

29-8S-32W

CONFIDENTIAL

RELEASED

ANDERSON ENERGY, INC.
API No. 15-193-20,606
#1 Halford Cattle Co.
165' N of S/2 NW/4
Sec. 29-8S-32W
Thomas County, KS

COPY

FEB 2 8 1994

FROM CONFIDENTIAL

AC0-1 Well History

Drill Stem Tests:

DST #1: 4103-32' (Lansing 'A')
30 (30) 30 & Out
Rec. 6' mud
IFP 30-30# FFP 40-40#
ISIP 1249# FSIP None

JAN 1 8

CONFIDENTIAL

DST #2: 4586-4623'
30 (30) 15 & Out
Rec. 2' mud
All pressures 30#

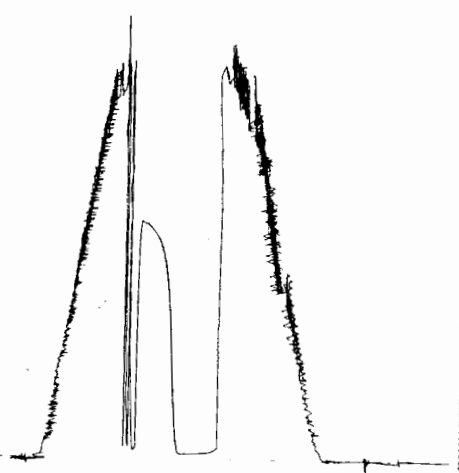
RECEIVED
STATE CORPORATION COMMISSION

JAN 2 1 1993
CONSERVATION DIVISION
WICHITA, KANSAS

12/12
DST 21

KT 19422

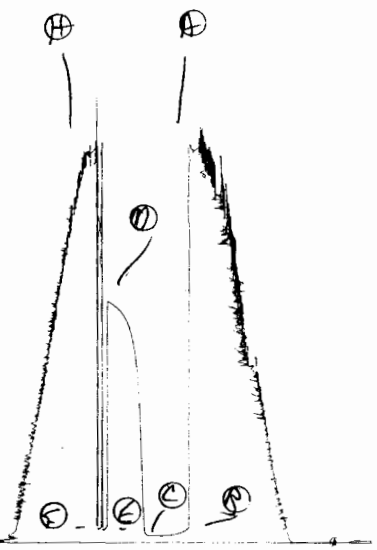
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1/3/30
DST 21

KT 19422

I





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 19473

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 3119 KB Formation L KC Eff. Pay Ft.

District Colby Date 1-7-93 Customer Order No.

COMPANY NAME Anderson Energy

ADDRESS 220 E First Suite 414 Wichita KS.

LEASE AND WELL NO. #1 Halford Cattle Co COUNTY Thomas STATE KS Sec. 29 Twp. 8 Rge. 32

Mail Invoice To Same #1 Halford Cattle Co No. Copies Requested Rec

Mail Charts To Same Address No. Copies Requested Rec

Formation Test No. 1 Interval Tested From 4103 ft. to 4132 ft. Total Depth 4132 ft.

Packer Depth 4098 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4103 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4106 ft. Recorder Number 10330 Cap. 4000

Bottom Recorder Depth (Outside) 4109 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor White & Ellis Rig #9 Drill Collar Length - I. D. - in.

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

Weight 67 Water Loss 11.2 cc. Drill Pipe Length 4083 I. D. 3 1/2 in.

Chlorides 1000 P.P.M. Test Tool Length 20 ft. Tool Size 5/200 in.

Jars: Make No Serial Number - Anchor Length 29 ft. Size 5/200 in.

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

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

Blow: IFP - Weak blow - 4" in water
FRP - No blow - flushed tool

Recovered 6 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides 1000 P.P.M. Sample Jars used - Remarks:

JAN 15 1993

Time On Location 3:00 AM P.M. Time Pick Up Tool 5:30 AM P.M. Time Off Location 11:00 AM P.M.

Time Set Packer(s) 7:50 AM P.M. Time Started Off Bottom 9:10 AM P.M. Maximum Temperature 122

Initial Hydrostatic Pressure (A) 2001 P.S.I.

Initial Flow Period Minutes 30 (B) 30 P.S.I. to (C) 50 P.S.I.

