

ORIGINAL

SIDE ONE

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

Operator: License # 30347

Name: DECAB Company

Address Box 609

City/State/Zip Hays, Kansas 67601

Purchaser: PERMAIN

Operator Contact Person: Tom Younger

Phone (913) 625-9148

Contractor: Name: Western Kansas Drilling, Inc.

License: 4083

Wellsite Geologist: Ron Nelson

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If **OWD**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

7-4-91 7-12-91 7-13-91

Spud Date Date Reached TD Completion Date

API NO. 15- 195-22,091-00-00

County Trego

C NE SE SE Sec. 32 Twp. 13 Rge. 21 XXX East West

990' Ft. North from Southeast Corner of Section

330' Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

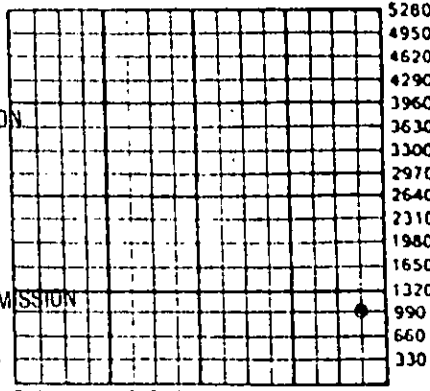
Lease Name Lawrence Locker Well # 3

Field Name Unknown

Producing Formation Arbuckle + LMC
CHEROKEE SAND 200

Elevation: Ground 2265' KB 2270'

Total Depth 4100' PBTD 4200'



10-11-91

RECEIVED
STATE CORPORATION COMMISSION

OCT 11 1991

RECEIVED
STATE CORPORATION COMMISSION

OCT 24 1991

Surface Pipe Set and Cemented at 207' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1626

feet depth to TOP w/ 200 250 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Thomas J. Younger

Title OPERATOR Date 10-10-91

Subscribed and sworn to before me this 10 day of OCT. 19 91.

Notary Public Karen Randa

Date Commission Expires 5-14-93



RECEIVED K.C.C. OFFICE USE ONLY
STATE CORPORATION COMMISSION

Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received

Distribution
 KCC/UN SWD/Rep NGPA
 KGS Plug Other (Specify)

OCT 16 1991

SIDE TWO

Operator Name DECAB Company Lease Name Lawrence Locker Well # 3
 Sec. 32 Twp. 13 Rge. 21 East West County Trego

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample <table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>TOP ANHYDRITE</td><td>-</td><td></td></tr> <tr><td>BASE ANHYDRITE</td><td>-</td><td></td></tr> <tr><td>TOPEKA</td><td>-</td><td></td></tr> <tr><td>HEEBNER</td><td>3593</td><td></td></tr> <tr><td>TORONTO</td><td>3612</td><td></td></tr> <tr><td>LKC</td><td>3630</td><td></td></tr> <tr><td>BKC</td><td>3675</td><td></td></tr> <tr><td>MARMATON</td><td>3969</td><td></td></tr> <tr><td>CHEROKKE SHALE</td><td>4008</td><td></td></tr> <tr><td>CHEROKEE SAND</td><td>4029</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	TOP ANHYDRITE	-		BASE ANHYDRITE	-		TOPEKA	-		HEEBNER	3593		TORONTO	3612		LKC	3630		BKC	3675		MARMATON	3969		CHEROKKE SHALE	4008		CHEROKEE SAND	4029	
Name	Top		Bottom																																
TOP ANHYDRITE	-																																		
BASE ANHYDRITE	-																																		
TOPEKA	-																																		
HEEBNER	3593																																		
TORONTO	3612																																		
LKC	3630																																		
BKC	3675																																		
MARMATON	3969																																		
CHEROKKE SHALE	4008																																		
CHEROKEE SAND	4029																																		
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		

CASING RECORD ARBUCKLE 4046
 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 1/2"	8 5/8	20#	207'	60/40 poz	140sks	3%cc 2%gel
Production	7 7/8	5 1/2		4099'	60/40 poz	150sks	2%gel 2%cc 10% salt

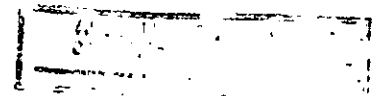
Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	1625-1626	cement squeeze	
4	4052-4058		
4	4046-4048 3200-3708 DG	See Attached	

TUBING RECORD Size 2 3/8 Set At 4089.43 Packer At _____ Liner Run Yes No

Date of First Production 7-25-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil 6 Bbls.	Gas NONE Mcf	Water 70 Bbls.	Gas-Oil Ratio 9 TO 1	Gravity 30
-----------------------------------	-------------	--------------	----------------	----------------------	------------

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) TWO STAGE Production Interval _____



15-195-22091-00-00
ORIGINAL

DRILLER'S LOG

Operator: DECAB Company

Contractor: Western Kansas Drilling, Inc.

Well & Well Description: Lawrence Locker #3
C-NE-SE-SE 32-13-21 Trego County, Kansas

Commenced: 7-4-91

Completed: 7-13-91

Character of Well: Oil Well

Elevation: 2265' GL 2270' KB

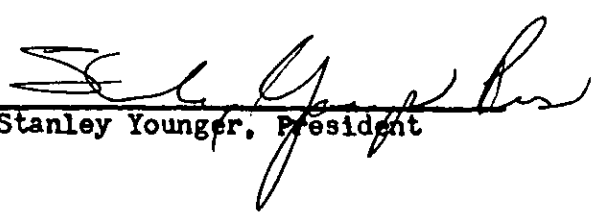
Casing: Ran 5 jts. of 8 5/8's set @ 207'
Ran 123 jts. of 5 1/2 set @ 4099'

Figures Indicate Bottom of Formations

0' - 1663'	Sand & Shale	4047' - 4100'	Dolomite
1663' - 1706'	Anhy.		
1706' - 1875'	Sand & Shale		
1875' - 2915'	Shale		
2915' - 3083'	Lime & Shale		
3083' - 3215'	Shale		
3215' - 3923'	Lime & Shale		
3923' - 4007'	Lime		
4007' - 4047'	Lime & Shale		

State of Kansas)
County of Ellis) ss:

I Stanley Younger, President of Western Kansas Drilling, Inc. upon oath state that the above and foregoing is a true and correct copy of the log of the Lawrence Locker #3


Stanley Younger, President

ORIGINAL **MERCURY WIRELINE, INC.**
 P.O. Box 680
 Hays, Kansas 67601-0680
 Phone 913 / 625-1182

