

ORIGINAL

FORM MUST BE TYPED

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

Operator: License# 31532
Name: BISON PRODUCTION COMPANY
Address 9320- E. CENTRAL
City/State/Zip WICHITA, KS 67206

Purchaser: KOCH
Operator Contact Person: C. J. LETT, III
Phone (316) 636-1801

Contractor: Name: DUKE DRILLING
License: 5929
Wellsite Geologist: Dean Pattison

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW 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/SWS
Plug Back _____ PBTB
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____
Spud Date 6-27-97 Date Reached TD 7-03-97 Completion Date 7-04-97

SIDE ONE 017
API NO. 15 097-213270000
County Harper _____ E
NE-SE-NW Sec. 15, Twp. 31S, Rge. 8 X W
1650 Feet from S/N (circle one) Line of Section
2310 Feet from E/W (circle one) Line of Section

Footage Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name STEPHENS Well # 3A-15
Field Name SPIVE-GRABS
Producing Formation MISSISSIPPI
Elevation: Ground 1637 KB 1645
Total Depth 4497 PBTB 4500
Amount of Surface Pipe Set and Cemented 216 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Alt 1 - 1 - 20-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls.
Dewatering method used _____
Location of fluid disposal if hauled offsite: 1628-97
Operator Name JODY OIL & GAS
Lease Name SANDERS SWD License No. 3288
Quarter Sec. 20 Twp. 31 S Rng. 8 W
County HARPER Docket No. D23313

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Rm 2078, 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 [Signature]
Title STEVEN C. ANDERSON Date: 10-27-97

Subscribed and sworn to before me this 27TH day of October, 1997.

Notary Public [Signature]
Date Commission Expires 4-14-2001

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)

Form ACO-1 (7-91)



SIDE TWO

Operator Name BISON PRODUCTION COMPANY Lease Name STEPHENS Well # 3A-15

Sec. 15 Twp. 31S Rge. 8 East West County HARPER

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 Log Formation (Top). Depth and Datum Sample
 (Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No Name Mississippi Top 4413 Datum -2768

Cores Taken Yes No

Electric Log Run Yes No

List All E. Logs Run: Dual Induction, Sonic, Comp. Neutron Den.

CASING RECORD							
[x] New [] 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	20#	216	60/40 Poz	175	3%cc, 2% gel
Production	7-7/8	5-1/2	14#	4497	ACS/40/60 Poz	125	5# sk. Kol-seal

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth	
		Amount	Depth
4	4416-28'	50,000# X-link gel, 50,000 # Sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
				<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method			
7-18-97	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls	Gas Mcf	Water Bbls	Gas-Oil Ratio Gravity
	23.4	47		

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Comingled Other (Specify) _____

(If vented, submit ACO-18.)

Production Interval
4416
4428

ORIGINAL

077
15-007-21327

Superior Testers Enterprises, Inc.

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

(316) 792-6902

Date 7-2-1997 Location N 1/4 - S 1/4 - W 1/4 15-31-58 Elevation 1645 KB. 16376.1 County HARPER

Company Bison Production Company Number of Copies 5

Charts Mailed to 9320 East Central Wichita Kansas 67206

Drilling Contractor Duke Drilling Rig #2

Length Drill Pipe 4215 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 180 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X.H

Top Packer Depth 4409 Bottom Packer Depth 4414 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 4444 TO 4430 ANCHOR LENGTH 16 TOTAL DEPTH 4450 Hole Size 7 1/8"

LEASE & WELL NO. STEPHENS # 3-A FORMATION TESTED Mississippi TEST NO. 1

Mud Weight 9.3 Viscosity 41 Water Loss 10.4 Chlorides - Pits 5000 D.S.T. 2208 63000

Maximum Temp. 115 °F Initial Hydrostatic Pressure (A) 257 P.S.I. Final Hydrostatic Pressure (H) 2108 P.S.I.

Tool Open I.F.P. from 11:45 P.m to 12:00 A.m 15 min

Tool Closed I.C.I.P. from 12:00 A.m to 12:30 A.m 30 min

Tool Open F.F.P. from 12:30 A.m to 1:30 A.m 60 min

Tool Closed F.C.I.P. from 1:30 A.m to 5:00 A.m 90 min

Initial Blow Strong Blow - Gas to Surface in 4 minutes

Final Blow Strong Blow - SEE GAS FLOW REPORT

Total Feet Recovered 300 Gravity of Oil 34 Corrected

120 Feet of (CLEAR) Gassy Oil 30% Gas 70% Oil 0% Mud 0% Water

150 Feet of SLIGHTLY MUDDY Gassy Oil 45% Gas 40% Oil 10% Mud 5% Water

30 Feet of Oil & Gas cut MUDDY water 5% Gas 5% Oil 20% 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. 78225 Clock No. Electronic Depth 4424 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 11088 Clock No. 47441 Depth 4427 Insurance NONE

