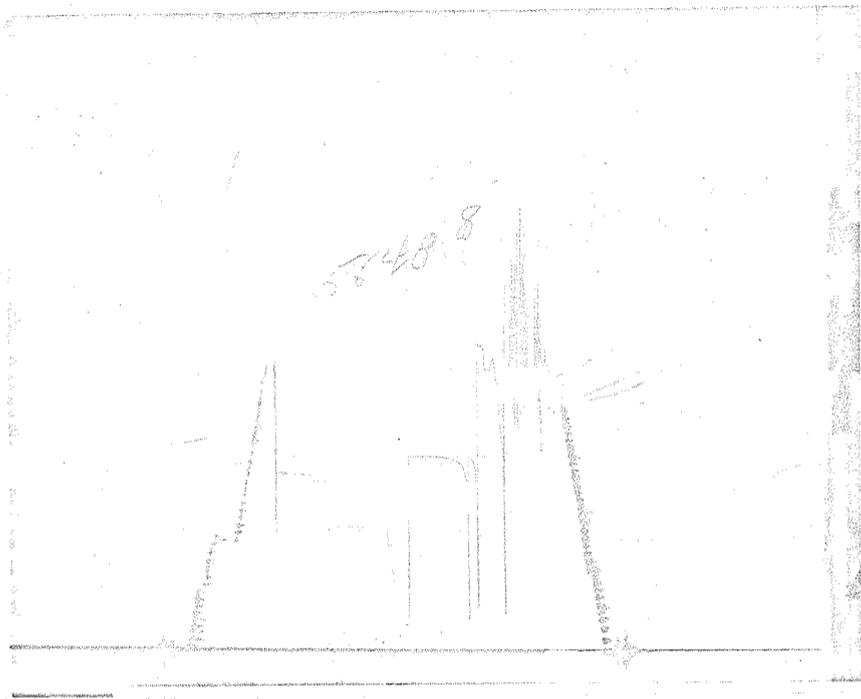


OIL WELLS SERVICE COMPANY

Date 8-19-68

DRILL STEM TEST RECOVERY REPORT

Ticket No. 5848



Company Will P. Ash Contractor American Drilling Co.

Well No. 4 Lease Borwell County Ellsworth Sec. 20 Twp 14 Rng 10

Test No. 1 Size Hole 7 7/8" Packer Size 6 3/4" Drill Pipe Size 4 1/2" X.H. 4 1/2" F.H.

Interval Tested From 2422' To 2450' Depth of Well 2450' Size Choke 5/8"

Fluid Recovered In Flexweight Temp. _____ Elev. _____

Initial Hyd. _____ P.S.I. Final Hyd. _____ P.S.I.

First Initial Flow Pressure _____ P.S.I. Opened Tool _____ 2:25 A.M. ~~####~~

First Final Flow Pressure _____ P.S.I. First Flow Pres. 30 Min.

Initial Closed-in Pressure 881 P.S.I. Initial Closed-in Pres. 45 Min.

Second Initial Flow Pressure _____ P.S.I. Second Flow Pres. 60 Min.

Second Final Flow Pressure 560 P.S.I. Final Closed-in Pres. 45 Min.

Final Closed-in Pressure 812 P.S.I.

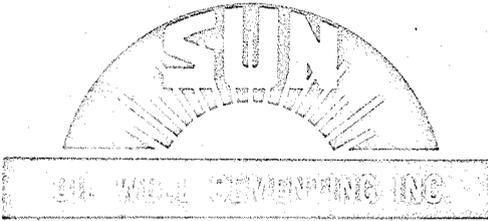
Flow Initial Open; Weak Final Open; Weak Last Half.

Recovery 1300' Drilling Mud.