Initial Closed In Period Minutes 30 (D) 1249 P.S.I.

Final Flow Period Minutes 20 (E) 40 P.S.I. to (F) 40 P.S.I.

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

Final Hydrostatic Pressure (H) 2032 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Chris Peters & Sons Signature of Customer or his authorized representative

Western Representative Mike Shuler

Thanks!

FIELD INVOICE

Table with 2 columns: Item and Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date 1-7-93

Test Ticket No. 19472

Recorder No. _____ Capacity _____ Location _____ Ft.

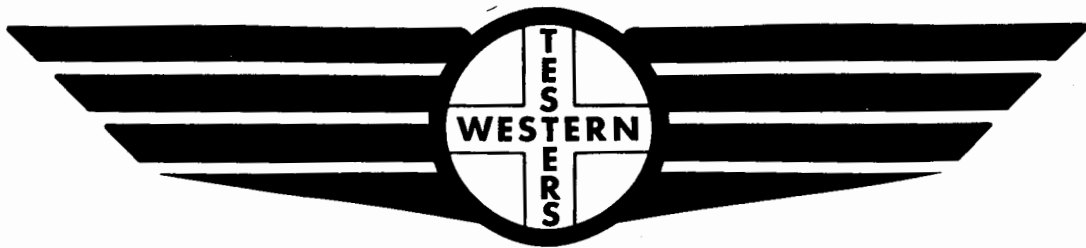
Clock No. _____ Elevation _____ Well Temperature _____ °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|-----------------|---------------|
| A Initial Hydrostatic Mud | <u>2068</u> P.S.I. | Open Tool | | M |
| B First Initial Flow Pressure | <u>35</u> P.S.I. | First Flow Pressure | <u>30</u> Mins. | |
| C First Final Flow Pressure | <u>35</u> P.S.I. | Initial Closed-in Pressure | <u>30</u> Mins. | |
| D Initial Closed-in Pressure | <u>1440</u> P.S.I. | Second Flow Pressure | <u>10</u> Mins. | |
| E Second Initial Flow Pressure | <u>91</u> P.S.I. | Final Closed-in Pressure | | |
| F Second Final Flow Pressure | <u>71</u> P.S.I. | | | |
| G Final Closed-in Pressure | | | | |
| H Final Hydrostatic Mud | <u>2076</u> P.S.I. | | | |

PRESSURE BREAKDOWN

| First Flow Pressure | | Initial Shut-In | | Second Flow Pressure | | Final Shut-In | |
|-----------------------------|-----------|-----------------------------|-------------|-----------------------------|---------------|-----------------------------|--------|
| Breakdown: _____ Inc. | | Breakdown: _____ Inc. | | Breakdown: _____ Inc. | | Breakdown: _____ Inc. | |
| of <u>5</u> mins. and a | | of <u>3</u> mins. and a | | of <u>5</u> mins. and a | | of <u>3</u> mins. and a | |
| final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | |
| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 0 | <u>28</u> | 0 | <u>2068</u> | 0 | <u>21</u> | 0 | |
| P 2 5 | | 3 | <u>206</u> | 5 | <u>206 FT</u> | 3 | |
| P 3 10 | | 6 | <u>561</u> | 10 | <u>21</u> | 6 | |
| P 4 15 | | 9 | <u>899</u> | 15 | | 9 | |
| P 5 20 | | 12 | <u>1040</u> | 20 | | 12 | |
| P 6 25 | | 15 | <u>1151</u> | 25 | | 15 | |
| P 7 30 | <u>35</u> | 18 | <u>1173</u> | 30 | | 18 | |
| P 8 35 | | 21 | <u>1203</u> | 35 | | 21 | |
| P 9 40 | | 24 | <u>1228</u> | 40 | | 24 | |
| P10 45 | | 27 | <u>1244</u> | 45 | | 27 | |
| P11 50 | | 30 | <u>1263</u> | 50 | | 30 | |
| P12 55 | | 33 | | 55 | | 33 | |
| P13 60 | | 36 | | 60 | | 36 | |
| P14 65 | | 39 | | 65 | | 39 | |
| P15 70 | | 42 | | 70 | | 42 | |
| P16 75 | | 45 | | 75 | | 45 | |
| P17 80 | | 48 | | 80 | | 48 | |
| P18 85 | | 51 | | 85 | | 51 | |
| P19 90 | | 54 | | 90 | | 54 | |
| P20 95 | | 57 | | 95 | | 57 | |
| 100 | | 60 | | 100 | | 60 | |

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY ANDERSON ENERGY, INC. LEASE & WELL NO. #1 HALFORD CATTLE SEC. 29 TWP. 8S RGE. 32W TEST NO. 1 DATE 1/7/93
CO.

