

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 6999  
Name Antares Oil Corporation  
Address 1667 Cole Blvd.  
# 210  
City/State/Zip Golden, CO 80401

Purchaser N/A

Operator Contact Person William Leach  
Phone (303) 232-2209

Contractor: License # 5842  
Name Gabbart-Jones, Inc. Rig #9

Wellsite Geologist D.V. Davis, Jr.  
Phone (316) 264-7464

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If OMWO: old well Info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
6/25/80 7/4/80 7/5/80  
Spud Date Date Reached TD Completion Date  
4725  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 398 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/ 300 SX cmt  
Cement Company Name  
Invoice #

API No. 15-097420-634-0000

County Kiowa

C. NW SE 25 28S 16 East  
Sec. Twp. Rge. X West

1980 Ft North from Southeast Corner of Section  
1980 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

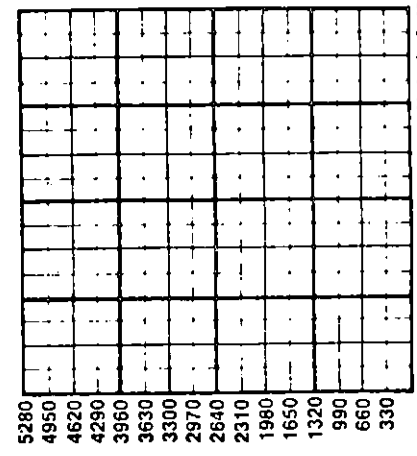
Lease Name Greiner Well # 1

Field Name Wellsford East Ext. (1S)

Producing Formation N/A

Elevation: Ground 2101 2106 KB

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # N/A  Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner  
(Well) Ft West from Southeast Corner of  
Sec Twp Rge East West

Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West

Other (explain)  
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature David E. Park, Jr.  
Title President Date April 23, 1986

Subscribed and sworn to before me this 13th day of May 1986  
Notary Public  
Date Commission Expires 4-19-88

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Timelog Received  
Distribution  
KCC SWD/Rep NGPA  
KGS Plug Other  
(Specify)

RECEIVED STATE CORPORATION COMMISSION

RECEIVED STATE CORPORATION COMMISSION

MAY 15 1986

APR 28 1986

428-86

CONSERVATION DIVISION  
Wichita, Kansas

CONSERVATION DIVISION  
Wichita, Kansas

Sec 25 Twp 28 Rge 16 W

Operator Name ... Antares Oil Corporation ... Lease Name ... Greiner ... Well #. 1

Sec. 25 ... Twp. 28S ... Rge. 16 ... East West ... County. Kiowa

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken [X] Yes [ ] No
Samples Sent to Geological Survey [X] Yes [ ] No
Cores Taken [ ] Yes [X] No

Formation Description
[X] Log [ ] Sample

See attached sheets for DST information

Table with 3 columns: Name, Top, Bottom. Rows include Heebner, Iatan, Lansing, Stark, BKC, Cherokee SN, Cherokee LM, Cherokee Sand, Mississippian, Kinderhook Shale, Kinderhook Lime, Kinderhook Chert, Kinderhook Sand.

CASING RECORD [ ] New [ ] Used

Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: Purpose of String, Size Hole Drilled, Size Casing Set (in O.D.), Weight Lbs/Ft., Setting Depth, Type of Cement, #Sacks Used, Type and Percent Additives. Row 1: Surface, 12 1/4, 8 5/8, 23#, 398, Common, 300, 2% gel 3% cc.

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Tables with 4 columns: Shots Per Foot, Specify Footage of Each Interval Perforated, (Amount and Kind of Material Used), Depth. Perforation record contains 'N/A'. Squeeze record is empty.

TUBING RECORD

Size Set At Packer at Liner Run [ ] Yes [ ] No

Date of First Production N/A

Producing Method [ ] Flowing [ ] Pumping [ ] Gas Lift [ ] Other (explain)

Table with 5 columns: Oil, Gas, Water, Gas-Oil Ratio, Gravity. Row 1: N/A Bbls, MCF, Bbls, CFPB.

METHOD OF COMPLETION

Production Interval

Disposition of gas: [ ] Vented [ ] Open Hole [ ] Perforation
[ ] Sold [ ] Other (Specify)
[ ] Used on Lease [ ] Dually Completed [ ] Conmingled

N/A ...

Handwritten annotations at the bottom of the page.



Home Office: Wichita, Kansas 67201

Company Trich, Fletcher & Antares Oil Corporation P.O. Box 1599 (316) 262-5861 Lease & Well No. Greiner #1  
 Elevation 2120 Kelly Bushing Formation Cherokee Effective Pay ----- Ft. Ticket No. 6307  
 Date 7/2/80 Sec 25 Twp 28S Range 16W County Kiowa State Kansas  
 Test Approved by Douglas V. Davis Western Representative Roger Mounts

Formation Test No. 1 Interval Tested from 4624 ft. to 4643 ft. Total Depth 4643 ft.  
 Packer Depth 4619 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4624 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4630 ft. Recorder Number 1566 Cap. 4300  
 Bottom Recorder Depth (Outside) 4633 ft. Recorder Number 3086 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Gabbert-Jones Drilling Rig #9 Drill Collar Length 178 I. D. 2.2 in.  
 Mud Type Mon-Pac Viscosity 56 Weight Pipe Length - I. D. - in.  
 Weight 9.2 Water Loss 10.8 cc. Drill Pipe Length 4419 I. D. 3.8 in.  
 Chlorides 17,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 OD in.  
 Jars: Make WIC Serial Number 407 Anchor Length 19 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak to dead in ten minutes on first opening; Dead on second opening.

