

ORIGINAL

Date 11-22-1993 Location 75° 3'-S - 90° - W - 8-21-11^S 1806 K.B. Elevation 1797 County STAFFORD

Company E.G. Hall Company Number of Copies 5

Charts Mailed to 1427 East Kellogg P.O. Box 780167 - Wichita Kansas 67278-0167

Drilling Contractor Steering Drilling Rig #4

Length Drill Pipe 2936 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars 428 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3390 Bottom Packer Depth 3385 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3385 TO 3415 ANCHOR LENGTH 30 TOTAL DEPTH 3415 Hole Size 7 7/8"

LEASE & WELL NO. KEELER # 2-8 FORMATION TESTED ARBUCKLE TEST NO. 1

Mud Weight 9.31 Viscosity 55 Water Loss 9.4 Chlorides - Pits 4000 D.S.T. _____

Maximum Temp. 107 °F Initial Hydrostatic Pressure (A) 1682 P.S.I. Final Hydrostatic Pressure (H) 1638 P.S.I.

Tool Open I.F.P. from 1:15 Pm to 1:45 Pm 30 min

Tool Closed I.C.I.P. from 1:45 Pm to 2:45 Pm 60 min

Tool Open F.F.P. from 2:45 Pm to 3:15 Pm 30 min

Tool Closed F.C.I.P. from 3:15 Pm to 3:45 Pm 60 min

Initial Blow Fair blow - built to the bottom of a 5 GALLON bucket in 17 minutes

Final Blow Fair blow built to 8 inches into the water

Total Feet Recovered 380 Gravity of Oil 43 1/2 Corrected

300 Feet of Gas in the Pipe **KCC** % Gas _____ % Oil _____ % Mud _____ % Water _____

260 Feet of CLEAN GASSY Oil % Gas _____ % Oil _____ % Mud _____ % Water _____

60 Feet of GASSY oil cut mud **FEB 21 1994** 24% Gas 12% Oil 60% Mud 2% Water

60 Feet of GASSY Oil Cut Mud **CONFIDENTIAL** 48% Gas 12% Oil 38% Mud 2% Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of **RELEASED** _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of **1149 1 4 1996** _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water _____

Remarks _____

Extra Equipment - Jars NONE Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 11088 Clock No. 47441 Depth 3409 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3412 Insurance NONE

Price of Job _____

Tool Operator Alan Gudig

Approved By _____

Superior Testers Enterprises, Inc. shall not be liable for damage 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, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Superior Testers Enterprises, Inc.

795-3323

R.R. 3, Box 295B, Great Bend, Kansas 67530

(316) 792-6902

API # 15-185-22948

Date 11-23-1993 Location 75°S-5'W 1W-5'W 8-21-11 W Elevation 1806 K.B. County STAFFORD

Company F.G. Hall Company Number of Copies 5

Charts Mailed to 6427 East Kellogg P.O. Box 780167 - Wichita Kansas 67278-0167

Drilling Contractor STERLING DRILLING RIG # 4

Length Drill Pipe 2971 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X.H.

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars 428 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3415 Bottom Packer Depth NONE RUN Number of Packers 1 Packer Size 6 3/4"

TESTED FROM 3415 TO 3428 ANCHOR LENGTH 13 TOTAL DEPTH 3428 Hole Size 7 7/8"

LEASE & WELL NO. KEELEY # 2-8 FORMATION TESTED Arbuckle TEST NO. 2

Mud Weight 9.3 Viscosity 55 Water Loss 9.6 Chlorides - Pits 4000 D.S.T. 8000

Maximum Temp. 107 °F Initial Hydrostatic Pressure (A) 1704 P.S.I. Final Hydrostatic Pressure (H) 1685 P.S.I.

Tool Open I.F.P. from 12:45 A.m to 1:15 A.m 30 min

from [B]	<u>100</u>	P.S.I. to [C]	<u>222</u>	P.S.I.
[D]	<u>965</u>			P.S.I.
from [E]	<u>256</u>	P.S.I. to [F]	<u>334</u>	P.S.I.
[G]	<u>921</u>		<u>987</u>	P.S.I.

(APPROX 60 min)

Tool Closed I.C.I.P. from 1:15 A.m to 2:15 A.m 60 min

Tool Open F.F.P. from 2:15 A.m to 3:15 A.m 60 min

Tool Closed F.C.I.P. from 3:15 A.m to 4:45 A.m 90 min

Initial Blow Good blow - built to the bottom of a 7 Gallon bucket in 3 minutes

Final Blow Fair blow - built to the bottom of a 7 Gallon bucket in 12 minutes

Total Feet Recovered 840 Gravity of Oil 39 1/2 Corrected

575 Feet of GAS IN THE PIPE **KCC** 100% Gas 0% Oil 0% Mud 0% Water

720 Feet of CLEAN GASSY OIL **FEB 21** 22% Gas 80% Oil 0% Mud 0% Water

60 Feet of GASSY MUDDY OIL **CONFIDENTIAL** 4% Gas 18% Oil 50% Mud 8% Water

60 Feet of GASSY MUDDY OIL 28% Gas 22% Oil 40% Mud 10% Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of **RELEASED** _____ % Gas _____ % Oil _____ % Mud _____ % Water

Feet of _____ % Gas _____ % Oil _____ % Mud _____ % Water

Remarks FAR 1 4 1996 **CONFIDENTIAL**

FROM CONFIDENTIAL

Extra Equipment - Jars NONE Safety Joint YES Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 11088 Clock No. 47441 Depth 3422 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3425 Insurance NONE

Price of Job _____

Tool Operator Jane Sudig

Approved By _____

Superior Testers Enterprises, Inc. shall not be liable for damage 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, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

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