Bound Log
 Prec Pumping
 No 9710
 15-195-22091-00-00
 DATE 7-19-91

Job Ticket

TO: DECAB CD
 ADDRESS _____
 LEASE AND WELL NO. LOCKER NO. 3 FIELD LOCKER
 NEAREST TOWN OGALLAH COUNTY TREGO STATE KS
 CUSTOMER'S ORDER NO. VERBAL SEC. 32 TWP. 12S RANGE 21W
 ZERO 5' ABL CASING SIZE 5 1/2 WEIGHT _____
 CUSTOMER'S T.D. _____ Mercury WL T.D. 4075 FLUID LEVEL 3570
 ENGINEER T. MINCH OPERATOR M. PATTERSON

PERFORATING

CODE REFERENCE	DESCRIPTION	NO HOLES	DEPTH FROM	TO	AMOUNT
4 713-005-015	PERF	24	4052	4058	
U 713-005-015	PERF	8	4046	4048	
TOTAL		32			\$ 1538

TRUCK RENTAL

CODE REFERENCE	RUN NO.	PREVIOUS INVOICE NO.	AMOUNT
1120	ONE		1680

DEPTH OF OPERATIONS CHARGES

CODE REFERENCE	FROM	TO	NO. FEET	PRICE PER FT.	AMOUNT
722-015	0	4075	4075	.38	1548
722-015	4075	3400	675	1.10	760

PLUGS, PACKERS, AND OTHER STATE CORPORATION COMMISSION

CODE REFERENCE	MFG. TYPE	CASING SIZE	WEIGHT	DEPTH	AMOUNT
					OCT 24 1991

TOTAL \$4526

MATERIAL INVENTORY

32 4" 606X
 1 NEG
 1 UPD
 14 P.C.
 Date Received: **JUL 21 1991**
 Date For Agreement: **0535**
 Date For Job: **91.3**
 Date For Job: **302.00**

DISCOUNT PRICE # 2263

SUB TOTAL

PLEASE PAY FROM THIS INVOICE
TOTAL \$ 2263.00

THANKS

RECEIVED THE ABOVE SERVICE ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED BELOW WHICH WE HAVE READ AND TO WHICH WE HEREBY AGREE.

Customer _____ General Terms and Conditions

- All accounts are to be paid within the terms fixed by Mercury WL Invoices; and should these terms not be observed, interest at the rate of 1.5% per month will be charged from the date of such invoice.
- Because of the uncertain conditions existing in a well which are beyond the control of Mercury WL. It is understood by the customer that Mercury WL. cannot guarantee the results of their services and will not be held responsible for personal or property damage in the performance of their services.
- Should any of Mercury WL. instruments be lost or damaged in the performance of the operations requested, the customer agrees to make every reasonable effort to recover same, and to reimburse Mercury WL. for the value of the items which cannot be recovered, or the cost of repairing damage to items recovered.
- It is further understood and agreed that all depth measurements shall be supervised by the customer or its employees, and customer hereby certifies that the same, as shot were approved.
- The customer certifies that it has the full right and authority to order such work on such well and that the well in which the work is to be done by Mercury WL is in proper and suitable condition for the performance of said work.
- No employee is authorized to alter the terms or conditions of this agreement.

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Test Ticket

15-195-22 091-00-00

3924

Well Name & No. <u>Lawrence Locker #3</u>	Test No. <u>1</u>	Date <u>7-10-91</u>
Company <u>Decsb Company</u>	Zone Tested <u>LKC</u>	
Address <u>Box 609 Hays, KS 67601</u>	Elevation <u>2200 K13</u>	
Co. Rep./Geo. <u>Ray Nelson</u>	cont. <u>WKDA2</u>	Est. Ft. of Pay _____
Location: Sec. <u>32</u>	Twp. <u>12s</u>	Rge. <u>21w</u>
	Co. <u>Trego</u>	State <u>Ks</u>
No. of Copies <u>3</u>	Distribution Sheet _____	Yes _____ No _____
Turnkey _____	Yes _____ No _____	Evaluation _____

Interval Tested <u>3687-3710</u>	Drill Pipe Size <u>4 1/2 FH</u>
Anchor Length <u>23</u>	Top Choke — 1" _____ Bottom Choke — 1/4" _____
Top Packer Depth <u>3682</u>	Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
Bottom Packer Depth <u>3687</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>3710</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.2</u> lb/gal.	Viscosity <u>45</u>
Tool Open @ <u>1:14 AM</u>	Filtrate <u>6</u>
Initial Blow <u>1/2" blow building to 3 1/2"</u>	
Final Blow <u>1/2" blow building to 4"</u>	

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
Rec. <u>5</u> Feet Of <u>oil</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. <u>45</u> Feet Of <u>oil speckled mud</u>	%gas <u>3</u> %oil _____ %water <u>95</u> %mud _____	
Rec. <u>60</u> Feet Of <u>muddy water</u>	%gas _____ %oil <u>45</u> %water <u>55</u> %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT _____ °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW .165 @ 21.2 °F Chlorides 45,000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud <u>1840</u> PSI	AK1 Recorder No. <u>13277</u>	Range <u>4125</u>
(B) First Initial Flow Pressure <u>41</u> PSI	@ (depth) <u>3690</u>	w/Clock No. _____
(C) First Final Flow Pressure <u>50</u> PSI	AK1 Recorder No. <u>24174</u>	Range <u>3350</u>
(D) Initial Shut-In Pressure <u>1087</u> PSI	@ (depth) <u>3709</u>	w/Clock No. _____
(E) Second Initial Flow Pressure <u>58</u> PSI	AK1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>66</u> PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>1078</u> PSI	Initial Opening <u>45</u>	Test _____
(H) Final Hydrostatic Mud <u>1815</u> PSI	Initial Shut-In <u>45</u>	Jars _____

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, 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.