Recovered 10 ft. of drilling mud  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of READ OUTSIDE RECORDER #3086

INDIVIDUAL  
 STATE CORPORATION COMMISSION  
 APR 28 1986  
 CONSERVATION DIVISION  
 Wichita, Kansas

Remarks: \_\_\_\_\_

Time Set Packer(s) 8:13 A.M. Time Started Off Bottom 10:13 P.M. Maximum Temperature 116°  
 Initial Hydrostatic Pressure ..... (A) 2254 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 23 P.S.I. to (C) 23 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 23 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 23 P.S.I. to (F) 23 P.S.I.  
 Final Closed In Period ..... Minutes 30 (G) 23 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2235 P.S.I.

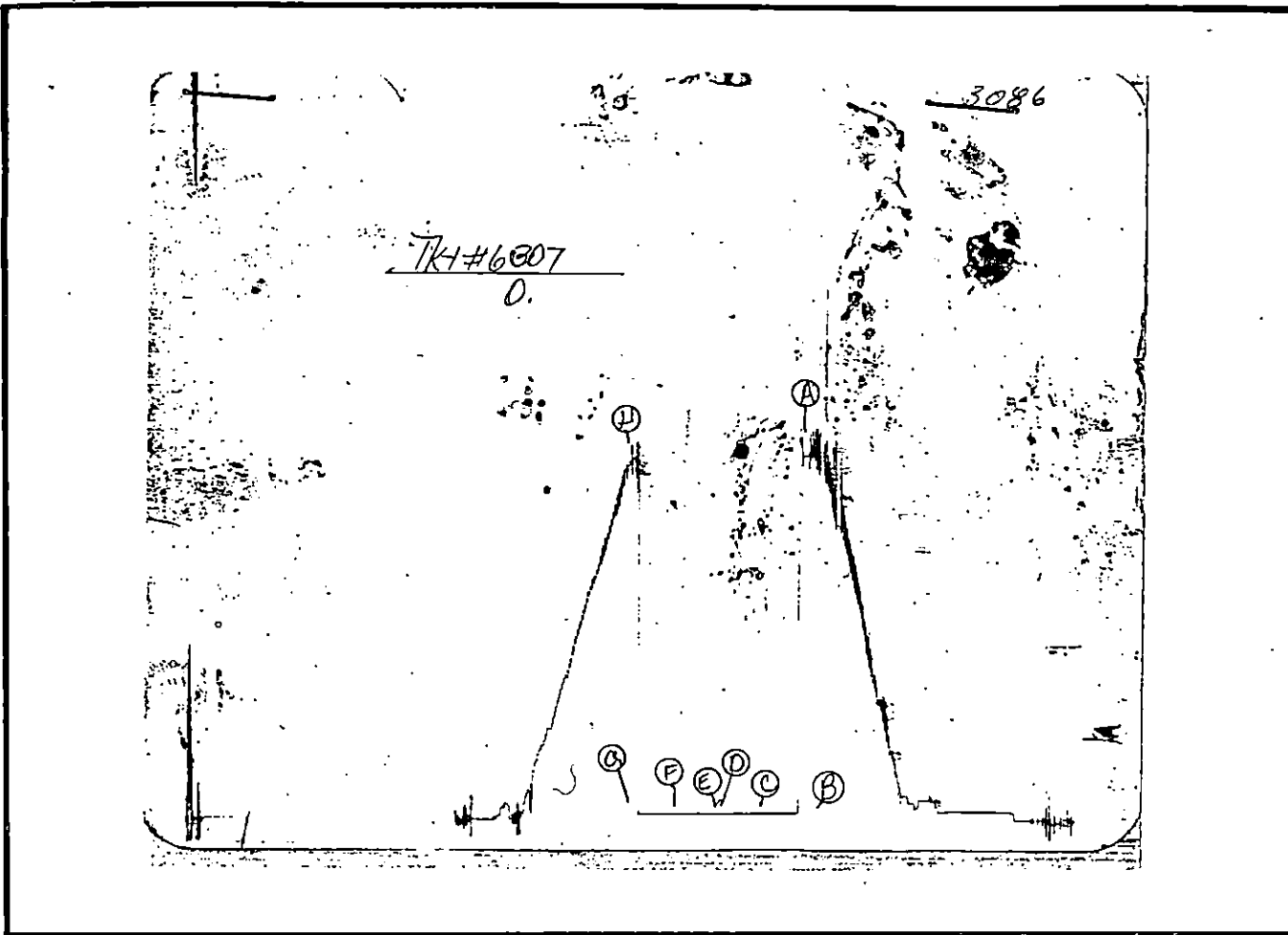
**WESTERN TESTING CO., INC.**  
Pressure Data

Date 7-2-80 Test Ticket No. 6307  
 Recorder No. 3086 Capacity 4500 Location 4633  
 Clock No. -- Elevation 2120 Kelly Bushing Well Temperature 116

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2254</u> P.S.I.	Open Tool	<u>8:13 A.M.</u>	
B First Initial Flow Pressure	<u>23</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>23</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>23</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>23</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>23</u> P.S.I.			
G Final Closed-in Pressure	<u>23</u> P.S.I.			
H Final Hydrostatic Mud	<u>2235</u> P.S.I.			