DST REPORT

GENERAL INFORMATION

| | | | |
|-----------|-------------------------|----------------|-------------------------|
| DATE | : 1/7/93 | TICKET | : 19473 |
| CUSTOMER | : ANDERSON ENERGY, INC. | LEASE | : HALFORD CATTLE CO. |
| WELL | : 1 | TEST: 1 | GEOLOGIST: CHRIS PETERS |
| ELEVATION | : 3119 KB | FORMATION | : L KANSAS CITY |
| SECTION | : 29 | TOWNSHIP | : 8S |
| RANGE | : 32W | COUNTY: THOMAS | STATE : KS |
| GAUGE SN# | : 10330 | RANGE : 4000 | CLOCK : 12 |

WELL INFORMATION

| | | | | | |
|----------------------------|------------|--------------------|------------|------------|-----------|
| PERFORATION INTERVAL FROM: | 4103.00 ft | TO: | 4132.00 ft | TVD: | 4132.0 ft |
| DEPTH OF SELECTIVE ZONE: | | | | TEST TYPE: | OIL |
| DEPTH OF RECORDERS: | 4106.0 ft | | 4109.0 ft | | |
| TEMPERATURE: | 122.0 | | | | |
| DRILL COLLAR LENGTH: | 0.0 ft | I.D.: | | 0.000 in | |
| WEIGHT PIPE LENGTH : | 0.0 ft | I.D.: | | 0.000 in | |
| DRILL PIPE LENGTH : | 4083.0 ft | I.D.: | | 3.800 in | |
| TEST TOOL LENGTH : | 20.0 ft | TOOL SIZE : | | 5.500 in | |
| ANCHOR LENGTH : | 29.0 ft | ANCHOR SIZE: | | 5.500 in | |
| SURFACE CHOKE SIZE : | 0.750 in | BOTTOM CHOKE SIZE: | | 0.750 in | |
| MAIN HOLE SIZE : | 7.875 in | TOOL JOINT SIZE : | | 4.5XH | |
| PACKER DEPTH: | 4098.0 ft | SIZE: | | 6.750 in | |
| PACKER DEPTH: | 4103.0 ft | SIZE: | | 6.750 in | |
| PACKER DEPTH: | 0.0 ft | SIZE: | | 0.000 in | |
| PACKER DEPTH: | 0.0 ft | SIZE: | | 0.000 in | |

MUD INFORMATION

| | | | |
|-----------------|---------------------|----------------|-----------|
| DRILLING CON. : | WHITE & ELLIS RIG 9 | VISCOSITY : | 46.00 cp |
| MUD TYPE : | CHEMICAL | WATER LOSS: | 11.200 cc |
| WEIGHT : | 8.700 ppg | SERIAL NUMBER: | |
| CHLORIDES : | 1000 ppm | REVERSED OUT?: | NO |
| JARS-MAKE : | | | |
| DID WELL FLOW?: | NO | | |

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW, 1/4 INCH IN WATER.
FINAL FLOW PERIOD NO BLOW, FLUSHED TOOL.

DST REPORT (CONTINUED)

FLUID RECOVERY

| Feet of Fluid | % Oil | % Gas | % Water | % Mud | Comments |
|---------------|-------|-------|---------|-------|-----------------------|
| 6.0 | 0.0 | 0.0 | 0.0 | 100.0 | MUD |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | CHLORIDES 1000 P.P.M. |

RATE INFORMATION

| | | | | | |
|---------------|--------|-----|---------------------|---------|-------|
| OIL VOLUME: | 0.0000 | STB | TOTAL FLOW TIME: | 40.0000 | min. |
| GAS VOLUME: | 0.0000 | SCF | AVERAGE OIL RATE: | 0.0000 | STB/D |
| MUD VOLUME: | 0.0842 | STB | AVERAGE WATER RATE: | 0.0000 | STB/D |
| WATER VOLUME: | 0.0000 | STB | | | |
| TOTAL FLUID : | 0.0842 | STB | | | |