Price of Job _____ Tool Operator Dave Budig

Approved By _____

No 11676

from [B] <u>82</u> P.S.I. to [C] <u>143</u> P.S.I.
[D] <u>1223</u> P.S.I.
from [E] <u>143</u> P.S.I. to [F] <u>180</u> P.S.I.
[G] <u>1198</u> P.S.I.

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.

Rec'd
10-28-97

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

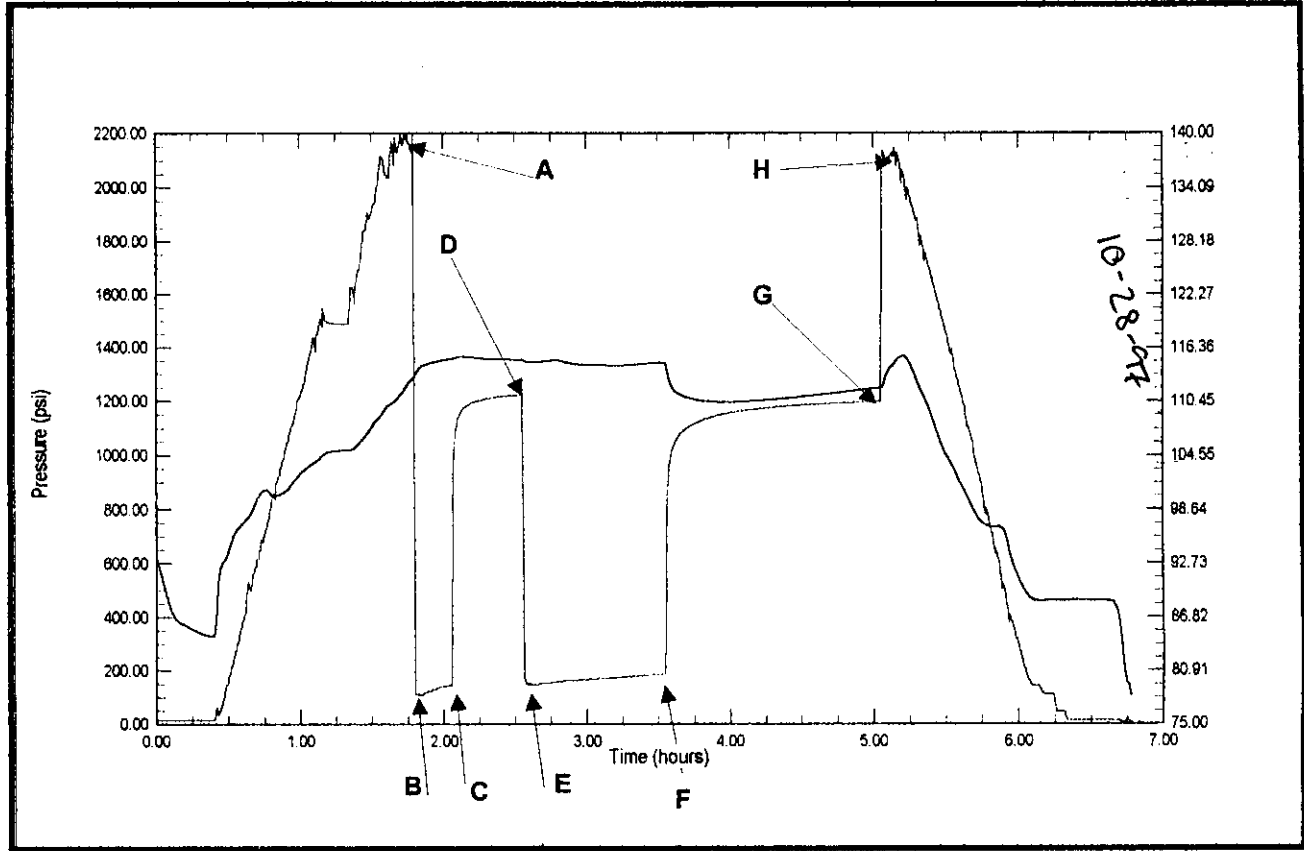
STEPHNSS #3-A MISSISSIPPI

State KANSAS
 County
 Field

ORIGINAL

Test Date July 2, 1997
 Sec Town Range 15-31S-8W
 Report Number 11676

Company: BISON PRODUCTION COMPANY Lease & Well No. STEPHENS #3-A Test #: 1 Date: 7-2-1997
 Sec. 15 TWP. 15S RGE. 8W