Final Flow <u>45</u>	Safety Joint _____
Final Shut-In <u>45</u>	Straddle _____
	Circ. Sub _____
	Sampler _____

Approved By Paul Simpson

Our Representative Paul Simpson

Extra Packer _____

Other _____

TOTAL PRICE \$ _____

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

15-195-22091-00-00

ORIGINAL

Test Ticket

3925

Well Name & No. Laudena Locker #35 Test No. 2 Date 7-11-91
 Company De Cab Company Zone Tested Cherokee
 Address Box 609 Hays Ks 67601 Elevation 2270 KB
 Co. Rep./Geo. Ron Nelson Cont. W KD #2 Est. Ft. of Pay _____
 Location: Sec. 32 Twp. 12s Rge. 21w Co. Trego State Ks
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3998-4047 Drill Pipe Size 4 1/2"
 Anchor Length 49 Top Choke — 1" _____ Bottom Choke — 1/4" _____
 Top Packer Depth 3993 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3998 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4047 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 9.5 lb/gal. Viscosity 48 Filtrate 8
 Tool Open @ 2:55 PM Initial Blow weak surface blow closed in 12 min
 Final Blow no blow - flush tool - no blow after surge

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?			
<u>5</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud
Rec. _____ Feet Of _____		%gas	%oil	%water	%mud

BHT 117 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides _____ ppm System

- (A) Initial Hydrostatic Mud 2099 PSI AK1 Recorder No. 13277 Range 1125
- (B) First Initial Flow Pressure 25 PSI @ (depth) 4032 w/Clock No. 17639
- (C) First Final Flow Pressure 25 PSI AK1 Recorder No. 24174 Range 3350
- (D) Initial Shut-In Pressure 49 PSI @ (depth) 4046 w/Clock No. 2750
- (E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. _____ Range _____
- (F) Second Final Flow Pressure _____ PSI @ (depth) _____ w/Clock No. _____
- (G) Final Shut-In Pressure _____ PSI Initial Opening 30 Test _____
- (H) Final Hydrostatic Mud 2082 PSI Initial Shut-In 30 Jars _____

Final Flow 5 Safety Joint _____
 Final Shut-In _____ Straddle _____
 Circ. Sub _____
 Sampler _____

Approved By [Signature]
 Our Representative [Signature]

Extra Packer _____
 Other _____

TRILOBITE TESTING COMPANY

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

Test Ticket

15-195-22091-00-00 410

Well Name & No. <u>Lawrence Locker #3</u>	Test No. <u>3</u>	Date <u>7-12-91</u>
Company <u>DeCah Company</u>	Zone Tested <u>Arbuckle</u>	
Address <u>Box 609 Hays, Ks 67601</u>	Elevation <u>2270 KRB</u>	
Co. Rep./Geo. <u>Ron Nelson</u>	cont. <u>WHD #2</u>	Est. Ft. of Pay _____
Location: Sec. <u>32</u>	Twp. <u>12s</u>	Rge. <u>21w</u>
	co. <u>Trego</u>	State <u>Ks</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____
Turnkey _____	Yes _____ No _____	Evaluation _____

Interval Tested <u>3998-4060</u>	Drill Pipe Size <u>4 1/2 FT</u>
Anchor Length <u>62</u>	Top Choke — 1" _____ Bottom Choke — 1/4" _____
Top Packer Depth <u>3993</u>	Hole Size — 77/8" _____ Rubber Size — 63/4" _____
Bottom Packer Depth <u>3998</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>4060</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>9.5</u> lb/gal.	Viscosity <u>48</u> Filtrate <u>8</u>
Tool Open @ <u>1:03 AM</u>	Initial Blow <u>1/2" blow building to 7/2"</u>
Final Blow <u>Surface blow building to 4'</u>	

Recovery	Total Feet	Feet of Gas In Pipe	Flush Tool?
Rec. <u>2</u>	Feet Of <u>cl oil</u>	% gas <u>100</u> % oil _____ % water _____ % mud _____	
Rec. <u>108</u>	Feet Of <u>MCO</u>	% gas <u>50</u> % oil _____ % water <u>50</u> % mud _____	
Rec. _____	Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	
Rec. _____	Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	
Rec. _____	Feet Of _____	% gas _____ % oil _____ % water _____ % mud _____	

BHT _____ °F Gravity _____	°API @ _____	°F Corrected Gravity _____	°API _____
RW _____ @ _____ °F	Chlorides _____ ppm	Recovery _____	Chlorides _____ ppm System _____
(A) Initial Hydrostatic Mud <u>2166</u>	PSI	Ak1 Recorder No. <u>13227</u>	Range <u>4125</u>
(B) First Initial Flow Pressure <u>58</u>	PSI	@ (depth) <u>4029</u>	w/Clock No. <u>30401</u>
(C) First Final Flow Pressure <u>66</u>	PSI	Ak1 Recorder No. <u>24174</u>	Range <u>3350</u>
(D) Initial Shut-In Pressure <u>953</u>	PSI	@ (depth) <u>4059</u>	w/Clock No. <u>27561</u>
(E) Second Initial Flow Pressure <u>83</u>	PSI	Ak1 Recorder No. _____	Range _____
(F) Second Final Flow Pressure <u>91</u>	PSI	@ (depth) _____	w/Clock No. _____
(G) Final Shut-In Pressure <u>920</u>	PSI	Initial Opening <u>45</u>	Test _____
(H) Final Hydrostatic Mud <u>2083</u>	PSI	Initial Shut-In <u>45</u>	Jars _____

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, 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.

Final Flow <u>45</u>	Safety Joint _____
Final Shut-In <u>45</u>	Straddle _____
	Circ. Sub _____
	Sampler _____

Approved By _____

Our Representative Paul Simpson

Extra Packer _____

Other _____

TOTAL PRICE \$ _____

ORIGINAL

Production Drilling

LOCKER #3

7-13-91

Cir 1hr, lay down drill pipe.

Run 5 1/2 csg.

1 5 1/2 Halco shoe & insert 1.00

123 jts 5 1/2 14# csg used S.T.C. 4,111.00

Bottom csg set @ 4099'

Cir 1hr Basket 1685' 77jt.

Rig up Halco to cement W/150 sks 60/40 pos W/10% salt 2% c.c.

Good cir through out.

Plug down @ 4:45am. Held.

Cmt. on 1-2-5-8-12-15 jt.

Relase rig.

7-19-91

Rig up Leon's Cable Tools.

Swab csg down to 3500'.

Perf ARB 4046-48 4052-58. Finish swabing csg down.

Test well. 30min 75' fill up trace oil.

30min 20' fill up good oil & mud.

S.D.F.D. 5:30pm

7-22-91

62hrs S.I. 1625' fill up

400' oil, 1225' water, swab down 38.50 bbl.

Start test

30min 25'

1hr 30min 10' .58bbl 30% oil, 70% water & mud.

30min 15'

1hr 30min 15' .58bbl 39% oil, 70% water & mud.

30min 15'

1hr 30min 15' .58bbl 40% oil, 60% water & mud.

30min 12'

Rig up serfco to acidize well.

250gal 15% M.C.A.

Max P.S.I. 1250#, 1/2 B.P.M. 900#, I.S.I.P. 850#, 15min 100#.

Swab load back. 98bbl show of oil last 500'.