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2051.00

| Description | Duration | p1 | p End |
|-----------------|----------|-------|---------|
| INITIAL FLOW | 30.00 | 30.00 | 30.00 |
| INITIAL SHUT-IN | 30.00 | | 1249.00 |
| FINAL FLOW | 20.00 | 40.00 | 40.00 |
| FINAL SHUT-IN | 0.00 | | 0.00 |

FINAL HYDROSTATIC PRESSURE: 2032.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2068.00

| Description | Duration | p1 | p End |
|-----------------|----------|-------|---------|
| INITIAL FLOW | 30.00 | 38.00 | 38.00 |
| INITIAL SHUT-IN | 30.00 | | 1263.00 |
| FINAL FLOW | 10.00 | 91.00 | 71.00 |

FINAL HYDROSTATIC PRESSURE: 2046.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

| | |
|----------------------------------|----------------------------|
| DATE : 1/7/93 | TICKET : 19473 |
| CUSTOMER : ANDERSON ENERGY, INC. | LEASE : HALFORD CATTLE CO. |
| WELL : 1 TEST: 1 | GEOLOGIST: CHRIS PETERS |
| ELEVATION: 3119 KB | FORMATION: L KANSAS CITY |
| SECTION : 29 | TOWNSHIP : 8S |
| RANGE : 32W COUNTY: THOMAS | STATE : KS |
| GAUGE SN#: 10330 RANGE : 4000 | CLOCK : 12 |

INITIAL FLOW

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 0.00 | 38.00 | 38.00 |
| 5.00 | 38.00 | 0.00 |
| 10.00 | 38.00 | 0.00 |
| 15.00 | 38.00 | 0.00 |
| 20.00 | 38.00 | 0.00 |
| 25.00 | 38.00 | 0.00 |
| 30.00 | 38.00 | 0.00 |

INITIAL SHUT IN

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------|-----------------|----------------|-----------------|
| 3.00 | 206.00 | 206.00 | 6.00 |
| 6.00 | 561.00 | 355.00 | 3.50 |
| 9.00 | 879.00 | 318.00 | 2.67 |
| 12.00 | 1040.00 | 161.00 | 2.25 |
| 15.00 | 1131.00 | 91.00 | 2.00 |
| 18.00 | 1173.00 | 42.00 | 1.83 |
| 21.00 | 1203.00 | 30.00 | 1.71 |
| 24.00 | 1228.00 | 25.00 | 1.63 |
| 27.00 | 1244.00 | 16.00 | 1.56 |
| 30.00 | 1263.00 | 19.00 | 0.00 |

FINAL FLOW

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 0.00 | 91.00 | 91.00 |

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

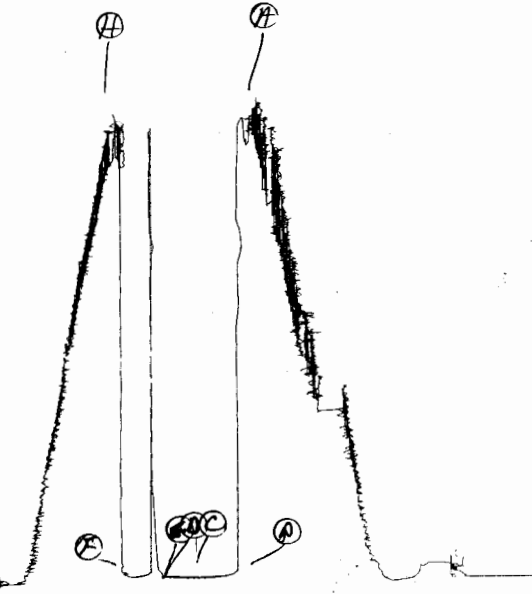
| <u>Time</u> <u>(min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------------|-----------------|----------------|
| 5.00 | 76.00 | -15.00 |
| 10.00 | 71.00 | -5.00 |

FINAL SHUT IN

| <u>Time</u> <u>(min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------------|-----------------|----------------|-----------------|
| | | | No Data Entered |

10330
CS 742

KT 19474
I



13460
AS 742

KT 19474
O





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No. 19474

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 3119 *B Formation Cherokee Eff. Pay _____ Ft.