Field Reading Office Reading

(A) ial Hydrostatic Pressure	2157	psi
(B) Initial Flow Pressure	94	psi
(C) nal Initial Flow Pressure	143	psi
(D) Initial Shut-In Pressure	1223	psi
(E) itial Final Flow Pressure	143	psi
(F) Final Flow Pressure	186	psi
(G) Final Shut-In Pressure	1198	psi
(H) ial Hydrostatic Pressure	2108	psi

Mechanical Recorder Depth 4427 ft, Recorder Number 11088

Handwritten notes on the left margin including '3000 P.S.I.', 'P.S.I.', 'Corrected', '% Water', and 'kind to the suffered or statements or able shall be'.

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

General Information

Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
 Company Name BISON PRODUCTION COMPANY
 Lease and Well Number STEPHNSS #3-A
 Formation Tested MISSISSIPPI
 Test Number 1
 State KANSAS
 County HARPER
 Field
 Test Date 2-Jul-97
 Section Town Range 15-31S-8W
 Report Number 11676
 Elevation Ground Level 1637
 Elevation Kelly Bushings 1645
 Company Representative DEAN PATTISON
 Testing Engineer GENE BUDIG

Extra Equipment

Jars No
 Safety Joint No
 Extra Packes No
 Straddle No
 Hook Wall No
 Sampler No
 Circulating Sub No
 Electronic Recorder YES

Well Information

Drilling Contractor DUKE DRILLING RIG #2

Drill Pipe Length 4215
 Drill Pipe I.D. 3.8
 Tool Joint Size 4 1/2 XH

Weight Pipe Length
 Weight Pipe I.D. 2.76
 Tool Joint Size 4 1/2 X.H.

Drill Collar Length 180
 Drill Collar I.D. 2.25
 Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 9.30
 Viscosity 41.00
 Water Loss 10.4
 Chlorides - Pits 5,000
 Chlorides - DST

ORIGINAL

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316) 792-6902

Tool Setting Information

Top Packer Depth 4414
Bottom packer Depth 4419
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 4419
Test Interval (to) 4430.00
Anchor Length 16
Total Depth (ft) 4430
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	115	
Initial Hydrostatic Pressure	2157	
Initial Flow Pressure	94	
Final Initial Flow Pressure	143	
Initial Shut-In Pressure	1223	
Initial Final Flow Pressure	143	
Final Flow Pressure	186	
Final Shut-In Pressure	1198	
Final Hydrostatic Pressure	2108	
Mechanical Recorder Depth (ff)	4427	
Recorder Number	11088	
Electronic Recorder Depth	4424	
Recorder Number	78225	

Comments

[Empty box for comments]

SUPERIOR TESTERS ENTERPRISES INC.
DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Flow Times

Initial Open

Tool Open (from) 11:45
 Tool Open (to) 12:00
 Duration (min) 15

Initial Shut-in

Tool Closed (from) 12:00
 Tool Closed (to) 12:30
 Duration (min) 30

Final Open

Tool Open (from) 12:30
 Tool Open (to) 1:30
 Duration (min) 60

Final Shut-in

Tool Closed (from) 1:30
 Tool Closed (to) 3:00
 Duration (min) 90

Recovery Description

Initial Blow STRONG BLOW WITH GAS TO SURFACE IN MINUTES

Final Blow STRONG BLOW-SEE GAS FLOW REPORT

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) CLEAN GASSY OIL-GRAVITY 34 CORRECTED	120	30	70	0	0
2) SLIGHTLY MUDDY GASSY OIL	150	45	40	10	5
3) OIL AND GAS CUT MUDDY WATER	30	5	5	20	70
4) CHLORIDES 63000					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	300				

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

GAS FLOW RATE

(316) 792-6902

STEPHNSS #3-A MISSISSIPPI

Site KANSAS

Test Date July 2, 1997

County HARPER

Sec Town Range 15-31S-8W

Well ID

Report Number 11676

ORIGINAL

Initial Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPENED	11:50	5	8.000			1.50	197.000
AT 11:45 WITH	11:55	10	12.00			1.50	241.000
GAS TO	12:00	15	18.00			1.50	295.000
SURFACE IN							
4 MINUTES AT							
11:49							