**PRESSURE BREAKDOWN .**

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>23</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>23</u>
P 2 <u>5</u>	<u>23</u>	<u>3</u>	<u>23</u>	<u>5</u>	<u>23</u>	<u>3</u>	<u>23</u>
P 3 <u>10</u>	<u>23</u>	<u>6</u>	<u>23</u>	<u>10</u>	<u>23</u>	<u>6</u>	<u>23</u>
P 4 <u>15</u>	<u>23</u>	<u>9</u>	<u>23</u>	<u>15</u>	<u>23</u>	<u>9</u>	<u>23</u>
P 5 <u>20</u>	<u>23</u>	<u>12</u>	<u>23</u>	<u>20</u>	<u>23</u>	<u>12</u>	<u>23</u>
P 6 <u>25</u>	<u>23</u>	<u>15</u>	<u>23</u>	<u>25</u>	<u>23</u>	<u>15</u>	<u>23</u>
P 7 <u>30</u>	<u>23</u>	<u>18</u>	<u>23</u>	<u>30</u>	<u>23</u>	<u>18</u>	<u>23</u>
P 8		<u>21</u>	<u>23</u>			<u>21</u>	<u>23</u>
P 9		<u>24</u>	<u>23</u>			<u>24</u>	<u>23</u>
P10		<u>27</u>	<u>23</u>			<u>27</u>	<u>23</u>
P11		<u>30</u>	<u>23</u>			<u>30</u>	<u>23</u>
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2256	2254	PSI
(B) First Initial Flow Pressure	23	23	PSI
(C) First Final Flow Pressure	23	23	PSI
(D) Initial Closed-in Pressure	23	23	PSI
(E) Second Initial Flow Pressure	23	23	PSI
(F) Second Final Flow Pressure	23	23	PSI
(G) Final Closed-in Pressure	23	23	PSI
(H) Final Hydrostatic Mud	2222	2235	PSI



Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Trich, Fletcher & Antares Oil Corporation

Greiner #1

Company Trich, Fletcher & Antares Oil Corporation Lease & Well No. Greiner #1
Elevation 2120 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 6308
Date 7/2/80 Sec. 25 Twp. 28S Range 16W County Kiowa State Kansas
Test Approved by Douglas V. Davis Western Representative Roger Mounts

Formation Test No. 2 Interval Tested from 4647 ft. to 4660 ft. Total Depth 4660 ft.
Packer Depth 4642 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Packer Depth 4647 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4649 ft. Recorder Number 1566 Cap 4300
Bottom Recorder Depth (Outside) 4652 ft. Recorder Number 3086 Cap 4500
Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Gabbert-Jones Drilling Rig #9 Drill Collar Length 178 I. D. 2.2 in.
Mud Type Mon-Pac Viscosity 48 Weight Pipe Length - I. D. - in.
Weight 9.0 Water Loss 12.6 cc. Drill Pipe Length 4442 I. D. 3.8 in.
Chlorides 17,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 407 Anchor Length 13 ft. Size 5 1/2 OD in.
Did Well Flow? No Reversed Out - Surface Choke Size 3/4 Bottom Choke Size 3/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow fifteen minutes first flow period. (No gas) Strong blow ten minutes
second flow period. (No gas)
Recovered 60 ft. of drilling mud

Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

STATE CORPORATION COMMISSION
APR 28 1986
CONSERVATION DIVISION
Wichita Kansas

Remarks:

Time Set Packer(s) 11:13 AM P.M. Time Started Off Bottom 3:43 AM P.M. Maximum Temperature 118°
Initial Hydrostatic Pressure (A) 2360 P.S.I.
Initial Flow Period Minutes 30 (B) 75 P.S.I. to (C) 57 P.S.I.
Initial Closed In Period Minutes 60 (D) 183 P.S.I.
Final Flow Period Minutes 60 (E) 183 P.S.I. to (F) 371 P.S.I.
Final Closed In Period Minutes 123 (G) 1509 P.S.I.
Final Hydrostatic Pressure (H) 2277 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7-2-80 Test Ticket No. 6308  
 Recorder No. 1566 Capacity 4300 Location 4300 Ft.  
 Clock No. -- Elevation 2120 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2360</u> P.S.I.	Open Tool	<u>11:13P</u> M.	
B First Initial Flow Pressure	<u>75</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>57</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>183</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>183</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>123</u> Mins.
F Second Final Flow Pressure	<u>371</u> P.S.I.			
G Final Closed-in Pressure	<u>1509</u> P.S.I.			
H Final Hydrostatic Mud	<u>2277</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>47</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	<u>0</u>	<u>75</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>183</u>	<u>0</u>	<u>371</u>
P 2	<u>5</u>	<u>75</u>	<u>3</u>	<u>57</u>	<u>5</u>	<u>194</u>	<u>3</u>	<u>447</u>
P 3	<u>10</u>	<u>67</u>	<u>6</u>	<u>57</u>	<u>10</u>	<u>203</u>	<u>6</u>	<u>514</u>
P 4	<u>15</u>	<u>60</u>	<u>9</u>	<u>57</u>	<u>15</u>	<u>220</u>	<u>9</u>	<u>587</u>
P 5	<u>20</u>	<u>59</u>	<u>12</u>	<u>57</u>	<u>20</u>	<u>222</u>	<u>12</u>	<u>654</u>
P 6	<u>25</u>	<u>58</u>	<u>15</u>	<u>57</u>	<u>25</u>	<u>262</u>	<u>15</u>	<u>714</u>
P 7	<u>30</u>	<u>57</u>	<u>18</u>	<u>57</u>	<u>30</u>	<u>267</u>	<u>18</u>	<u>769</u>
P 8			<u>21</u>	<u>57</u>	<u>35</u>	<u>278</u>	<u>21</u>	<u>825</u>
P 9			<u>24</u>	<u>57</u>	<u>40</u>	<u>275</u>	<u>24</u>	<u>877</u>
P10			<u>27</u>	<u>57</u>	<u>45</u>	<u>277</u>	<u>27</u>	<u>926</u>
P11			<u>30</u>	<u>57</u>	<u>50</u>	<u>261</u>	<u>30</u>	<u>972</u>
P12			<u>33</u>	<u>57</u>	<u>55</u>	<u>232</u>	<u>33</u>	<u>1020</u>
P13			<u>36</u>	<u>57</u>	<u>60</u>	<u>371</u>	<u>36</u>	<u>1062</u>
P14			<u>39</u>	<u>57</u>			<u>39</u>	<u>1100</u>
P15			<u>42</u>	<u>60</u>			<u>42</u>	<u>1136</u>
P16			<u>45</u>	<u>72</u>			<u>45</u>	<u>1167</u>
P17			<u>48</u>	<u>79</u>			<u>48</u>	<u>1201</u>
P18			<u>51</u>	<u>102</u>			<u>51</u>	<u>1224</u>
P19			<u>54</u>	<u>136</u>			<u>54</u>	<u>1254</u>
P20			<u>57</u>	<u>168</u>			<u>57</u>	<u>2176</u>
			<u>60</u>	<u>183</u>			<u>60</u>	<u>1297</u>

**WESTERN TESTING CO., INC.**  
Pressure Data

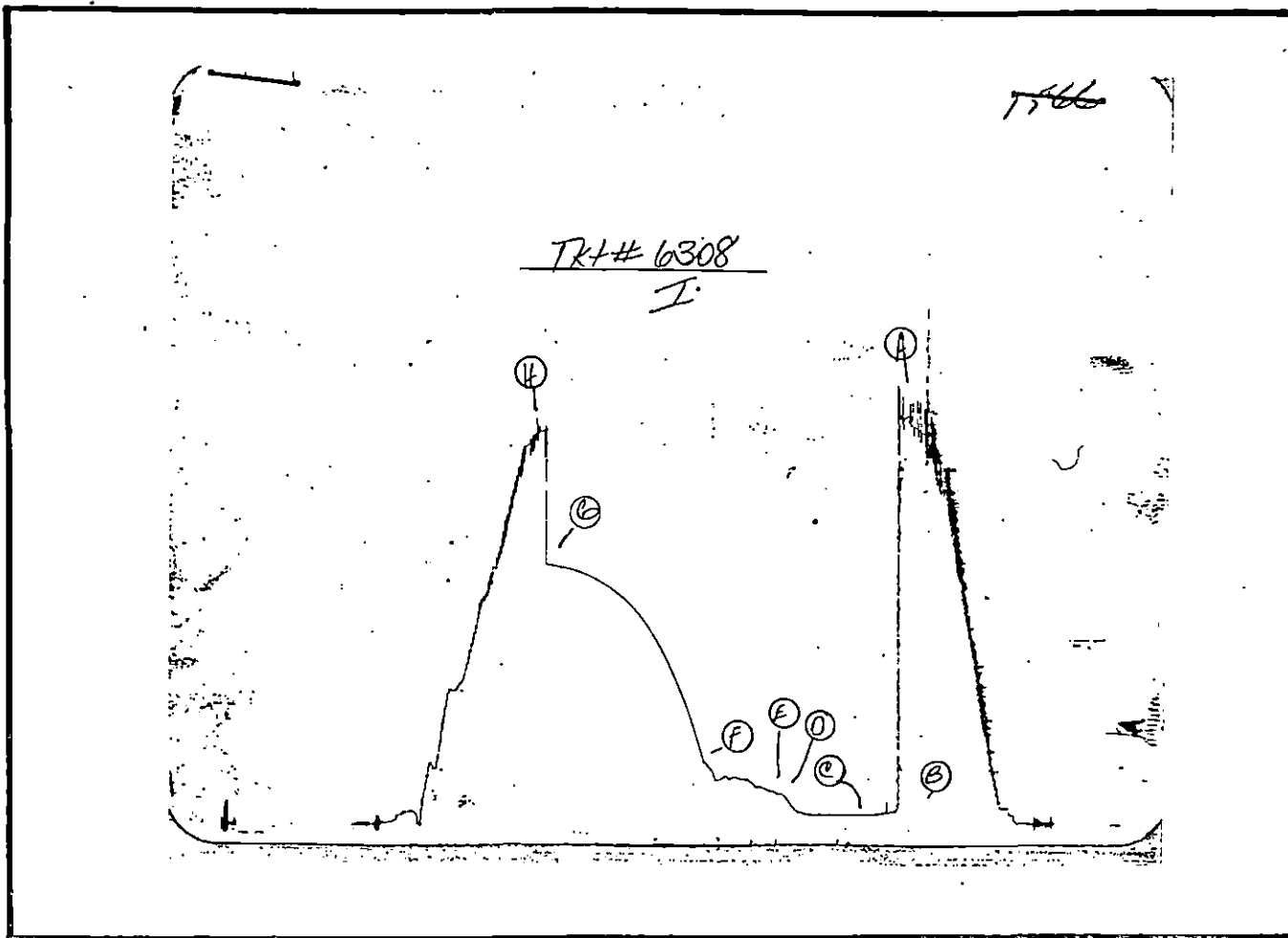
Date 7-2-80 Test Ticket No. 6308  
 Recorder No. 1566 Capacity 4300 Location 4300 Ft.  
 Clock No. -- Elevation 2120 Kelly Bushing Well Temperature 118 °F  
 Point \_\_\_\_\_ Pressure \_\_\_\_\_ Time Given \_\_\_\_\_ Time Computed \_\_\_\_\_  
 A Initial Hydrostatic Mud 2360 P.S.I. Open Tool 11:13 P.M.  
 B First Initial Flow Pressure 75 P.S.I. First Flow Pressure 30 Mins. 30 Mins.  
 C First Final Flow Pressure 57 P.S.I. Initial Closed-in Pressure 60 Mins. 60 Mins.  
 D Initial Closed-in Pressure 183 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.  
 E Second Initial Flow Pressure 183 P.S.I. Final Closed-in Pressure 120 Mins. 123 Mins.  
 F Second Final Flow Pressure 371 P.S.I.  
 G Final Closed-in Pressure 1509 P.S.I.  
 H Final Hydrostatic Mud 2277 P.S.I.

