

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

Operator: License # 5058
Name: Griggs Oil, Inc.
Address One Main Place
100 N. Main, Suite 1010
City/State/Zip Wichita, KS 67202
Purchaser: D & A
Operator Contact Person: Jim Collins
Phone (316) 267-7779
Contractor: Name: Sterling Drilling Company
License: 5142
Wellsite Geologist: Chris Peters

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

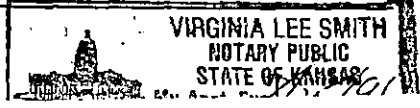
Spud Date _____ Date Reached TD _____ Completion Date _____

API NO. 15- 185-22,909-0000
County Stafford
C/N/2 NW NE Sec. 23 Twp. 23S Rge. 14 ^E
330 Feet from S/N (circle one) Line of Section
1980 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE, SE, NW or SW (circle one)
Lease Name Cornwell Well # 1-23
Field Name Glen
Producing Formation D & A
Elevation: Ground 1922 KB 1931
Total Depth 4055 PBTB _____
Amount of Surface Pipe Set and Cemented at 277 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 277
feet depth to surface w/ 185 sx cmt.
Drilling Fluid Management Plan DJA 8-12-93
(Data must be collected from the Reserve Pit)
Chloride content 81,000 ppm Fluid volume 800 bbls
Dewatering method used Vacuum Truck
Location of fluid disposal if hauled offsite: _____
Operator Name _____
Lease Name _____ License No. _____
Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W _____
County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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 Jim Collins
Title Vice President Date 8-10-93
Subscribed and sworn to before me this 10th day of August, 1993.
Notary Public Virginia Lee Smith
Date Commission Expires August 25, 1996



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

8-16-93
8-19-93
PT

ORIGINAL

SIDE TWO

Operator Name Griggs Oil, Inc. Lease Name Cornwell Well # 1-23

Sec. 23 Twp. 23S Rge. 14 East West
County Stafford

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 Yes No
(Attach Additional Sheets.)
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy.)
List All E.Logs Run:
DIL

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample		
Name	Top	Datum
Anhy	840	-1091
Heebner	3391	-1460
Brn Lime	3325	-1594
LKC	3544	-1613
BKC	3788	-1857
Viola	3901	-1970
Arbuckle	4011	-2080

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
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
Surface	12 1/4	8-5/8	23#	277	60/40 Pos	185	2%gel 3%cc

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
Production Interval

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 6-13-1993 Location C-N/2-NW-NE 23-23-14^N Elevation 1922 G.L. County STAFFORD ^{1931 K.B.}

Company Griggs Oil Inc. Number of Copies 5

Charts Mailed to 100 North Main Suite 1010 Wichita Kansas 67202

Drilling Contractor STERLING DRILLING RIG #4

Length Drill Pipe 3212 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 1 1/2"

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

Length Drill Collars 424 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"

Top Packer Depth 3650 Bottom Packer Depth 3655 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3655 TO 3672 ANCHOR LENGTH 17 TOTAL DEPTH 3672 Hole Size 7 7/8"

LEASE & WELL NO. CORNWELL #1-23 FORMATION TESTED KANSAS CITY #4 TEST NO. 1

Mud Weight 9.1 Viscosity 48 Water Loss 10.4 Chlorides - Pits 7000 D.S.T. _____

Maximum Temp. 108 °F Initial Hydrostatic Pressure (A) 1793 P.S.I. Final Hydrostatic Pressure (H) 1760 P.S.I.

Tool Open I.F.P. from 3:00 P.m. to 4:00 P.m. 60 min

from (B) 66 P.S.I. to (C) 78 P.S.I.

Tool Closed I.C.I.P. from 4:00 P.m. to 5:00 P.m. 60 min

(D) 401 P.S.I.

Tool Open F.F.P. from 5:00 P.m. to 5:30 P.m. 30 min

from (E) 78 P.S.I. to (F) 89 P.S.I.

Tool Closed F.C.I.P. from 5:30 P.m. to 6:30 P.m. 60 min

(G) 423 P.S.I.