30min 75'

1hr 30min 75' 2.90bbl 23%oil, 77% water & mud.

S.D.F.D. 5:00pm

RECEIVED
STATE CORPORATION COMMISSION

OCT 24 1991

CORPORATION DIVISION
Wichita, Kansas

ORIGINAL

Production Drilling

LOCKER #3 (cont.)

7-23-91

14hr shut in. 1100' fill up.
100' oil, 1000' water & mud. Swab down 26.76 14%oil.
Start test

	30min	100'			
1hr	30min	50'	3.48bbl	33% oil	67% water & mud.
	30min	70'			
2hr	30min	70'	3.48bbl	26% oil	74% water.
	30min	50'			
3hr	30min	50'	2.32bbl	22% oil	78% water.
	30min	50'			
4hr	30min	50'	2.32bbl	30% oil	70% water.
	30min	50'			
5hr	30min	50'	3.48bbl	27% oil	73% water.

Set CI plug @ 4040'

Per K.C. E zone 3704'-3708'

Swab test dump 6 B.W. down csg.

Run swab. Recover 3 gal oil & water some mud.

Rig up Serfco to treat well

250gal 15% M.C.A. acid 96bbl Total Load.

Max P.S.I. 300# 1/4 BPM 200# 1/4 BPM 250# 1/2 BPM 300#

250# I.S.I.P. 1 min 0

Swab load back Load 96bbl

recovered 94bbl. Good show of oil 35%

S.D.F.D.

7-24-91

13hr shut in. 1500' fill up. 250' oil.
Swab down csg 40.58 bbl 28% last pull.

Swab test

	30min	200'			
1hr	30min	150'	6.38bbl	50% oil	50% water.
	30min	125'			
2hr	30min	125'	6.38bbl	25% oil	75% water.
	30min	125'			
3hr	30min	125'	5.22bbl	25% oil	75% water.
	30min	115'	2.32bbl	25% oil	75% water.

Perf K.C. E zone 3700-04

1hr 290bbl.

Rig up Serfco to treat. Load 116bbl.

1000 gal NE acid.

Max PSI 500# 4 1/2 BPM ISIP 300# 6min Vac.

Swab load, recovered 106.70

Test

	30min	210'	3.48bbl		
1hr	30min	200'	4.02bbl	28% oil	72% water.

SDFD.

RECEIVED
STATE CORPORATION COMMISSION

OCT 24 1991

CONSERVATION DIVISION
Wichita Kansas

ORIGINAL

Production Drilling

LOCKER #3 (cont.)

7-25-91

28bbl oil in tank.

14hr S.I. 1200' fill up 250' oil & water.

Drive CI plug to bottom. 42' 4082'TD

Run bailer clean out.

Run tbg

KB 5'		3.00
1	2 3/8 EUE 8Rd MA	15.25
1	2 3/8 EUE 8Rd SN	1.10
130	jts 2 3/8 EUE 8Rdtbg used	4051.53
1	2 3/8 EUE 8Rd Sub	8.15
1	2 3/8 EUE 8Rd Sub	6.20
1	2 3/8 EUE 8Rd Sub	4.20

7ft off bottom S.N. @ 4073'

Bottom tbg set @ 4089.43

Run rods

1	1 X 10' gas anchor	
1	2 X 1 1/2 X 12 bottom hole pump	
	TB bottom hole down.New	12'
1	3/4 X 2 Sub Used	2'
162	3/4 X 25' Rods Used	<u>4050'</u>
1	1 1/4 X 16' Polish rod Used	4064
	with 6' liner	

Rig down.

RECEIVED
STATE CORPORATION COMMISSION

OCT 24 1991

CONSERVATION DIVISION
Wichita Kansas

PRODUCTION DRILLING ORIGINAL

LOCKER #3

10-7-91

Rig up Leon's Drilling. Pull rods and tubing to cement top stage.
Set Halco plug @ 3650'
Dump 1 sk.sand on plug, load hole w/80 B.S.W.
Rig up Mercury Wireline to perf 1625' - 3 holes
Run Halco packer @ tubing
Set packer @ 1500', pressure csg.to 500#
6 bbl. broke cir., mix cmt.
Pump 200 sks. 60/40 pos.6% gel, cir. to surface
Mix 50 sks. common 2% CC
Stage squeeze to 1400# - held, left 1½ bbl in csg.
Rig up to wash out and mud out to 2013'
Pull tbg. out, set packer @ 1500'
Pressure squeeze to 500# , shut in for night.
Shut down for day.

10-8-91

Run tubing wash sand off plug
Pull tbg. packer and plug
Change out 2 jts. tbg.
Run tbg. & rods
Long stroke pump - good blow
Motor would not run
Rig down.

RECEIVED
STATE CORPORATION COMMISSION

OCT 24 1991

CLERK
MICHAEL J. HARRIS

PRODUCTION DRILLING ORIGINAL

LOCKER #3

10-7-91

Rig up Leon's Drilling. Pull rods and tubing to cement top stage.
Set Halco plug @ 3650'
Dump 1 sk. sand on plug, load hole w/80 B.S.W.
Rig up Mercury Wireline to perf 1625' - 3 holes
Run Halco packer @ tubing
Set packer @ 1500', pressure csg. to 500#
6 bbl. broke cir., mix cmt.
Pump 200 sks. 60/40 pos. 6% gel, cir. to surface
Mix 50 sks. common 2% CC
Stage squeeze to 1400# - held, left 1½ bbl in csg.
Rig up to wash out and mud out to 2013'
Pull tbg. out, set packer @ 1500'
Pressure squeeze to 500# , shut in for night.
Shut down for day.

10-8-91

Run tubing wash sand off plug
Pull tbg. packer and plug
Change out 2 jts. tbg.
Run tbg. & rods
Long stroke pump - good blow
Motor would not run
Rig down.

RECEIVED
STATE CORPOR

OCT 11 1991

CONSERV.
Wichita

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO

FORM 1908 R-7

A Division of Halliburton Company

DISTRICT TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. LEASE SEC TWP RANGE FIELD COUNTY STATE OWNED BY

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

Table with columns: FORMATION NAME, THICKNESS, PACKER TYPE, TOTAL DEPTH, BORE HOLE, INITIAL PROD, PRESENT PROD, NEW USED, WEIGHT, SIZE, FROM, TO, MAX ALLOW PSI. Includes handwritten entries like '5 1/2', '2 3/4', and 'OCT 11 1991'.