Final Flow

Comments	Time (hh:mm:ss)	Period dt (min)	Inches H2O Orifice Tester	PSI on Orifice Tester	PSI on Pitot Tube	Choke Size (in)	Gas Rate (MCF/Day)
TOOL OPENED	12:40	10	22.00			1.50	326.000
AT 12:30	12:50	20	27.00			1.50	361.450
	1:00	30	27.00			1.50	361.500
	1:10	40	27.00			1.50	361.500
	1:20	50	27.00			1.50	361.500
	1:30	60	27.00			1.50	361.500

ORIGINAL

PVT Detail

INPUT DATA	
1 Pr (psia)	500.00
2 Temperature of Interest (psia)	115.00
3 GLR (scf/bbl).....	250.00
4 Water Cut (%)	0.50%
5 Standard Pressure (psia)	14.7000
6 Standard Temperature (F)	60.0000
7 API Gravity Liq Hydrocarbon	34.0000
8 Water Salinity (ppm)	63000.0000
9 Liq. Hydro. SOL GOR AND PB Correlation	STANDING
10 Liq. Hydro. FVF Correlation	STANDING
11 Dead Oil Correlation	BEGGS-ROBINSON
12 Dead Water Correlation	MEEHAN
13 Reservoir Fluid Type	Liquid
14 Reservoir Oil Saturation (%)	30.00%
15 Reservoir H2O Saturation (%)	10.00%
16 Reservoir Gas Saturation (%)	60.00%
17 Reservoir Rock Type	LIMESTONE
18 Reservoir Rock Porosity (%)	18.00%
19 True Vertical Depth (ft)	4430
20 CO2 (Mole %)	0.000E+00
21 H2S (Mole %)	0.000E+00
22 N2 (Mole %)	0.000E+00
23 Specific Gravity Gas (dim)	0.6500
24 Pseudo Critical Temp (R)	370.0000
25 Pseudo Critical Press (psia)	671.0000
CALCULATED VALUES	
26 Ct Reservoir (1/psi)	1.584E-03
27 Cf Wellbore (1/psi)	1.519E-03
28 Total Fluid Visc (cp)	1.9949
29 Total FVF (bbl/stb)	1.9567
30 Total Fluid Bubble Point Press (psi)	1207.6590
31 Fluid Density (lbs/r-ft3)	28.4353
32 Total Fluid SG (dim)	0.4559
33 FVF Oil (Rbl/Stb)	1.0549
34 FVF H2O (Rbl/Stb)	1.0102
35 FVF GAS (Scf/FT3)	0.0310
36 Mu Oil (cp)	3.7050
37 Mu H2O (cp)	0.6452
38 Mu Gas (cp)	0.0127
39 Density Oil (lb/ft3)	51.5308
40 Density H2O (lb/ft3)	64.5800
41 Density Gas (lb/ft3)	1.3609
42 Compress. Oil (1/psi)	9.971E-04
43 Compress. H2O (1/psi)	3.110E-05
44 Compress. Gas (1/psi)	2.134E-03
45 Compress. Rock (1/psi)	1.237E-06
46 Critical Temp (R)	340.1449
47 Critical Press (psia)	677.1917
48 Oil Vol Frac of Total Fluid (frac)	0.5364
49 Water Vol Frac of Total Fluid (frac)	2.581E-03
50 Gas Vol Frac of Total Fluid (frac)	0.4610
51 Dissolved Gas/Oil Ratio (Scf/Stb oil)	86.8142
52 Dissolved Gas/H2O Ratio (Scf/Stb H2O)	3.1609
53 Free Gas/Liquid Ratio (Scf/STB Tot Liq)	163.8041
54 Gas Gravity of Free Gas (dim)	0.5520
55 Gas Gravity of Gas in Oil (dim)	0.8356
56 Gas Gravity of Gas in H2O (dim)	0.6500