Initial Blow WEAK blow built to 2 inches into the water & started decreasing to

Final Blow WEAK INTERMITTANT & DEAD IN 40 min. Flushed tool Good SURGE WEAK

Total Feet Blow for 15 minutes & DIED. Gravity of Oil _____ Corrected _____

Feet of Final Blow: NO blow Flushed tool AFTER % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of 5 min. Good Surge - No help - DEAD % Gas _____ % Oil _____ % Mud _____ % Water _____

50 Feet of VERY slightly oil specked mud LESS THAN 1% oil % Gas SCM % Oil 100 % Mud 100 % Water _____

50 Feet of VERY slightly oil specked mud - LESS THAN 1% oil % Gas SCM % Oil 100 % Mud 100 % Water _____

Feet of A FAIR SHOW OF OIL BETWEEN THE SHUT-IN % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of tool & Hydraulic tools & A Good show of % Gas _____ % Oil _____ % Mud _____ % Water _____

Feet of oil on the lower blanked off recorder % Gas _____ % Oil _____ % Mud _____ % Water _____

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

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

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

Remarks Slid tool 7-8 Feet to bottom after it opened

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

Top Recorder No. 11088 Clock No. 47441 Depth 3666 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3669 Insurance NONE

Price of Job _____

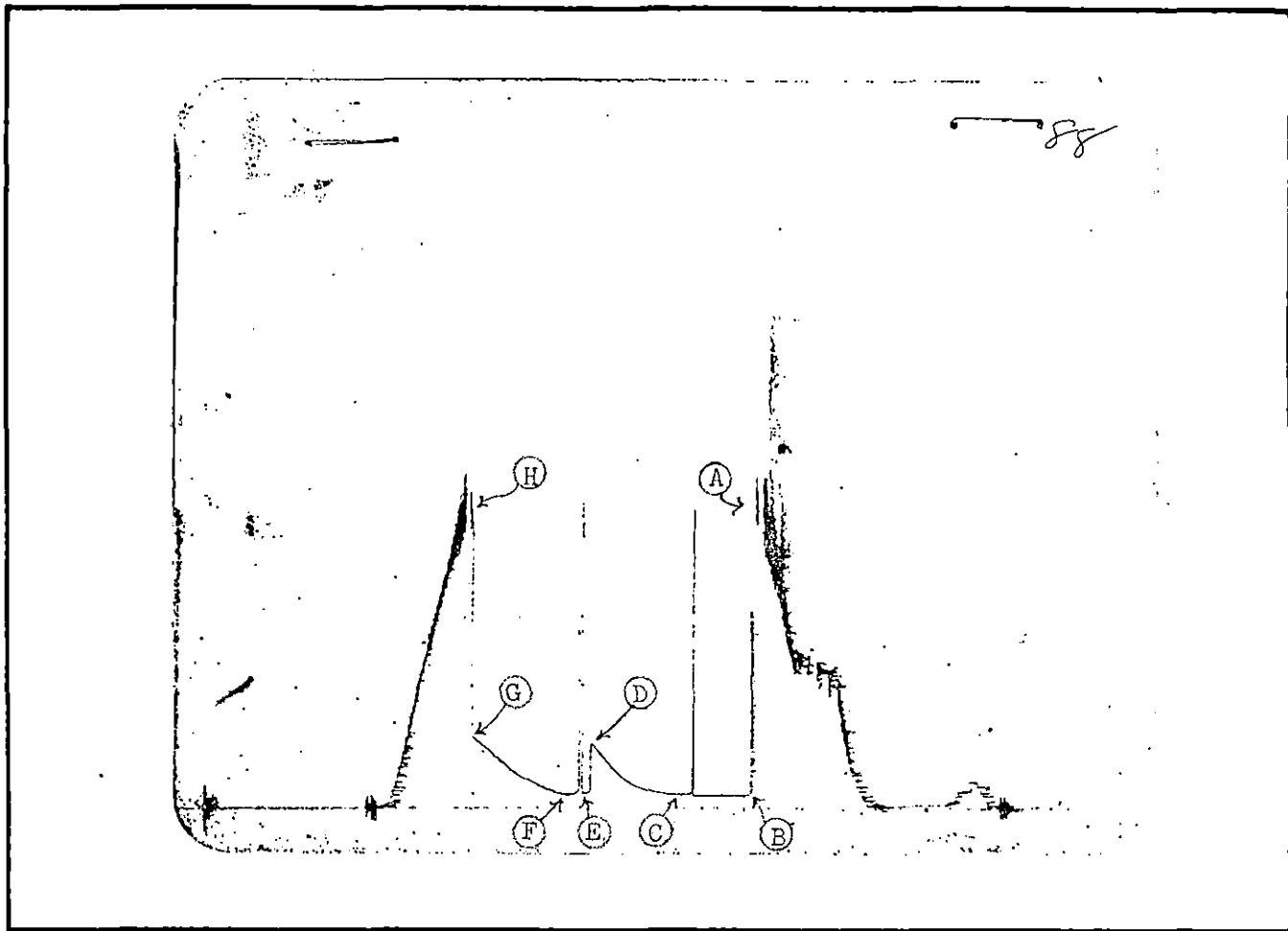
Tool Operator Janeziding

Recorded By _____

12177

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.

AUG 16 1993



This is an actual photograph of recorder chart.

POINT	PRESSURE		P.S.I.
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1793	1811	P.S.I.