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Handwritten treatment instructions: SQUEEZE BACK UP 275 SPS 6 1/2" P 12 6" GEL 1/4" FLUORIDE/SL SU SKA STANDARD W 2 1/2 CC

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above parties Customer agree THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- Legal clauses a) through h) detailing payment terms, liability, and warranties. Clause a) covers payment terms. Clause b) covers liability for damage. Clause c) covers disclaimer of warranty. Clause d) covers equipment liability. Clause e) covers indemnification. Clause f) covers force majeure. Clause g) covers assignment. Clause h) covers contract modifications.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED DATE 10-7-91 TIME 12:45 A.M. P.M. CUSTOMER

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

ORIGINAL

WELL DATA

FIELD _____ TWP. _____ RNG _____ COUNTY **TREGO** STATE **KS**

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

PRESENT PROD. OIL _____ SPD. WATER _____ SPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PM ALLOWABLE
CASING			5/2			
LINER						
TUBING			2 3/8			
OPEN HOLE						SHOTS/FT
PERFORATIONS					16-5	
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 10-7-91	DATE 10-7-91	DATE 10-7-91	DATE 10-8-91
TIME 0800	TIME 1300	TIME 1430	TIME 0800

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
MEC WILDERS		110ys
ALAN GAGEL		110ys
DAVE DASH		110ys
BOB MAUSHMER		110ys

MATERIALS

TREAT FLUID _____ DENSITY _____ LB/GAL-API

DISPL FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____

ACID TYPE _____

SURFACTANT TYPE _____

NE AGENT TYPE _____

FLUID-LOSS ADD. TYPE _____

GELLING AGENT TYPE _____

FRIC. RED. AGENT TYPE _____

BREAKER TYPE _____

BLOCKING AGENT TYPE _____

PERFPAC BALLS TYPE _____

OTHER _____

DEPARTMENT **CEMENT**

DESCRIPTION OF JOB **Synthetic Fracs**

JOB DONE THRU: TUBING CASING ANNULUS TBG-ANN

CUSTOMER REPRESENTATIVE **X [Signature]**

HALLIBURTON OPERATOR **Mahon / Chabrier** COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	BRAND	BULK BAGGED	ADDITIVES	YIELD CU FT./BK.	MIXED LBS./GAL.
	275	LOWE	PUL B	6% GEL	1.84	12.7
	50	STANDARD	B	2% GEL	1.18	15.5

PRESSURES IN PSI _____

CIRCULATING _____

BREAKDOWN _____

AVERAGE _____

SHUT-IN INSTANT _____

ORDERED _____

TREATING _____

CEMENT LEFT IN PIPE _____

SUMMARY

VOLUMES

PREFLUSH: BBL-GAL _____ TYPE _____

LOAD-2 BKDN: BBL-GAL _____ PAD: BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____

CEMENT SLURRY: BBL-GAL _____

TOTAL VOLUME: BBL-GAL _____

REMARKS **SEE JOBS LOG**

1991

JOB LOG

WELL NO. 3 LEASE LOCKER

TICKET NO. 170

COMPANY DE-CAB

PAGE NO. 1

TOOL JOE SQUIRRELS

DATE 10-7-91

FORM 2015 R-2

CHART NO.	TIME	VOLUME (GAL)	PSI	PSI	DESCRIPTION OF OPERATION AND MATERIALS
					ORIGINAL
	11:00				ON WOC RIG LAYING OUT T
	11:30				RICK UP & INCH UP TUB
					JAWCY - RTIS 8.53 0.1
					TANK 786 2 1/2
					SE 140 @ 1500
					500 LANE & PRESSURE ANNOUNS TUB
					SQUEEZE PRESSURE 1025 W/
					ESTABLISH TUBS & GATE
					GET BEAD FROM JAW
	12:30				START MIX & PUMP
					215 JKS GUP FOR 6000
					50 SCS STAND UP W/ 140
	13:10				COMING OVER TO SQUEEZE UP
					200 SCS MIXED W/ 1000
					TO WASH UP 75 SCS
	15:00				FINISH UP (MIX) < PRESS
					← AFTER 2000 W/ 1000
	15:30				WASH PUMP & LINE
	16:00	8	810		STOP W/ STOP W/ 1000
	16:30		810		DISP TUB & LINE
					WASH UP PUMP
					WASH UP OPEN W/ 706
					MIX 200 PRESSURE ANNOUNS TUB
	16:30				MIX 200 PRESSURE ANNOUNS TUB
					STAGE CEMENT
	17:00				SQUEEZE @ 1000 FT PRESSURE
					DRY W/
	17:30				REPRESSURE SQUEEZE
					RELEASE PRESSURE & RTIS
					& WASH PUMP THROUGH SQUEEZE
	17:45				ON WASH THROUGH SQUEEZE CEMENT
					AND WASH & CMC @ 1781
					AND WASH & CMC @ 2025 W/
					PUMP RTIS UP & SET @ 1471
	18:25				LANE TUB & PRESSURE 10 5
					SILENT OVERMIGT

CUSTOMER

JOB LOG

WELL NO. 3 LEASE LOC

TICKET NO. 17055

CUSTOMER DECAB

PAGE NO. 2

SOVELLO

DATE 10-8-91

FORM 2013 R-2

CHART NO.	TIME	PUMP	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				A	B	TUBING	CASING	
	0730							ON LOC RELEASE PRESSURE & RTIS RIG DOWN T36
	0830							PICK UP TO T36 4WD BREAK CIRC TO CIRCLES & C DOWN TO WEL RBP & CIRC S SURFACE
	0850							RBP RELEASED RIG DOWN T36 LACK UP JOB COMPLETE
								<i>Mel Chloers</i> <i>Alan Gabel</i> <i>Bub Maughamer</i> <i>Darrell Will Brock</i>

CUSTOMER

HALLIBURTON SERVICES

Dallas, Oklahoma 75202

A Division of Halliburton Company

ORIGINAL

NO. 170350 141

FORM 1908 P-11

WELL NO. - FARM OR LEASE NO. H-3	COUNTY TREXO	STATE KS	CITY / OFFSHORE LOCATION	DATE 11
CHARGE TO DECA	OWNER SAME	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		INTRODUCED BY YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS	CONTRACTOR LEON WEISER	LOCATION 1 HAYS, KS	CODE	
CITY, STATE, ZIP	SHIPPED VIA HISCO	FREIGHT CHARGES 2 LOCATION	CODE	
WELL TYPE	WELL PERMIT NO.	DELIVERED TO S/W FLUS, KS	CODE	
TYPE AND PURPOSE OF USE	ORDER NO.	REFERRAL LOCATION		

As consideration for the services rendered by Halliburton, the customer hereby agrees to pay to Halliburton the amount of the invoice within the time specified in the invoice to deduct. Customer agrees to pay interest thereon after default at the highest legal rate. Customer agrees to pay all collection costs and attorney fees at the option of Halliburton. Customer agrees to pay all collection costs and attorney fees at the option of Halliburton. Customer agrees to pay all collection costs and attorney fees at the option of Halliburton.