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

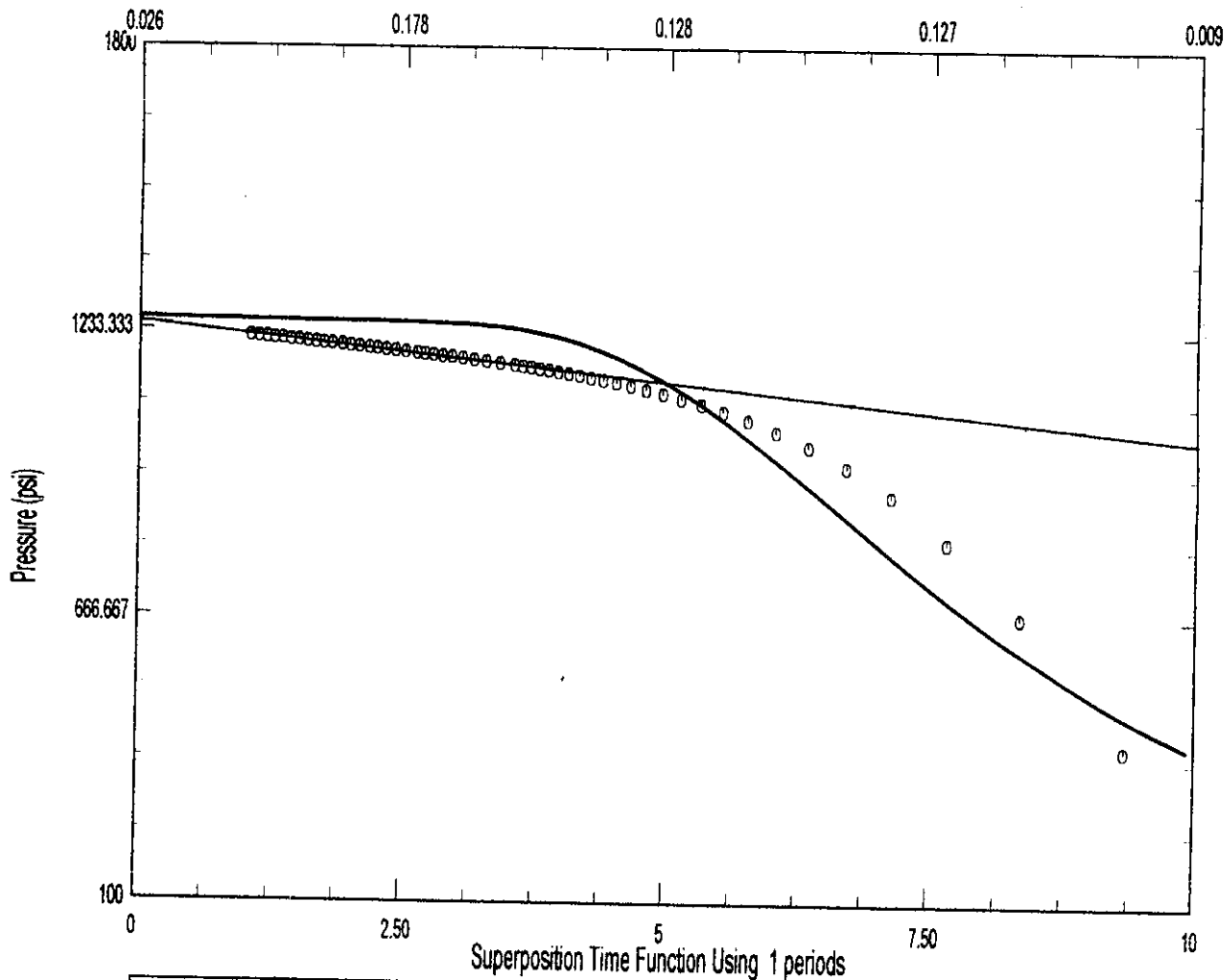
(316) 792-6902

1ST SHUT-IN

State KANSAS
 County HARPER
 Field

Test Date July 2, 1997
 Sec Town Range 15-31S-8W
 Report Number 11676

ORIGINAL



Constant Storage	Skin Model	Homogeneous	No Boundaries
C1 : 1.630E-5 bb/psi	Skin : 13.90	k : 3.572 md	
			h : 16 ft
			mu : 1.254 cp
			phi : 0.18 %
			ct : 1.584E-03 1/psi
			rw : 6.417 ft

ORIGINAL

Field :
County or Parish :
State :

Date : 03-Jul-97 05:28:24
Analysis Period : -end flow-shut-in
Identifier : Line #

Superposition Slope -> m'	-22.470900
Horner Slope -> m	-129.657069
Intercept	1247.013
P(dt=1 hr)	1234.764
Pwf	143.380
R Sqr	0.9932
k (md)	2.51633
kh (md-ft)	40.26123
k/u (md/cp)	2.00664
kh/uB (md-ft/cp)	7.23603
Skin	10.833
DP Skin	1222.029
Total DP	1103.633
Percent DP	110.73%
Radius Invest (ft)	2
Radius Time (hrs)	0.50
Delta Q =	6
h (ft)=	16
mu =	1.254
B =	4.437
First Point #	18
Second Point #	151
Start Real Time	0.051
End Real Time	0.450
Start SF Time	4.390