(B) First Initial Flow Pressure	66	70	P.S.I.
(C) First Final Flow Pressure	78	79	P.S.I.
(D) Initial Closed-in Pressure	401	390	P.S.I.
(E) Second Initial Flow Pressure	78	88	P.S.I.
(F) Second Final Flow Pressure	89	113	P.S.I.
(G) Final Closed-in Pressure	423	427	P.S.I.
(H) Final Hydrostatic Mud	1760	1782	P.S.I.

AUG 16 1993
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Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 6-14-1993 Location C-N12-NW-NE 23-25-14th Elevation 1931 K.B County STAFFORD

Company GRIGGS Oil Inc. Number of Copies 5

Charts Mailed to 100 North MAIN Suite 1010 Wichita Kansas 67202

Drilling Contractor STERLING Drilling Rig #4

Length Drill Pipe 3259 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 4.

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

Length Drill Collars 424 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 4.

Top Packer Depth 3695 Bottom Packer Depth 3700 Number of Packers 2 Packer Size 2 3/4"

TESTED FROM 3700 TO 3716 ANCHOR LENGTH 16 TOTAL DEPTH 3716 Hole Size 7 7/8"

LEASE & WELL NO. CORNWELL #1-23 FORMATION TESTED KANSAS CITY "I" TEST NO. 2

Mud Weight 9.1 Viscosity 48 Water Loss 10.4 Chlorides - Pits 7000 D.S.T. 52,000

Maximum Temp. 110 °F Initial Hydrostatic Pressure (A) 1837 P.S.I. Final Hydrostatic Pressure (H) 1815 P.S.I.

Tool Open I.F.P. from 4:45 Am to 5:15 Am 30 min

Tool Closed I.C.I.P. from 5:15 Am to 5:45 Am 30 min

Tool Open F.F.P. from 5:45 Am to 6:15 Am 30 min

Tool Closed F.C.I.P. from 6:15 Am to 6:45 Am 30 min

from [B] <u>55</u> P.S.I. to [C] <u>66</u> P.S.I.
[D] <u>1130</u> P.S.I.
from [E] <u>78</u> P.S.I. to [F] <u>89</u> P.S.I.
[G] <u>1097</u> P.S.I.