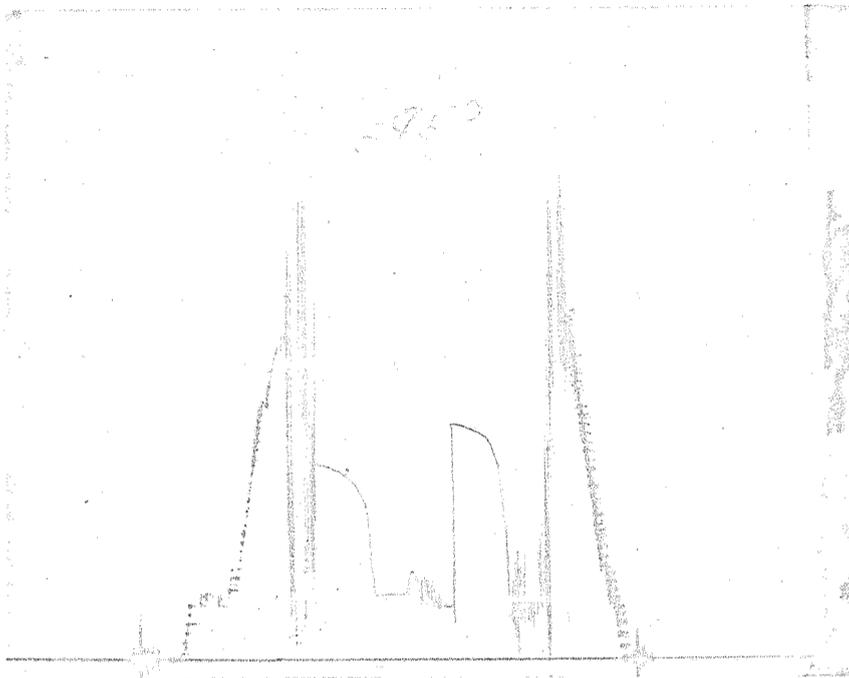
120' Hvy. Oil & Gas Cut Mud.

Remarks Hole In Drill Pipe.

Approved By Stephenson Tester Cecil Lewis



Date 8-19-68 DRILL STEM TEST RECOVERY REPORT Ticket No. 5850



Company Will P. Ash Contractor American Drlg. Co.

Well No. 4 Lease Borrell County Ellsworth Sec. 20 Twp 14 Rng 10

Test No. 2 Size Hole 7 7/8 Packer Size 6 3/4 Drill Pipe Size 4 1/2 Xh

Interval Tested From 2422 To 2450 Depth of Well 2450 Size Choke 5/8

Fluid Recovered In Flexweight Temp. 96 Elev. 1669 KB

Initial Hyd. 1776 P.S.I. Final Hyd. 1776 P.S.I.

First Initial Flow Pressure 141 P.S.I. Opened Tool 5:50 ### P.M.

First Final Flow Pressure 141 P.S.I. First Flow Pres. 30 Min.

Initial Closed-in Pressure 899 P.S.I. Initial Closed-in Pres. 45 Min.

Second Initial Flow Pressure 141 P.S.I. Second Flow Pres. 60 Min.

Second Final Flow Pressure 207 P.S.I. Final Closed-in Pres. 45 Min.

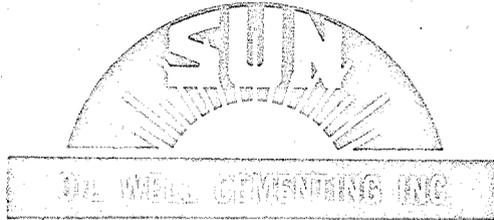
Final Closed-in Pressure 751 P.S.I.

Blow Good Thru-out test

Recovery 480° Hvy. Oil & Gas Cut Mud.

Remarks Slid Tool 10'.