HALLIBURTON SERVICES AND ITS AGENTS ARE NOT RESPONSIBLE FOR THE SAFETY OF THE OPERATIONS OF THE CUSTOMER'S WELLBORES OR EQUIPMENT. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE CUSTOMER'S LIABILITY AND OBLIGATION TO THE SUPPLIER OF MATERIALS IS EXPRESSLY LIMITED TO THE REPLACEMENT OF SUCH MATERIALS. HALLIBURTON SERVICES AND ITS AGENTS SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

Price Reference	QTY	MEAS	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
				QTY	MEAS	QTY	MEAS		
000-107	1		MILEAGE TRK 3472	26.0	M			2.60	67.60
109-134	1		PUMP SERVICE	1665	FT				9.15
9-029	1		HOOD WASH	1	KS				1.80

THIS IS NOT AN INVOICE

AS PER ATTACHED MATERIAL DELIVERY TICKET NO. B- 9/12/01

WAS JOB SATISFACTORILY COMPLETED
 WAS OPERATION OF EQUIPMENT SATISFACTORY
 WAS PERFORMANCE OF PERSONNEL SATISFACTORY
 CUSTOMER OR HIS AGENT (PLEASE PRINT)
 CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE LABOR CERTIFICATION ACT OF 1963, AS AMENDED HAS BEEN COMPLIED WITH IN THE PERFORMANCE OF ABOVE AND ON TOTAL SERVICE TO SERVICES PROVIDED UNDER THIS CONTRACT.
 [Signature]
 HALLIBURTON OPERATOR
 HALLIBURTON APPROVAL
 CUSTOMER

SUB TOTAL
 APPLICABLE TAX
 BE ADDED

JOB LOG

WELL NO. 3 LEASE LOCKER TICKET NO. 1710
 CUSTOMER DECA3 PAGE NO. 1
 JOB TYPE SQUEEZE DATE 10-7-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	WELL	CASING	
								ORIGINAL
	1100							Run casing up to 1625'
	1150							Pick up 1st well RB
								Push to 3640'
								cut w/ swap line down
								on pump
								McR. 1400 w/ R-10 @ 710'
								@ 3640'
								Dump 1st sand & comp CSB
								PER @ 1625
	1330							Pick up 2nd well RB
								TALLY 835'
								TALLY 736' 2"
								SET RAS @ 1500'
	1940					310		LOAD and 1/2 sand
						100		ESTABLISH INJECTION
	1450							MIX & PUMP HALLU COM
	1700							PER SQUEEZE
								RELEASE RAS & WASH
								THROUGH SQUEEZE W/ 1/2"
								TO 1650' R-10 4513 S
								@ 1781 - CIRC 1625
								R-10 8175 @ 2020 CIRC
								CLEAN
								PULL RAS UP TO 1471' & SET
								LOAD THE PRESSURE TO SQUEEZE
								ESTABLISH TELL
	1825							10-8-91
	0730							on well release pressure
								RIG RUN TEG
	0930							CIRC SAND OFF RBP
	0845							RELEASE RBP & PULL TEG
	1045							TOOLS PICKED UP
								JOB COMPLETE

Thank You

NO 7/91

WELL DATA

FIELD _____ TWP _____ RNG _____ COUNTY TRAGO STATE AL

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OH _____ SPD. WATER _____ SPD. GAS _____ MCFD

PRESENT PROD: OH _____ SPD. WATER _____ SPD. GAS _____ MCFD

COMPLETION DATE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PG ALLOWABLE
CASING			5 1/2			
LINER						
TUBING			2 3/8			
OPEN HOLE						SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-7-91</u>	DATE <u>10-7-91</u>	DATE <u>10-7-91</u>	DATE <u>10-7-91</u>
TIME <u>0800</u>	TIME <u>1100</u>	TIME <u>1200</u>	TIME _____

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO & TYPE	LOCATION
<u>MEL CHANDLER</u>	<u>34427</u>	<u>HAZARD</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____ LB _____

PROP. TYPE _____ LB _____

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

PRC. RED. AGENT TYPE _____ GAL-LB _____ IN

BREAKER TYPE _____ GAL _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____ IN

PERPPAC BALLS TYPE _____ QTY _____

OTHER _____

OTHER _____

DEPARTMENT Tool

DESCRIPTION OF JOB Run well log & test
INJECT & SPEAR

JOB DONE THRU: TUBING CASING ANNULUS TRG/ANN

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Mel & Chandra COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	WARRANT	BULK BAGGED	ADDITIVES	YIELD CU FT/BK	MIXED LBS/GAL