Initial Blow WEAK blow - built to 12 inch in 10 min - DECREASED & DIED IN 20 MIN

Final Blow NO blow - Flushed tool - Good Surge - WEAK blow for 14 minutes & DIED

Total Feet Recovered 130 Gravity of Oil _____ Corrected

10 Feet of Muddy water 0% Gas 0% Oil 32% Mud 68% Water

60 Feet of watery mud 0% Gas 0% Oil 58% Mud 42% Water

60 Feet of muddy water - no shows of oil or GAS 0% Gas 0% Oil 30% Mud 70% Water

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

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

____ Feet of _____ % 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 NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 11088 Clock No. 47441 Depth 3710 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3713 Insurance NONE

Price of Job _____

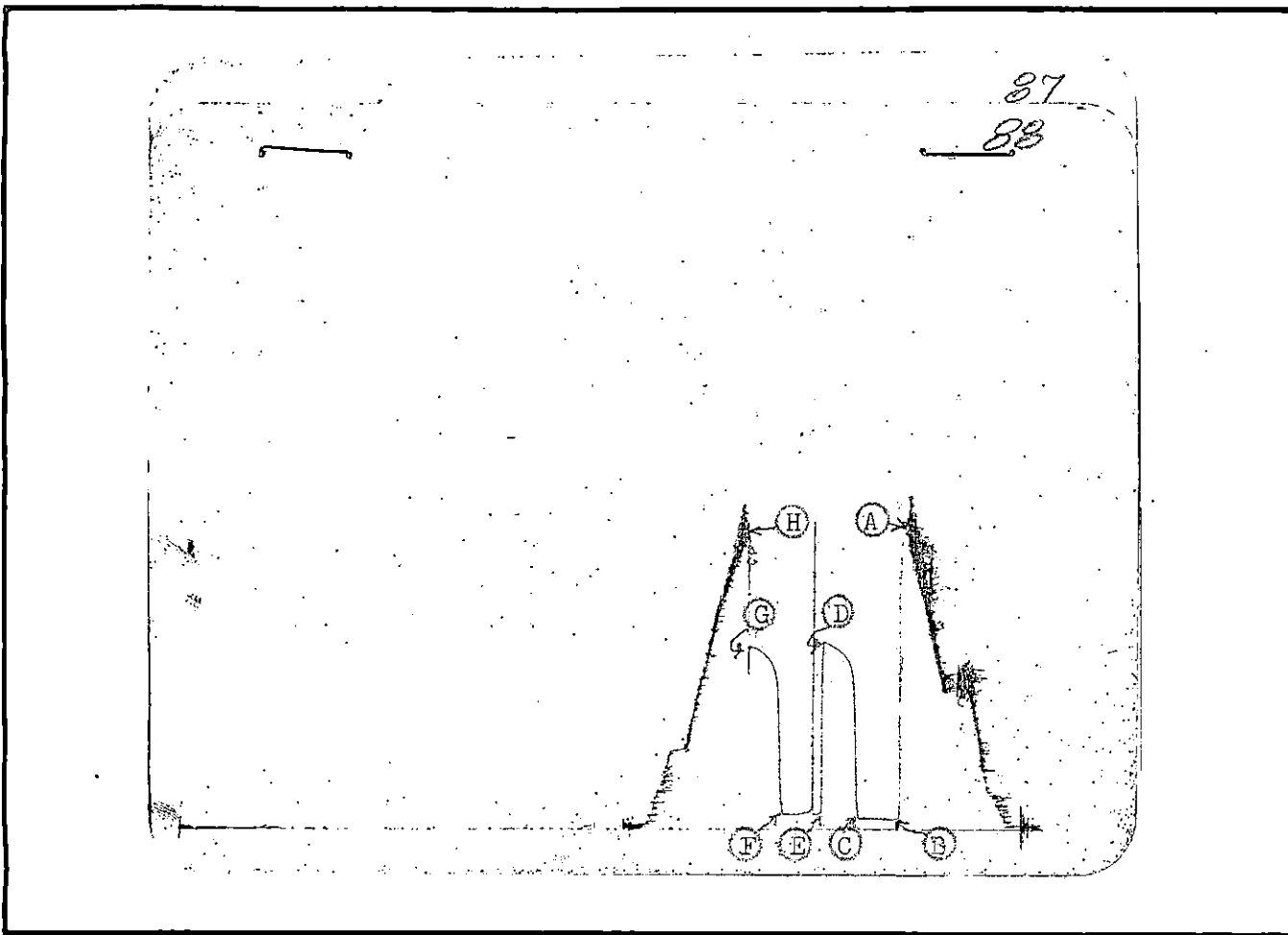
Tool Operator Dene Sudig

Approved By _____

No. 12178

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AUG 16 1993



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	<u>1815</u>	<u>1854</u>	P.S.I.
(B) First Initial Flow Pressure	<u>55</u>	<u>57</u>	P.S.I.
(C) First Final Flow Pressure	<u>66</u>	<u>64</u>	P.S.I.
(D) Initial Closed-in Pressure	<u>1130</u>	<u>1131</u>	P.S.I.
(E) Second Initial Flow Pressure	<u>78</u>	<u>92</u>	P.S.I.
(F) Second Final Flow Pressure	<u>89</u>	<u>95</u>	P.S.I.
(G) Final Closed-in Pressure	<u>1097</u>	<u>1107</u>	P.S.I.
(H) Final Hydrostatic Mud	<u>1815</u>	<u>1822</u>	P.S.I.

AUG 16 1993
AUG 16 1993

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 6-14-1993 Location C.N12-NW-NE 23-23-14^N Elevation 1731 K.B. County Stafford

Company Griggs Oil Inc. Number of Copies 5