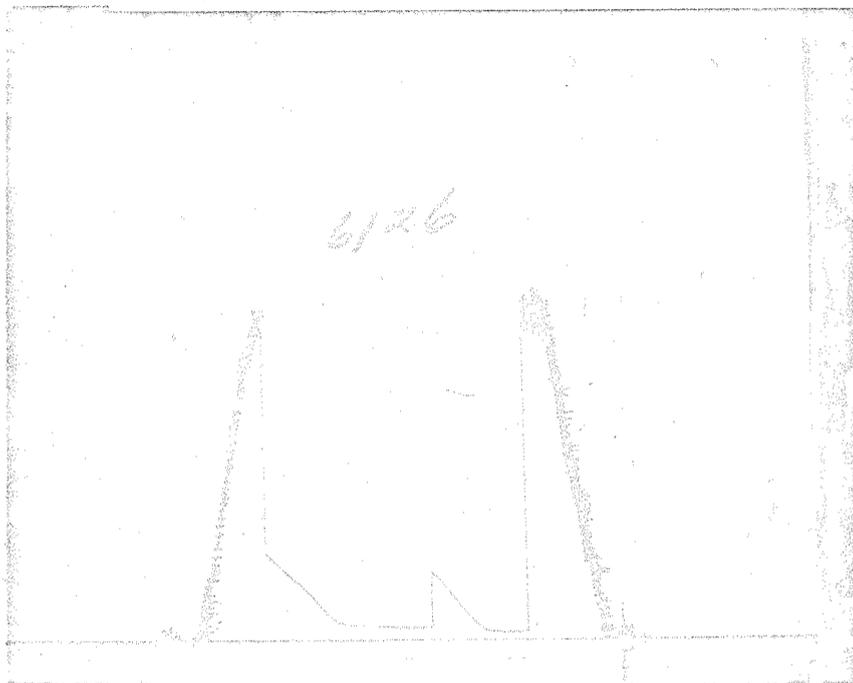
Approved By Stephenson Tester Cecil Lewis



Date 8-21-68

DRILL STEM TEST RECOVERY REPORT

Ticket No. 6126



Company Will P. Ash Contractor American Drilling Co.

Well No. 4 Lease Borrell County Ellsworth Sec. 20 Twp 14 Rng 10

Test No. 3 Size Hole 7 7/8" Packer Size 6 3/4" Drill Pipe Size 4 1/2" X.H. 4 1/2" F.H.

Interval Tested From 2810' To 2840' Depth of Well 2840' Size Choke 5/8"

Fluid Recovered In Flexweight Temp. 98 Elev. _____

Initial Hyd. 1593 P.S.I. Final Hyd. _____ P.S.I.

First Initial Flow Pressure 29 P.S.I. Opened Tool 7:00 A.M. ####

First Final Flow Pressure 36 P.S.I. First Flow Pres. 30 Min.

Initial Closed-in Pressure 314 P.S.I. Initial Closed-in Pres. 45 Min.

Second Initial Flow Pressure 43 P.S.I. Second Flow Pres. 70 Min.

Second Final Flow Pressure 51 P.S.I. Final Closed-in Pres. 60 Min.

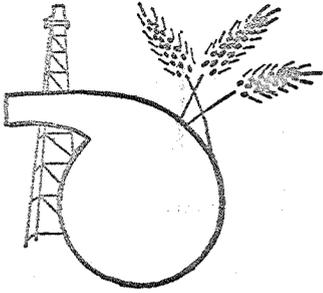
Final Closed-in Pressure 395 P.S.I.

Blow Strong Throughout Test, Weak Initial First 5 Mins.

Recovery 130' Heavy Oil & Gas Out Mud.

Remarks _____

Approved By Stephenson Tester Cecil Lewis



GORDON LAB, INC.

Railroad Avenue P. O. Box 605
GREAT BEND, KANSAS 67530

Swift 2-2549

August 22, 1968

Larry Stephenson
American Drilling Company
Lincoln, Nebraska 68500

Dear Larry:

It is impossible to evaluate either DST #1 or #2 on the Borrell #4. For the results to be meaningful it must be determined how much flow was from the formation and how much was hydrostatic mud pressure. Because of plugging the flow cannot be evaluated. However, it appears that there was little production during the test. I have extrapolated the closed in pressures from DST #1 and the large drop in pressure indicates very little reservoir.

DST #2 has not leveled off enough to extrapolate. This is an indication of almost no permeability.

Very truly yours,

A handwritten signature in cursive script that reads "Tom Gordon".

T. J. Gordon

TJG:cf

6126

KE SEMILOGARITHMIC 350-S16
KEUFFEL & ESSER CO. WARREN, N.J.
2 CYCLES X TO DIVISIONS

$$\frac{T + \theta}{\theta}$$