District Colby Date 1-9-93 Customer Order No. _____

COMPANY NAME Anderson Energy

ADDRESS 200 E First Suite 414 Wichita KS.

LEASE AND WELL NO. #1 Halford Cattle COUNTY Thomas STATE KS Sec. 29 Twp. 8 Rge. 32

Mail Invoice To Same #1 Halford Cattle Co. No. Copies Requested Reg

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 4586 ft. to 4623 ft. Total Depth 4623 ft.

Packer Depth 4561 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4586 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4589 ft. Recorder Number 10330 Cap. 4000

Bottom Recorder Depth (Outside) 4592 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor White & Ellis Rig #9 Drill Collar Length - I. D. - in.

Mud Type Chemical Viscosity 61 Weight Pipe Length - I. D. - in.

Weight 8.7 Water Loss 10.0 cc. Drill Pipe Length 4566 I. D. 3.8 in.

Chlorides 1.000 P.P.M. Test Tool Length 20 ft. Tool Size 5/200 in.

Jars: Make Jc Serial Number - Anchor Length 37 ft. Size 5/200 in.

Did Well Flow? Jc Reversed Out Jc Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

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

Blow: IFP - Weak blow - died in 20 min

FFP - Jc blow - flushed tool -

Recovered 2 ft. of mud

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

JAN 15 1993

Chlorides 1.500 P.P.M. Sample Jars used _____ Remarks: _____

Time On Location 1200 (A.M./P.M.) Time Pick Up Tool 515 (A.M./P.M.) Time Off Location 1202 (A.M./P.M.)

Time Set Packer(s) 715 (A.M./P.M.) Time Started Off Bottom 840 (A.M./P.M.) Maximum Temperature 129

Initial Hydrostatic Pressure (A) 2341 P.S.I.

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

Initial Closed In Period Minutes 30 (D) 30 P.S.I.

Final Flow Period Minutes 25 (E) 30 P.S.I. to (F) 30 P.S.I.

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

Final Hydrostatic Pressure (H) 2341 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Chris Pottas 1/15
Signature of Customer or his authorized representative

Western Representative Mike Schubert

Thanks!

FIELD INVOICE

| | |
|----------------|--------|
| Open Hole Test | \$ 600 |
| Misrun | \$ |
| Straddle Test | \$ |
| Jars | \$ |
| Selective Zone | \$ |
| Safety Joint | \$ |
| Standby | \$ |
| Evaluation | \$ |
| Extra Packer | \$ |
| Circ. Sub. | \$ |
| Mileage | \$ |
| Fluid Sampler | \$ |
| Extra Charts | \$ |
| Insurance | \$ |
| Telecopier | \$ |
| TOTAL | \$ |

WESTERN TESTING CO., INC.

Pressure Data

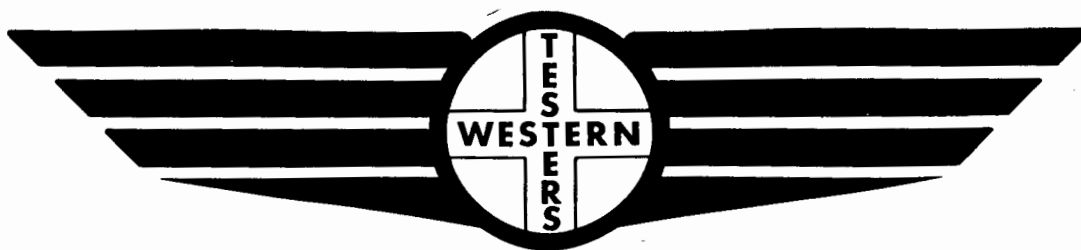
Date 1-9-93 Test Ticket No. 194-14
 Recorder No. 10530 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

| Point | Pressure | | Time Given | Time Computed |
|--------------------------------|--------------------|----------------------------|----------------|-----------------|
| A Initial Hydrostatic Mud | <u>2357</u> P.S.I. | Open Tool | | M |
| B First Initial Flow Pressure | <u>30</u> P.S.I. | First Flow Pressure | <u>30</u> Mins | <u>30</u> Mins. |
| C First Final Flow Pressure | <u>30</u> P.S.I. | Initial Closed-in Pressure | <u>30</u> Mins | <u>30</u> Mins. |
| D Initial Closed-in Pressure | <u>30</u> P.S.I. | Second Flow Pressure | <u>25</u> Mins | <u>25</u> Mins. |
| E Second Initial Flow Pressure | <u>30</u> P.S.I. | Final Closed-in Pressure | _____ Mins | _____ Mins. |
| F Second Final Flow Pressure | <u>30</u> P.S.I. | | | |
| G Final Closed-in Pressure | _____ P.S.I. | | | |
| H Final Hydrostatic Mud | <u>2357</u> P.S.I. | | | |