**PRESSURE BREAKDOWN**

First Flow Pressure Breakdown: 6 Inc. Initial Shut-In Breakdown: 20 Inc. Second Flow Pressure Breakdown: 12 Inc. Final Shut-In Breakdown: 41 Inc.  
 of 5 mins. and a final inc. of 0 Min. of 3 mins. and a final inc. of 0 Min. of 5 mins. and a final inc. of 0 Min. of 3 mins. and a final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1318
P 2						66	1336
P 3						69	1356
P 4						72	1371
P 5						75	1386
P 6						78	1398
P 7						81	1411
P 8						84	1424
P 9						87	1436
P10						90	1447
P11						93	1458
P12						96	1467
P13						99	1475
P14						102	1480
P15						105	1484
P16						108	1489
P17						111	1493
P18						114	1498
P19						117	1503
P20						120	1505
						123	1509





This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2351	2360	PSI
(B) First Initial Flow Pressure	75	75	PSI
(C) First Final Flow Pressure	64	57	PSI
(D) Initial Closed-in Pressure	226	183	PSI
(E) Second Initial Flow Pressure	237	183	PSI
(F) Second Final Flow Pressure	367	371	PSI
(G) Final Closed-in Pressure	1495	1509	PSI
(H) Final Hydrostatic Mud	2236	2277	PSI



Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company Trich, Fletcher & Antares Oil Corporation Lease & Well No. Greiner #1  
 Elevation 2120 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 6309  
 Date 7/3/80 Sec. 25 Twp. 28S Range 16W County Kiowa State Kansas  
 Test Approved by Douglas V. Davis Western Representative Roger Mounts

Formation Test No. 3 Interval Tested from 4646 ft. to 4670 ft. Total Depth 4670 ft.

Packer Depth 4641 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4646 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4653 ft. Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4656 ft. Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Gabbert-Jones Drilling Rig #9 Drill Collar Length 240 I. D. 2.2 in.

Mud Type Mon-Pac Viscosity 57 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 13.6 cc. Drill Pipe Length 4379 I. D. 3.8 in.

Chlorides 21,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 407 Anchor Length 24 ft. Size 5 1/2 OD in.

Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Good; dying in eight minutes; flushed tool thirteen minutes; strong blow from flush on initial flow period. Strong blow on final flow period.

Recovered 120 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks:

RECEIVED  
 STATE CORPORATION COMMISSION  
 APR 28 1986  
 CONSERVATION DIVISION  
 Wichita, Kansas

Time Set Packer(s) 4:34 AM P.M. Time Started Off Bottom 8:18 AM P.M. Maximum Temperature 128°

Initial Hydrostatic Pressure ..... (A) 2375 P.S.I.

Initial Flow Period ..... Minutes 45 (B) 92 P.S.I. to (C) 83 P.S.I.

Initial Closed In Period ..... Minutes 60 (D) 567 P.S.I.

Final Flow Period ..... Minutes 60 (E) 79 P.S.I. to (F) 76 P.S.I.

Final Closed In Period ..... Minutes 60 (G) 916 P.S.I.

Final Hydrostatic Pressure ..... (H) 2308 P.S.I.

