

API#15-185-22947 18-21-11W

Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902

ORIGINAL

Date 11 30 93 Location SE NE SW 18-21 11^W Elevation 1821⁵⁵⁷ County STAFFORD

Company F.G. Hoff COMPANY Number of Copies 5

Charts Mailed to 6427 E Kellogg PO Box 780167 WICHITA KS 67278-0167

Drilling Contractor Sterling Drilling Company

Length Drill Pipe 3044 I.D. Drill Pipe 1380 Tool Joint Size 4 1/2 x 1 1/4

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

Length Drill Collars 428 I.D. Drill Collars 225 Tool Joint Size 4 1/2 x 1 1/4

Top Packer Depth 3426 Bottom Packer Depth 3731 Number of Packers 1 Packer Size 12

TESTED FROM 3431 TO 3505 ANCHOR LENGTH 74 TOTAL DEPTH 3505 Hole Size 7 3/8

LEASE & WELL NO. RADER 'B' FORMATION TESTED MARMAION - ORB TEST NO. 1

Mud Weight 9.7 Viscosity 43 Water Loss 96 Chlorides - Pits 5000 D.S.T.

Maximum Temp. 109 °F Initial Hydrostatic Pressure (A) 1884 P.S.I. Final Hydrostatic Pressure (H) 1874 P.S.I.

Tool Open I.F.P. from 645 m to 715 m 30 min

Tool Closed I.C.I.P. from 715 m to 815 m 60 min

Tool Open F.F.P. from 815 m to 915 m 60 min

Tool Closed F.C.I.P. from 915 m to 1045 m 90 min

Initial Blow FAIR BLOW Building To Bottom 8 1/2"

Final Blow Strong Blow 23"

from [B] <u>147</u> P.S.I. to [C] <u>283</u> P.S.I.
[D] <u>1195</u> P.S.I.
from [E] <u>315</u> P.S.I. to [F] <u>483</u> P.S.I.
[G] <u>1195</u> P.S.I.

Total Feet Recovered 120' GAS IN PIPE - 1140' MUD CUT GASSY OIL Gravity of Oil Corrected

120 Feet of GAS CUT OIL 12 % Gas 88 % Oil % Mud % Water

120 Feet of GAS CUT OIL 26 % Gas 74 % Oil % Mud % Water

180 Feet of GAS CUT OIL 40 % Gas 60 % Oil % Mud % Water

240 Feet of GASSY OIL 50 % Gas 50 % Oil % Mud % Water

120 Feet of MUD CUT GASSY OIL 37 % Gas 28 % Oil 35 % Mud % Water

120 Feet of MUD CUT GAS CUT OIL 9 % Gas 72 % Oil 18 % Mud 1 % Water

120 Feet of MUD CUT GASSY OIL 50 % Gas 20 % Oil 30 % Mud % Water

60 Feet of MUD CUT GASSY OIL 30 % Gas 20 % Oil 50 % Mud % Water

120 Feet of % Gas % Oil % Mud % Water

Remarks P Some Plugging IN IFF

RECEIVED CONFIDENTIAL
KANSAS CORPORATION COMMISSION
CONSERVATION DIVISION
WICHITA, KS
RELEASED
FROM CONFIDENTIAL

Extra Equipment - Jars None Safety Joint 495 Extra Packer None Straddle None Hook Wall None

Top Recorder No. 13511 Clock No. 13081 Depth 3499 Cir. Sub None Sampler None

Bottom Recorder No. 2875 Clock No. 3844 Depth 3502 Insurance NA

Price of Job

Tool Operator BOB STEVENSON

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, of 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.

W11-16-8 Superior Testers Enterprises, Inc.

R.R. 3, Box 295B, Great Bend, Kansas 67530
(316) 792-6902

ORIGINAL

Date 12 1 93 Location 18-21-11" Elevation 1821' County STAFFORD

Company F G Hall Camp RELEASED Number of Copies 5

Charts Mailed to WICHITA KS 47278-0167

Drilling Contractor Starling Drilling APR 22 1996

Length Drill Pipe 3107 I.D. Drill Pipe 380 Tool Joint Size 4 1/2" X 4

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 4

Top Packer Depth None Bottom Packer Depth 3505 Number of Packers 1 Packer Size 6 1/2

TESTED FROM 2505 TO 2520 ANCHOR LENGTH 15 TOTAL DEPTH 2520 Hole Size 7 1/2

LEASE & WELL NO. RADER 6 FORMATION TESTED ARG TEST NO. 2

Mud Weight 95 Viscosity 57 Water Loss 86 Chlorides - Pits 5000 D.S.T.

Maximum Temp. 109 °F Initial Hydrostatic Pressure (A) 1884 P.S.I. Final Hydrostatic Pressure (H) 1874 P.S.I.

Tool Open I.F.P. from 245 m to 815 m 30 min

Tool Closed I.C.I.P. from 815 m to 915 m 60 min

Tool Open F.F.P. from 915 m to 1015 m 60 min

Tool Closed F.C.I.P. from 1015 m to 1145 m 90 min

Initial Blow String Blow off Bottom

Final Blow String Blow off Bottom Gas to surface 110" into F.F.P.

Total Feet Recovered 3300 Clean Gassy Oil Gravity of Oil Corrected

Feet of 30-70% oil % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Feet of RECEIVED % Gas % Oil % Mud % Water

Feet of KANSAS CORPORATION COMMISSION % Gas % Oil % Mud % Water

Feet of MAR 21 1994 KCC % Gas % Oil % Mud % Water

Feet of CONSERVATION DIVISION MAR 21 % Gas % Oil % Mud % Water

Feet of WICHITA, KS % Gas % Oil % Mud % Water

Feet of CONFIDENTIAL % Gas % Oil % Mud % Water

Feet of % Gas % Oil % Mud % Water

Remarks Drop RAT CIP OUT GAS GAUGES TSTM

Extra Equipment - Jars NA Safety Joint 400 Extra Packer None Straddle None Hook Wall None

Top Recorder No. 11541 Clock No. 11541 Depth 2514 Cir. Sub 400 Sampler None

Bottom Recorder No. 3777 Clock No. 3777 Depth 2517 Insurance N/A

Price of Job

Tool Operator PAT STEVENSON

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