PRESSURE BREAKDOWN

| First Flow Pressure | | Initial Shut-In | | Second Flow Pressure | | Final Shut-In | |
|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|-----------|-----------------------------|--------|
| Breakdown: _____ Inc. | | Breakdown: _____ Inc. | | Breakdown: _____ Inc. | | Breakdown: _____ Inc. | |
| of <u>5</u> mins. and a | | of <u>3</u> mins. and a | | of <u>5</u> mins. and a | | of <u>3</u> mins. and a | |
| final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | | final inc. of <u>0</u> Min. | |
| Point Mins. | Press. | Point Minutes | Press. | Point Minutes | Press. | Point Minutes | Press. |
| P 1 0 | <u>30</u> | 0 | <u>30</u> | 0 | <u>30</u> | 0 | |
| P 2 5 | <u>30</u> | 3 | <u>30</u> | 5 <u>50</u> | <u>30</u> | 3 | |
| P 3 10 | <u>30</u> | 6 | <u>30</u> | 10 <u>41</u> | <u>30</u> | 6 | |
| P 4 15 | <u>30</u> | 9 | <u>30</u> | 15 <u>34</u> | <u>30</u> | 9 | |
| P 5 20 | <u>30</u> | 12 | <u>30</u> | 20 <u>30</u> | <u>30</u> | 12 | |
| P 6 25 | <u>30</u> | 15 | <u>30</u> | 25 <u>42</u> | <u>30</u> | 15 | |
| P 7 30 | <u>30</u> | 18 | <u>30</u> | 30 | | 18 | |
| P 8 35 | | 21 | | 35 | | 21 | |
| P 9 40 | | 24 | | 40 | | 24 | |
| P10 45 | | 27 | | 45 | | 27 | |
| P11 50 | | 30 | | 50 | | 30 | |
| P12 55 | | 33 | | 55 | | 33 | |
| P13 60 | | 36 | | 60 | | 36 | |
| P14 65 | | 39 | | 65 | | 39 | |
| P15 70 | | 42 | | 70 | | 42 | |
| P16 75 | | 45 | | 75 | | 45 | |
| P17 80 | | 48 | | 80 | | 48 | |
| P18 85 | | 51 | | 85 | | 51 | |
| P19 90 | | 54 | | 90 | | 54 | |
| P20 95 | | 57 | | 95 | | 57 | |
| 100 | | 60 | | 100 | | 60 | |

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800-688-7021

COMPANY ANDERSON ENERGY, INC. LEASE & WELL NO#1 HALFORD CATTLE COSEC. 29 TWP. 8S RGE. 32W TEST NO. 2 DATE 1/9/93

DST REPORT

GENERAL INFORMATION

DATE : 1/9/93
CUSTOMER : ANDERSON ENERGY, INC.
WELL : 1 TEST: 2
ELEVATION: 3119 KB
SECTION : 29
RANGE : 32W COUNTY: THOMAS
GAUGE SN#: 10330 RANGE : 4000
TICKET : 19474
LEASE : HALFORD CATTLE CO.
GEOLOGIST: CHRIS PETERS
FORMATION: CHEROKEE
TOWNSHIP : 8S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4586.00 ft TO: 4623.00 ft TVD: 4623.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4589.0 ft 4592.0 ft
TEMPERATURE: 129.0
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4566.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 37.0 ft ANCHOR SIZE: 5.500 in
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH
PACKER DEPTH: 4581.0 ft SIZE: 6.750 in
PACKER DEPTH: 4586.0 ft SIZE: 6.750 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : WHITE & ELLIS RIG 9
MUD TYPE : CHEMICAL VISCOSITY : 61.00 cp
WEIGHT : 8.700 ppg WATER LOSS: 10.000 cc
CHLORIDES : 1000 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW, DIED IN 20 MINUTES.
FINAL FLOW PERIOD NO BLOW, FLUSHED TOOL.