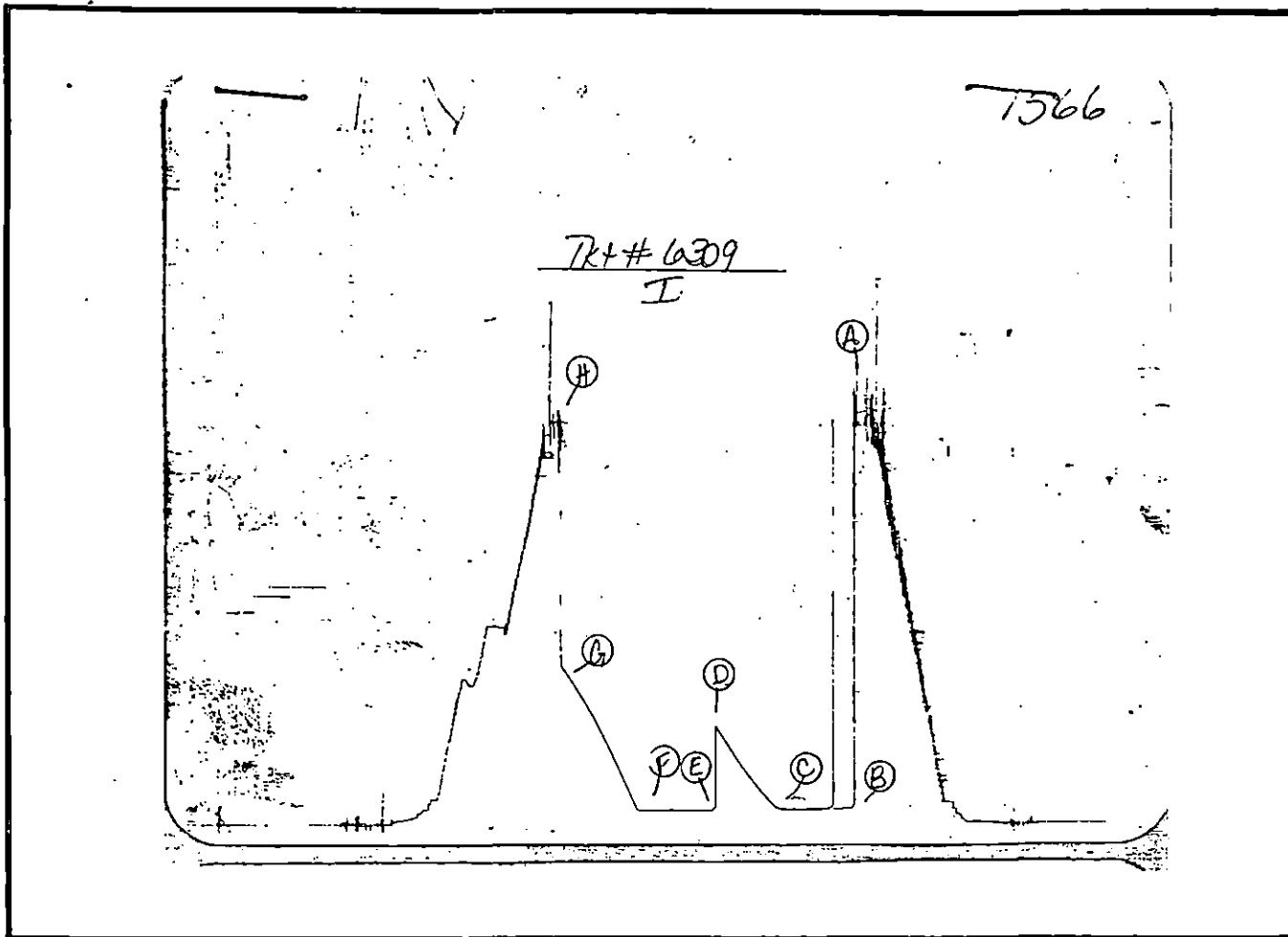
**WESTERN TESTING CO., INC.**  
Pressure Data

Date 7-3-80 Test Ticket No. 6309  
 Recorder No. 1566 Capacity 4300 Location 4653 Ft.  
 Clock No. -- Elevation 2120 Kelly Bushing Well Temperature 128 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2375</u> P.S.I.	Open Tool	<u>4:34 P.</u>	
B. First Initial Flow Pressure	<u>92</u> P.S.I.	First Flow Pressure	<u>45</u> Mins.	<u>45</u> Mins.
C. First Final Flow Pressure	<u>83</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D. Initial Closed-in Pressure	<u>567</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E. Second Initial Flow Pressure	<u>79</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F. Second Final Flow Pressure	<u>76</u> P.S.I.			
G. Final Closed-in Pressure	<u>916</u> P.S.I.			
H. Final Hydrostatic Mud	<u>2308</u> P.S.I.			