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

(316) 792-6902

2ND SHUT-IN

State KANSAS

Test Date July 2, 1997

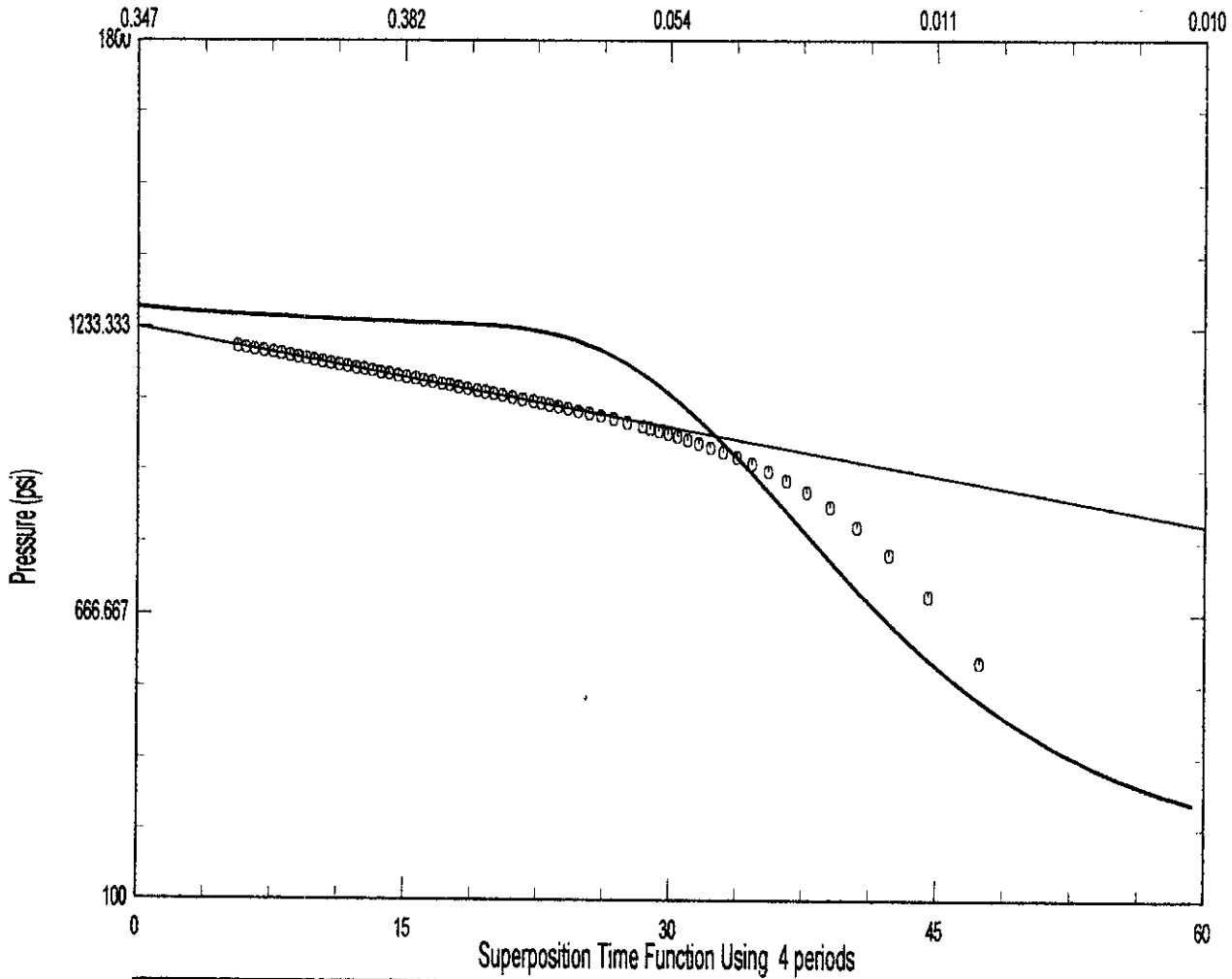
County HARPER

Sec Town Range 15-31S-8W

Field

Report Number 11676

ORIGINAL



Constant Storage C1 : 1.040E-4 bbl/psi	Skin Model Skin : 7.97	Homogeneous k : 8.709 md	No Boundaries	h : 16 ft mu : 1.254 cp phi : 0.18 % ct : 1.584E-03 1/psi rw : 6.417 ft
---	---------------------------	-----------------------------	---------------	---

03-Jul-97

Field :
County or Parish :
State :

Date : 03-Jul-97 05:33:42
Analysis Period : END FLOW - 2ND SHUT-IN
Identifier : Line #