PRESSURES IN PSI

CIRCULATING _____

BREAKDOWN _____

AVERAGE _____

SHUT-IN INSTANT _____

ORDERED _____

TREATING _____

FEET _____

SUMMARY

VOLUMES

PREFLUSH: BBL-GAL _____ TYPE _____

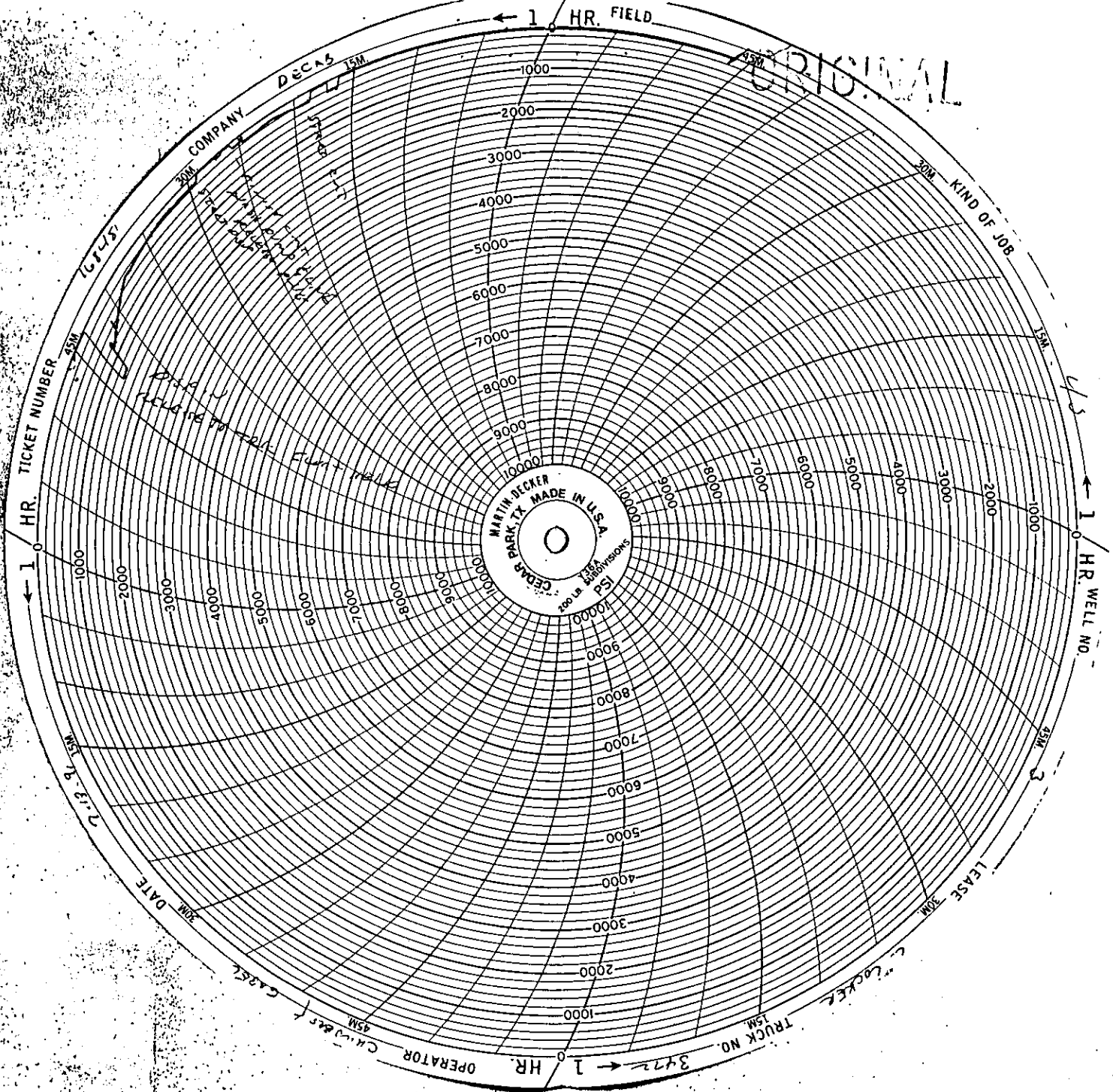
LOAD & BKDN: BBL-GAL _____ PAD BBL-GAL _____

TREATMENT: BBL-GAL _____ DISPL: BBL-GAL _____

CEMENT SLURRY: BBL-GAL _____

TOTAL VOLUME: BBL-GAL _____

REMARKS



RECEIVED
STATE CORPORATION COMMISSION

OCT 11 1991

Office of the Secretary of State
Austin, Texas



FORM 1908 R-7

A Division of Halliburton Company

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 100700

DISTRICT: Hays, Ks

DATE: 7-4-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Decab (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #3 LEASE Lawrence Lacker SEC 32 TWP. 12 RANGE 21 FIELD COUNTY Trego STATE Ks OWNED BY Some

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE FORMATION THICKNESS FROM TO PACKER: TYPE SET AT TOTAL DEPTH MUD WEIGHT BORE HOLE INITIAL PROD: OIL BPD, H2O BPD, GAS MCF PRESENT PROD: OIL BPD, H2O BPD, GAS MCF

Table with columns: NEW USED, WEIGHT, SIZE, FROM, TO, MAX. ALLOW. P.S.I., SHOTS/FT. Rows include CASING, LINER, TUBING, OPEN HOLE, PERFORATIONS.

PREVIOUS TREATMENT: DATE TYPE MATERIALS TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED

Cmt 3 1/2" Surface Casg

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED. a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for: 1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner... 2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof. 3. Personal injury or death or property damage... c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials... d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well... f) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act... g) That this contract shall be governed by the law of the state where services are performed or materials are furnished. h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT. SIGNED: [Signature] DATE: 7-4-91 TIME: 06:00 A.M. PM. RECEIVED CUSTOMER CORPORATION COMMISSION

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

FIELD OFFICE

OCT 11 1991

CONSERVATION DIVISION Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION Chick
 HALLIBURTON LOCATION Hayes Ks

BILLED ON TICKET NO. 112712

WELL DATA

FIELD _____ SEC. 32 TWP. 12 RANG. 21 COUNTY Trego STATE Ks

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		<u>u</u>		<u>8 3/8</u>	<u>0</u>	<u>210</u>	
LINER							
TUBING							
OPEN HOLE				<u>12 1/2</u>	<u>210</u>	<u>210</u>	SHOTS/FT.
PERFORATIONS							
PERFORATIONS							

JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<u>7-11-91</u>	<u>7-11-91</u>	<u>7-11-91</u>	
TIME <u>04:30</u>	TIME <u>05:30</u>	TIME <u>06:30</u>	TIME

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Becker</u>	<u>Comb</u>	
<u>A. Dinkert</u>	<u>51143</u>	<u>Hayes K</u>
<u>D. Ash</u>	<u>BT</u>	
	<u>51252</u>	

MATERIALS

TREAT. FLUID	DENSITY	LB/GAL-API
DISPL. FLUID	DENSITY	LB/GAL-API
PROP. TYPE	SIZE	LB
PROP. TYPE	SIZE	LB
ACID TYPE	GAL	%
ACID TYPE	GAL	%
ACID TYPE	GAL	%
SURFACTANT TYPE	GAL	IN
NE AGENT TYPE	GAL	IN
FLUID LOSS ADD. TYPE	GAL-LB	IN
GELLING AGENT TYPE	GAL-LB	IN
FRIC. RED. AGENT TYPE	GAL-LB	IN
BREAKER TYPE	GAL-LB	IN
BLOCKING AGENT TYPE	GAL-LB	
PERFPAC BALLS TYPE	QTY.	
OTHER		
OTHER		

DEPARTMENT Comb
 DESCRIPTION OF JOB Comb 8" Surface L

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN

CUSTOMER REPRESENTATIVE [Signature]