Charts Mailed to 100 NORTH MAIN Suite 1010 Wichita Kansas 67202

Drilling Contractor STERLING DRILLING RIG #4

Length Drill Pipe 3279 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 424 I.D. Drill Collars 2.75 Tool Joint Size 4 1/2" X.H.

Top Packer Depth 3717 Bottom Packer Depth 3782 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 3722 TO 3785 ANCHOR LENGTH 63 TOTAL DEPTH 3785 Hole Size 7 7/8"

LEASE & WELL NO. CORNWELL #1-23 FORMATION TESTED KANSAS CITY "1" TEST NO. 3

Mud Weight 9.1 Viscosity 46 Water Loss 10.9 Chlorides - Pits 9000 D.S.T. _____

Maximum Temp. 112 °F Initial Hydrostatic Pressure (A) 1826 P.S.I. Final Hydrostatic Pressure (H) 1804 P.S.I.

Tool Open I.F.P. from 6:00 Pm to 6:30 Pm 30 min

Tool Closed I.C.I.P. from 6:30 Pm to 7:00 Pm 30 min

Tool Open F.F.P. from 7:00 Pm to 7:30 Pm 30 min

Tool Closed F.C.I.P. from 7:30 Pm to 8:00 Pm 30 min

Initial Blow WEAK to VERY WEAK blow for 28 minutes & DIED

Final Blow NO blow - Flushed tool - Good Surge - WEAK blow for 12 minutes & DIED

Total Feet Recovered 40 Gravity of Oil _____ Corrected _____

40 Feet of MUD with A VERY SLIGHT SCUM of oil 0% Gas SCUM Oil 100% Mud 0% Water

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

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

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

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

_____ Feet of _____ % 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 NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 11088 Clock No. 47441 Depth 3779 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11087 Clock No. 47442 Depth 3782 Insurance NONE