Superposition Slope -> m'	-6.558357
Homer Slope -> m	-151.445585
Intercept	1233.996
P(dt=1 hr)	1187.807
Pwf	186.770
R Sqr	0.9994
k (md)	8.62169
kh (md-ft)	137.94704
k/u (md/cp)	6.87535
kh/uB (md-ft/cp)	24.79279
Skin	8.137
DP Skin	1072.146
Total DP	1047.226
Percent DP	102.38%
Radius Invest (ft)	6
Radius Time (hrs)	1.50
Delta Q =	23
h (ft)=	16
mu =	1.254
B =	4.437
First Point #	24
Second Point #	298
Start Real Time	0.075
End Real Time	1.413
Start SF Time	26.798

ALLIED CEMENTING CO., INC. 6241

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

and file

SERVICE POINT: ORIGINAL Medicine Lodge

DATE <u>6-27-97</u>	SEC. <u>15</u>	TWP. <u>31 S</u>	RANGE <u>8 W</u>	CALLED OUT <u>4:30 pm</u>	ON LOCATION <u>5:30 pm</u>	JOB START <u>7:20 pm</u>	JOB FINISH <u>7:40 pm</u>
LEASE <u>Stephens</u>		WELL # <u>3A-13</u>	LOCATION <u>Mag Plant, 2 1/2, 1/2, 3/4, 5/8</u>		COUNTY <u>Harper</u>	STATE <u>Kansas</u>	

CONTRACTOR <u>Duke Rig 2</u>
TYPE OF JOB <u>Surface</u>
HOLE SIZE <u>12 1/4</u> I.D. <u>220</u>
CASING SIZE <u>8 7/8 x 20"</u> DEPTH
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRE. MAX <u>250</u> MINIMUM <u>100</u>
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. <u>15</u>
PERFS.

OWNER Bison Production Co
CEMENT

AMOUNT ORDERED 175 ex 60:40:26 gel
+ 3% haul

COMMON A <u>105</u> @ <u>6.10</u> <u>640.50</u>
POZMIX <u>70</u> @ <u>3.15</u> <u>220.50</u>
GEL <u>3</u> @ <u>9.50</u> <u>28.50</u>
CHLORIDE <u>6</u> @ <u>28.00</u> <u>168.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER <u>Carl Balding</u>
<u>237</u> HELPER <u>Shane Winsor</u>
BULK TRUCK
<u>242</u> DRIVER <u>Randis Handwehr</u>
BULK TRUCK
DRIVER

HANDLING <u>175</u> @ <u>1.05</u> <u>183.75</u>
MILEAGE <u>175 x 30</u> <u>.04</u> <u>210.00</u>

TOTAL \$1451.25

REMARKS:

Break Circulation w/ Rig pump
Pump 5 88lbs fresh water
pump 175 ex 60:40:26 gel + 3% haul
pumps, Release Plug, Displace
with 13.5 88lbs fresh water.

SERVICE

DEPTH OF JOB <u>220'</u>
PUMP TRUCK CHARGE <u>0-300'</u> <u>445.00</u>
EXTRA FOOTAGE @
MILEAGE <u>30</u> @ <u>2.85</u> <u>85.50</u>
PLUG <u>TWP 2 1/2"</u> @ <u>45.00</u> <u>45.00</u>

TOTAL \$575.50

CHARGE TO: Bison Production Co.
 STREET 9320 E. CENTRAL
 CITY WECHESTER STATE KANSAS ZIP 67206

FLOAT EQUIPMENT

@	
@	
@	
@	
@	

TOTAL

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE K.D. Clark

NATURE SAVER SM FAX MEMO 01616	Date <u>1-6</u>	# of pages <u>1</u>
To <u>Virgil Mathis</u>	From <u>JoAnn Thacker</u>	
Co./Dept <u>KCC</u>	Co. <u>Bison Prod.</u>	
Phone #	Phone # <u>636-1801</u>	
Fax # <u>937-6211</u>	Fax # <u>636-1803</u>	

ALLIED CEMENTING CO. INC.

6240

ORIGINAL

SERVICE POINT:

Medicine Lodge

EMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

DATE 7-4-97	SEC. 15	TWP. 31S	RANGE 8W	CALLED OUT 8:00AM	ON LOCATION 10:45AM	JOB START 1:45 PM	JOB FINISH 2:30 PM
WELL # 3A-15				LOCATION Mag Plant 2E, 1S, 3E, 5S		COUNTY Harper	STATE Kansas

CONTRACTOR Duke Rig 2
 TYPE OF JOB Production Casing
 HOLE SIZE 7 7/8 T.D. 4500
 CASING SIZE 5 1/2 x 14 DEPTH 4497
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX 1000 MINIMUM 100
 MEAS. LINE SHOE JOINT 27
 CEMENT LEFT IN CSG. 27
 PERFS.