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In			
	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.			
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>92</u>	<u>0</u>	<u>83</u>	<u>0</u>	<u>79</u>	<u>0</u>	<u>76</u>
P 2 <u>5</u>	<u>89</u>	<u>3</u>	<u>83</u>	<u>5</u>	<u>76</u>	<u>3</u>	<u>133</u>
P 3 <u>10</u>	<u>88</u>	<u>6</u>	<u>83</u>	<u>10</u>	<u>76</u>	<u>6</u>	<u>187</u>
P 4 <u>15</u>	<u>85</u>	<u>9</u>	<u>85</u>	<u>15</u>	<u>76</u>	<u>9</u>	<u>235</u>
P 5 <u>20</u>	<u>85</u> Flushed Tool	<u>12</u>	<u>95</u>	<u>20</u>	<u>76</u>	<u>12</u>	<u>288</u>
P 6 <u>25</u>	<u>83</u>	<u>15</u>	<u>113</u>	<u>25</u>	<u>76</u>	<u>15</u>	<u>337</u>
P 7 <u>30</u>	<u>83</u>	<u>18</u>	<u>138</u>	<u>30</u>	<u>76</u>	<u>18</u>	<u>384</u>
P 8 <u>35</u>	<u>83</u>	<u>21</u>	<u>165</u>	<u>35</u>	<u>76</u>	<u>21</u>	<u>430</u>
P 9 <u>40</u>	<u>83</u>	<u>24</u>	<u>192</u>	<u>40</u>	<u>76</u>	<u>24</u>	<u>476</u>
P10 <u>45</u>	<u>83</u>	<u>27</u>	<u>219</u>	<u>45</u>	<u>76</u>	<u>27</u>	<u>519</u>
P11		<u>30</u>	<u>250</u>	<u>50</u>	<u>76</u>	<u>30</u>	<u>566</u>
P12		<u>33</u>	<u>280</u>	<u>55</u>	<u>76</u>	<u>33</u>	<u>609</u>
P13		<u>36</u>	<u>309</u>	<u>60</u>	<u>76</u>	<u>36</u>	<u>644</u>
P14		<u>39</u>	<u>341</u>			<u>39</u>	<u>684</u>
P15		<u>42</u>	<u>372</u>			<u>42</u>	<u>724</u>
P16		<u>45</u>	<u>407</u>			<u>45</u>	<u>759</u>
P17		<u>48</u>	<u>440</u>			<u>48</u>	<u>793</u>
P18		<u>51</u>	<u>472</u>			<u>51</u>	<u>826</u>
P19		<u>54</u>	<u>505</u>			<u>54</u>	<u>862</u>
P20		<u>57</u>	<u>537</u>			<u>57</u>	<u>888</u>
		<u>60</u>	<u>567</u>			<u>60</u>	<u>916</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2373	2375	PSI
(B) First Initial Flow Pressure	86	92	PSI
(C) First Final Flow Pressure	75	83	PSI
(D) Initial Closed-in Pressure	572	567	PSI
(E) Second Initial Flow Pressure	75	79	PSI
(F) Second Final Flow Pressure	64	76	PSI
(G) Final Closed-in Pressure	905	916	PSI
(H) Final Hydrostatic Mud	2286	2308	PSI



Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company Trich, Fletcher, & Antares Oil Corporation Lease & Well No. Greiner #1

Elevation 2120 Kelly Bushing Formation Kinderhook Effective Pay ----- Ft. Ticket No. 6310

Date 7/4/80 Sec 25 Twp 28S Range 16W County Kiowa State Kansas

Test Approved by Douglas V. Davis Western Representative Roger Mounts

Formation Test No. 4 Interval Tested from 4695 ft to 4725 ft Total Depth 4725 ft

Packer Depth 4690 ft Size 6 3/4 in. Packer Depth - ft Size - in.

Packer Depth 4695 ft Size 6 3/4 in. Packer Depth - ft Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4702 ft Recorder Number 1566 Cap. 4300

Bottom Recorder Depth (Outside) 4705 ft Recorder Number 3086 Cap. 4500

Below Straddle Recorder Depth - ft Recorder Number - Cap. -

Drilling Contractor Gabbert-Jones Drilling Rig #9 Drill Collar Length 240 I. D. 2.2 in.

Mud Type Mon-Pac Viscosity 57 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 13.6 cc Drill Pipe Length 4428 I. D. 3.8 in.

Chlorides 21,000 P.P.M. Test Tool Length 27 ft Tool Size 5 1/2 OD in.

Jars: Make WIC Serial Number 407 Anchor Length 30 ft Size 5 1/2 OD

Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Very weak blow; flushed tool in initial flow period. No blow in final flow period; flushed tool--good flush.

Recovered 15 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

FILED  
STATE CONSERVATION COMMISSION  
APR 28 1980  
CONSERVATION DIVISION  
Wichita, Kansas

Time Set Packer(s) 7:40 ~~A.M.~~ P.M. Time Started Off Bottom 9:10 ~~A.M.~~ P.M. Maximum Temperature 128°

Initial Hydrostatic Pressure ..... (A) 2360 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 36 P.S.I. to (C) 39 P.S.I.

Initial Closed In Period ..... Minutes 27 (D) 108 P.S.I.

Final Flow Period ..... Minutes 15 (E) 41 P.S.I. to (F) 39 P.S.I.

Final Closed In Period ..... Minutes 15 (G) 38 P.S.I.

Final Hydrostatic Pressure ..... (H) 2345 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 7-4-80

Test Ticket No. 6310

Recorder No. 1566 Capacity 4300

Location 4702 Ft.