Price of Job _____

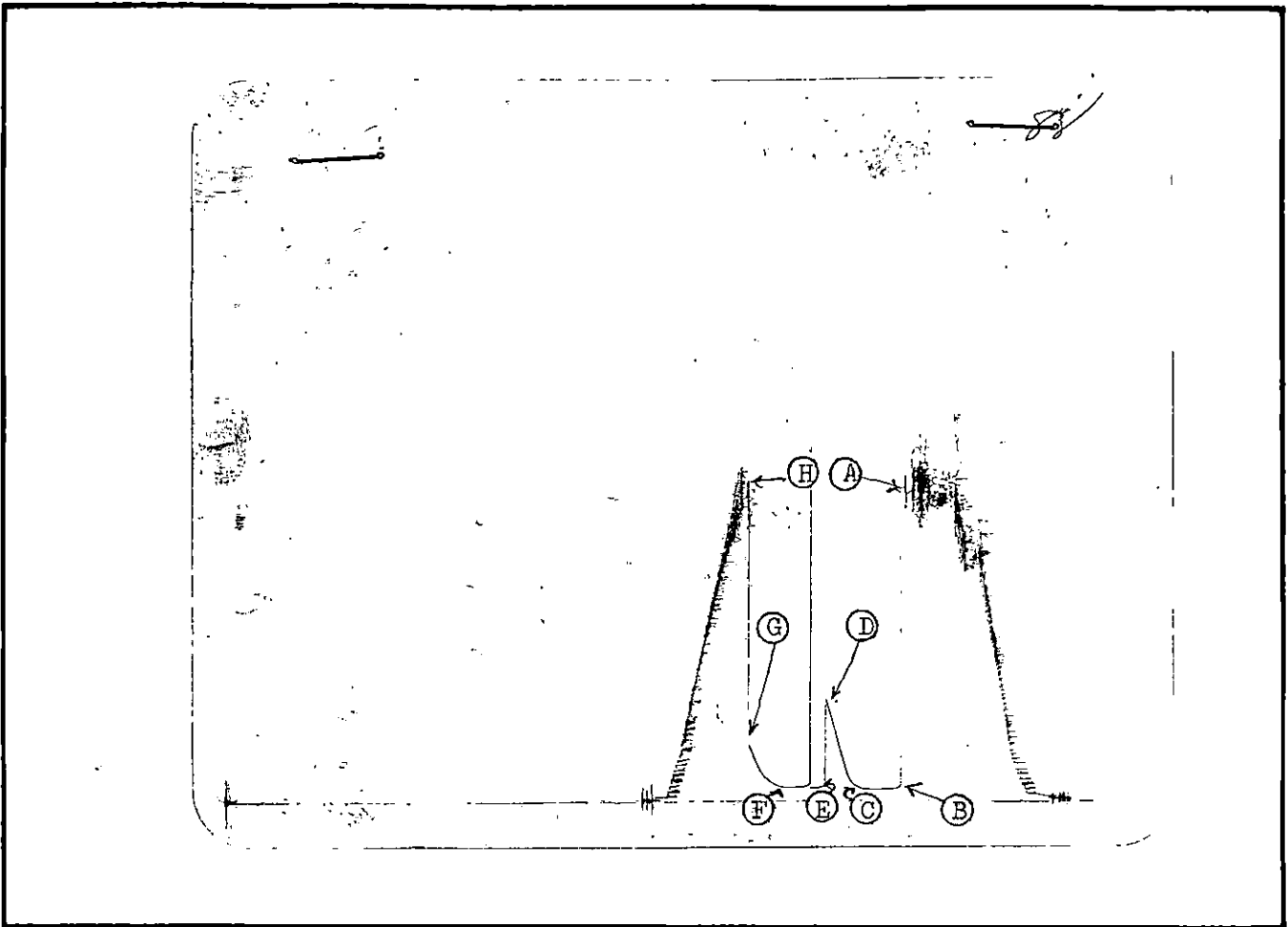
Tool Operator Steve Ludwig

Approved By _____

No. 12179

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AUG 16 1993



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	<u>1826</u>	<u>1886</u>	P.S.I.
(B) First Initial Flow Pressure	<u>66</u>	<u>69</u>	P.S.I.
(C) First Final Flow Pressure	<u>66</u>	<u>70</u>	P.S.I.
(D) Initial Closed-in Pressure	<u>623</u>	<u>611</u>	P.S.I.
(E) Second Initial Flow Pressure	<u>66</u>	<u>73</u>	P.S.I.
(F) Second Final Flow Pressure	<u>78</u>	<u>78</u>	P.S.I.
(G) Final Closed-in Pressure	<u>434</u>	<u>338</u>	P.S.I.
(H) Final Hydrostatic Mud	<u>1804</u>	<u>1840</u>	P.S.I.

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