OWNER Bison Production Co.
 CEMENT
 AMOUNT ORDERED 100sx ASC + 5th Kol-seal
25sx 60:40:4
300 gal mud Sweep

COMMON	15	@ 6.10	91.50
POZMIX	10	@ 3.15	31.50
GEL	1	@ 9.50	9.50
CHLORIDE		@	
ASC	100	@ 7.85	785.00
KOL-SEAL	500#	@ .38	190.00
MUD SWEEP	300 GAL	@ 1.80	540.00
		@	
HANDLING	125	@ 1.05	131.25
MILEAGE	125 x 30	.04	150.00

EQUIPMENT

PUMP TRUCK CEMENTER Carl Balding
 # 255-265 HELPER Stane Winsor
 BULK TRUCK
 # 242 DRIVER James Holt
 BULK TRUCK
 # DRIVER

TOTAL \$1928.75

REMARKS:

Break circulation w/ rig pump
run 200ls mud sweep, stop BRP pump
500ls mud sweep, load haul, plug bit house
Hole with 25sx 60:40:4
pump 100sx ASC + 5th Kol-seal, stop pumps
wash pump + lines, release plug, displace with
111.25 bbls Freshwater. Did rotate pipe until
Cement turn shoe, (rotate while circulating
and cementing)

SERVICE

DEPTH OF JOB	4497'		
PUMP TRUCK CHARGE			1090.00
EXTRA FOOTAGE		@	
MILEAGE	30	@ 2.85'	85.50
PLUG BRP	5 1/2"	@ 59.00	59.00
TRP	5 1/2"	@ 50.00	50.00
		@	

TOTAL \$1284.50

CHARGE TO: Bison Production Co.
 STREET 9320 EAST CENTRAL
 CITY WICHITA STATE KANSAS ZIP 67206

FLOAT EQUIPMENT

1- Regular Guide shoe	@ 168.00	168.00
1- APV Insert	@ 263.00	263.00
6- Centralizers	@ 56.00	336.00
	@	
	@	

TOTAL \$767.00

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE \$3980.25
 DISCOUNT \$597.03 IF PAID IN 30 DAYS
 NET \$3383.22

SIGNATURE Russell Myers

ALLIED CEMENTING CO. INC. 6240

ORIGINAL

SERVICE POINT:

Medicine Lodge

EMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

DATE 7-4-97	SEC 15	TWP. 31S	RANGE 8W	CALLED OUT 8:00AM	ON LOCATION 10:45AM	JOB START 1:45 PM	JOB FINISH 2:30 PM
EASE Stephens		WELL # 3A-15	LOCATION Nag Plant 2E, 15, 3/8E, 5/5		COUNTY Harper	STATE Kansas	

OLD OR NEW (Circle one)

CONTRACTOR Duke Rig 2

TYPE OF JOB Production Casing

HOLE SIZE 7 7/8 T.D. 4500

CASING SIZE 5 1/2 x 14 DEPTH 4497

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 1000 MINIMUM 100

MEAS. LINE _____ SHOE JOINT 27

CEMENT LEFT IN CSG. 27

PERFS. _____

OWNER Bison Production Co.
CEMENT

AMOUNT ORDERED 100sx ASC + 5th Kol-seal
25sx 60:40:4
300 gal mud Sweep

COMMON	<u>15</u>	@	<u>6.10</u>	<u>91.50</u>
POZMIX	<u>10</u>	@	<u>3.15</u>	<u>31.50</u>
GEL	<u>1</u>	@	<u>9.50</u>	<u>9.50</u>
CHLORIDE		@		
<u>ASC</u>	<u>100</u>	@	<u>7.85</u>	<u>785.00</u>
<u>KOL-SEAL</u>	<u>500#</u>	@	<u>.38</u>	<u>190.00</u>
<u>MUD SWEEP</u>	<u>300 GAL</u>	@	<u>1.80</u>	<u>540.00</u>
		@		
		@		
HANDLING	<u>125</u>	@	<u>1.05</u>	<u>131.25</u>
MILEAGE	<u>125 x 30</u>	@	<u>.04</u>	<u>150.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Carl Balding

255-265 HELPER Stane Winsor

BULK TRUCK DRIVER James Holt

249

BULK TRUCK DRIVER _____

TOTAL \$1928.75