Clock No. -- Elevation 2120 Kelly Bushing

Well Temperature 128<sup>0</sup> °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2360</u> P.S.I.	Open Tool	<u>7:40 P.M.</u>	
B First Initial Flow Pressure	<u>36</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>39</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>108</u> P.S.I.	Second Flow Pressure	<u>15</u> Mins.	<u>15</u> Mins.
E Second Initial Flow Pressure	<u>41</u> P.S.I.	Final Closed-in Pressure	<u>15</u> Mins.	<u>15</u> Mins.
F Second Final Flow Pressure	<u>39</u> P.S.I.			
G Final Closed-in Pressure	<u>38</u> P.S.I.			
H Final Hydrostatic Mud	<u>2345</u> P.S.I.			

**PRESSURE BREAKDOWN**

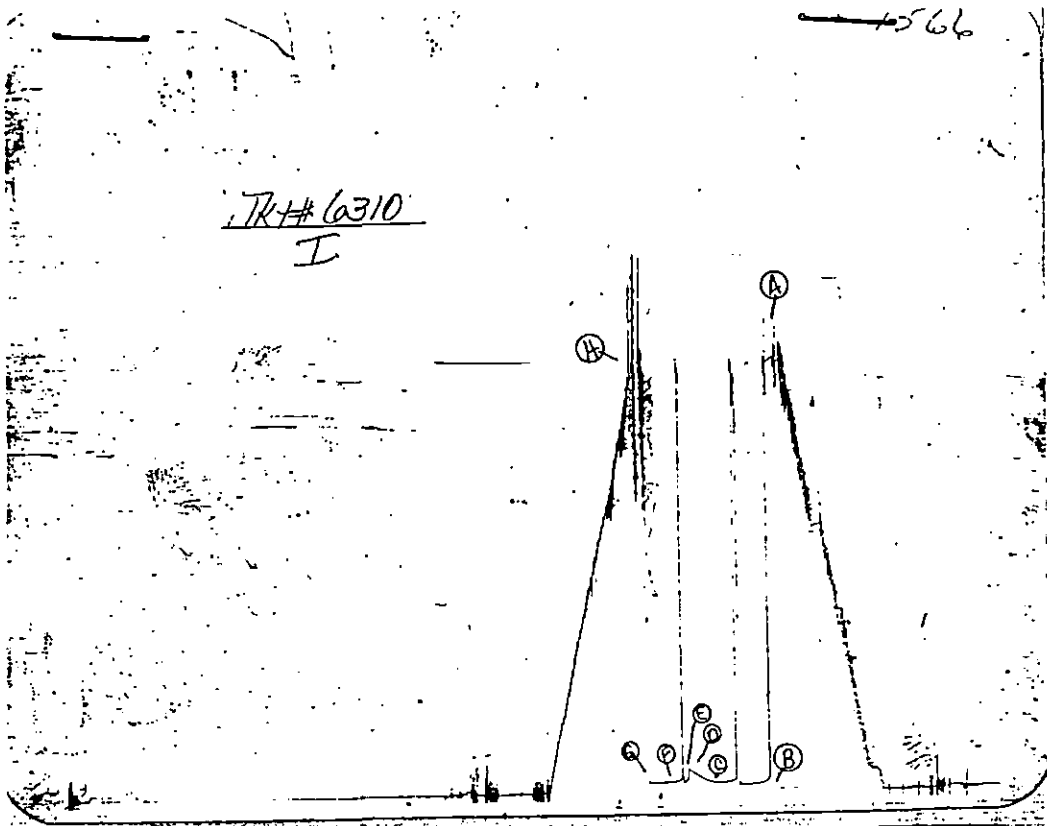
First Flow Pressure  
Breakdown: 6 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

Initial Shut-In  
Breakdown: 9 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Second Flow Pressure  
Breakdown: 3 Inc.  
of 5 mins. and a  
final inc. of 0 Min.

Final Shut-In  
Breakdown: 5 Inc.  
of 3 mins. and a  
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>36</u>	<u>0</u>	<u>39</u>	<u>0</u>	<u>41</u>	<u>0</u>	<u>39</u>
P 2 <u>5</u>	<u>32</u>	<u>3</u>	<u>39</u>	<u>5</u>	<u>49</u> Flushed Tool	<u>3</u>	<u>38</u>
P 3 <u>10</u>	<u>28</u>	<u>6</u>	<u>39</u>	<u>10</u>	<u>43</u>	<u>6</u>	<u>38</u>
P 4 <u>15</u>	<u>28</u>	<u>9</u>	<u>39</u>	<u>15</u>	<u>39</u>	<u>9</u>	<u>38</u>
P 5 <u>20</u> Flushed Tool	<u>47</u>	<u>12</u>	<u>46</u>			<u>12</u>	<u>38</u>
P 6 <u>25</u>	<u>47</u>	<u>15</u>	<u>55</u>			<u>15</u>	<u>38</u>
P 7 <u>30</u>	<u>39</u>	<u>18</u>	<u>64</u>				
P 8		<u>21</u>	<u>76</u>				
P 9		<u>24</u>	<u>92</u>				
P10		<u>27</u>	<u>108</u>				
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2362	2360	PSI
(B) First Initial Flow Pressure	21	36	PSI
(C) First Final Flow Pressure	21	39	PSI
(D) Initial Closed-in Pressure	108	108	PSI
(E) Second Initial Flow Pressure	21	41	PSI
(F) Second Final Flow Pressure	21	39	PSI
(G) Final Closed-in Pressure	21	38	PSI
(H) Final Hydrostatic Mud	2275	2345	PSI