DST REPORT (CONTINUED)

FLUID RECOVERY

| Feet of Fluid | % Oil | % Gas | % Water | % Mud | Comments |
|------------------|----------|----------|------------|----------|------------------------------|
| 2.0 | 0.0 | 0.0 | 0.0 | 100.0 | MUD CHLORIDES 1500 P.P.M. |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |

RATE INFORMATION

| | | | |
|---------------|------------|---------------------|--------------|
| OIL VOLUME: | 0.0000 STB | TOTAL FLOW TIME: | 55.0000 min. |
| GAS VOLUME: | 0.0000 SCF | AVERAGE OIL RATE: | 0.0000 STB/D |
| MUD VOLUME: | 0.0281 STB | AVERAGE WATER RATE: | 0.0000 STB/D |
| WATER VOLUME: | 0.0000 STB | | |
| TOTAL FLUID : | 0.0281 STB | | |

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2341.00

| Description | Duration | p1 | p End |
|-----------------|----------|-------|-------|
| INITIAL FLOW | 30.00 | 30.00 | 30.00 |
| INITIAL SHUT-IN | 30.00 | | 30.00 |
| FINAL FLOW | 25.00 | 30.00 | 30.00 |
| FINAL SHUT-IN | 0.00 | | 0.00 |

FINAL HYDROSTATIC PRESSURE: 2341.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2357.00

| Description | Duration | p1 | p End |
|-----------------|----------|-------|-------|
| INITIAL FLOW | 30.00 | 30.00 | 30.00 |
| INITIAL SHUT-IN | 30.00 | | 32.00 |
| FINAL FLOW | 25.00 | 32.00 | 43.00 |

FINAL HYDROSTATIC PRESSURE: 2357.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

| | |
|----------------------------------------------------|----------------------------|
| DATE : 1/9/93 | TICKET : 19474 |
| CUSTOMER : ANDERSON ENERGY, INC. | LEASE : HALFORD CATTLE CO. |
| WELL : 1 TEST: 2 | GEOLOGIST: CHRIS PETERS |
| ELEVATION: 3119 KB | FORMATION: CHEROKEE |
| SECTION : 29 | TOWNSHIP : 8S |
| RANGE : 32W COUNTY: THOMAS | STATE : KS |
| GAUGE SN#: 10330 RANGE : 4000 | CLOCK : 12 |

INITIAL FLOW

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 0.00 | 30.00 | 30.00 |
| 5.00 | 30.00 | 0.00 |
| 10.00 | 30.00 | 0.00 |
| 15.00 | 30.00 | 0.00 |
| 20.00 | 30.00 | 0.00 |
| 25.00 | 30.00 | 0.00 |
| 30.00 | 30.00 | 0.00 |

INITIAL SHUT IN

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------|-----------------|----------------|-----------------|
| 3.00 | 30.00 | 30.00 | 6.00 |
| 6.00 | 31.00 | 1.00 | 3.50 |
| 9.00 | 31.00 | 0.00 | 2.67 |
| 12.00 | 32.00 | 1.00 | 2.25 |
| 15.00 | 32.00 | 0.00 | 2.00 |
| 18.00 | 32.00 | 0.00 | 1.83 |
| 21.00 | 32.00 | 0.00 | 1.71 |
| 24.00 | 32.00 | 0.00 | 1.63 |
| 27.00 | 32.00 | 0.00 | 1.56 |
| 30.00 | 32.00 | 0.00 | 0.00 |

FINAL FLOW

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 0.00 | 32.00 | 32.00 |

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> |
|-----------------------|-----------------|----------------|
| 5.00 | 50.00 | 18.00 |
| 10.00 | 41.00 | -9.00 |
| 15.00 | 34.00 | -7.00 |
| 20.00 | 30.00 | -4.00 |
| 25.00 | 43.00 | 13.00 |

FINAL SHUT IN

| <u>Time (min)</u> | <u>Pressure</u> | <u>Delta P</u> | <u>Horner T</u> |
|-----------------------|-----------------|----------------|-----------------|
| | | | No Data Entered |