HALLIBURTON OPERATOR [Signature] COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT/SK.	MIXED LBS/GAL.
	<u>110</u>	<u>LD 100-2</u>		<u>B</u>	<u>7% C. 1.3% CC</u>	<u>1.21</u>	<u>140</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING	DISPLACEMENT	PRESLUSH: BBL-GAL	TYPE
BREAKDOWN	MAXIMUM	LOAD & BKDN: BBL-GAL	PAD: BBL-GAL
AVERAGE	FRACTURE GRADIENT	TREATMENT: BBL-GAL	DISPL: BBL-GAL <u>127</u>
SHUT-IN: INSTANT	5-MIN. HYDRAULIC HORSEPOWER	CEMENT SLURRY: BBL-GAL <u>31.7</u>	TOTAL VOLUME: BBL-GAL
ORDERED	AVAILABLE AVERAGE RATES IN BPM	REMARKS	
TREATING	DISPL. CEMENT LEFT IN PIPE	<u>See Job Log</u>	
FEET	REASON <u>Request</u>	<u>[Signature]</u>	

RECEIVED
 STATE COMMISSION

OCT 11 1991

CONSERVATION Division
 Wichita, Kansas

CUSTOMER Deeb
 LEASE/AGREEMENT Lease
 WELL NO. _____
 JOB TYPE Cement
 DATE 9-1-91

20



HALLIBURTON SERVICES
Duncan, Oklahoma 73838

A Division of Halliburton Company

TICKET

NO. 168451-8

FORM 1906 R-11

43406-20

WELL NO. - FARM OR LEASE NAME #3 L. LOCKER		COUNTY TREGO	STATE KS	CITY / OFFSHORE LOCATION	DATE 7-13-91
CHARGE TO DECAB CU.		OWNER SAME		TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>	NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS P.O. Box 609		CONTRACTOR LWIN KS ORLG		LOCATION 1 HAYS, KS	CODE 25525
CITY, STATE, ZIP Hays, KS 67601		SHIPPED VIA HALCO	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT		LOCATION 2
WELL TYPE 01	WELL CATEGORY 01	WELL PERMIT NO.	DELIVERED TO S/W ELWIS, KS		LOCATION 3
TYPE AND PURPOSE OF JOB 035		B-904244	ORDER NO.	REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
					QTY	MEAS	QTY	MEAS			
000-117		1		MILEAGE TRK # 3472	27	m			2.60	70	20
001-016		1		PUMP SERVICE	4099	FT	5 1/2	in		1300	00
12A	REG. 205	1		REG GUIDE SIDE	1	EA	"	"		105	00
24A	815-19251	1		INSERT FLAT VALVE	1	EA				83	00
27	815-19311	1		FILL-UP UNIT	1	EA				30	00
320	8W-8883	1		CEMENT BASINET	1	EA				90	00
C											

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-

904244

1175 69

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X G. L. Burroughs
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X G. L. Burroughs
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

Melvin R. Childers
HALLIBURTON OPERATOR

RECEIVED

STATE CORPORATION COMMISSION

2853 89

HALLIBURTON APPROVAL

FIELD OFFICE

OCT 11 1991

GENERAL DIVISION
Wichita, Kansas

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

WORK ORDER CONTRACT AND PRE-TREATMENT DATA

FORM 1908 R-7

A Division of Halliburton Company

ATTACH TO INVOICE & TICKET NO. 168451

DISTRICT 1405

DATE 7-12-91

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: DECAR CU. (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 3 LEASE L. LOCKER SEC 32 TWP. 12 RANGE 21

FIELD _____ COUNTY TREGO STATE KS OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
CASING		<u>U</u>	<u>14</u>	<u>5 1/2</u>	<u>KB</u>	<u>4099</u>	
LINER							
TUBING							
OPEN HOLE							
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

CEMENT LONG STRING w/ 150 SKS 60/40 P02 2% GEL 2% CC 10% SACT

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - That because of the uncertainty of variable well conditions and the necessity of relying on facts and supplying services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for mining operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT
 SIGNED [Signature] CUSTOMER
 DATE 7-13-91 STATE REGISTRATION COMMISSION
 TIME 12:15 (A.M.) P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

FIELD OFFICE OCT 11 1991

CONSERVATION DIVISION Wichita Falls

WELL DATA

FIELD _____ SEC. 32 TWP. 12 RNO. 21 COUNTY J. REGG. STATE KS

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>U</u>		<u>5 1/2</u>	<u>KB</u>	<u>4099</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>INSERT 5 1/2</u>	<u>1EA</u>	<u>HALCO</u>
FLOAT SHOE		
GUIDE SHOE <u>REG 5 1/2</u>	<u>1EA</u>	<u>HALCO</u>
CENTRALIZERS	<u>6EA</u>	<u>CUMD</u>
BOTTOM PLUG		
TOP PLUG <u>SW 5 1/2</u>	<u>1EA</u>	<u>HALCO</u>
HEAD		
PACKER		
OTHER <u>CMT BSKT 5 1/2</u>	<u>1EA</u>	<u>HALCO</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____ SIZE _____ LB

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN

NE AGENT TYPE _____ GAL _____ IN

FLUID LOSS ADD. TYPE _____ GAL-LB _____ IN

GELLING AGENT TYPE _____ GAL-LB _____ IN

FRIC. RED. AGENT TYPE _____ GAL-LB _____ IN

BREAKER TYPE _____ GAL-LB _____ IN

BLOCKING AGENT TYPE _____ GAL-LB _____

PERFFAC BALLS TYPE _____ QTY. _____

OTHER _____

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-12-91</u>	DATE <u>7-12-91</u>	DATE <u>7-13-91</u>	DATE <u>7-13-91</u>
TIME <u>1930</u>	TIME <u>2200</u>	TIME <u>0430</u>	TIME <u>0445</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>MEL CHILDERS</u>	<u>PT.</u>	
<u>ALAN SABEL</u>	<u>3472</u>	<u>HAYS, KS</u>
<u>JOHN ROBINSON</u>	<u>B.T.</u>	<u>51252</u>
		<u>HAYS, KS</u>

DEPARTMENT CEMENT

DESCRIPTION OF JOB CEMENT PRODUCTION STRING

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE Mel Childers

HALLIBURTON OPERATOR Mel Childers COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./BK.	MIXED LBS./GAL.
	<u>150</u>	<u>60440</u>	<u>R02</u>	<u>B</u>	<u>2% GEL 2% SCS 10% SALT</u>	<u>1-3</u>	<u>14.44</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURSH: BBL-GAL _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL-GAL _____ DISPL. (BBL-GAL) 99.77

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY (BBL-GAL) 34.72

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL-GAL _____

ORDERED _____ AVAILABLE _____ USED _____ AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____ CEMENT LEFT IN PIPE _____

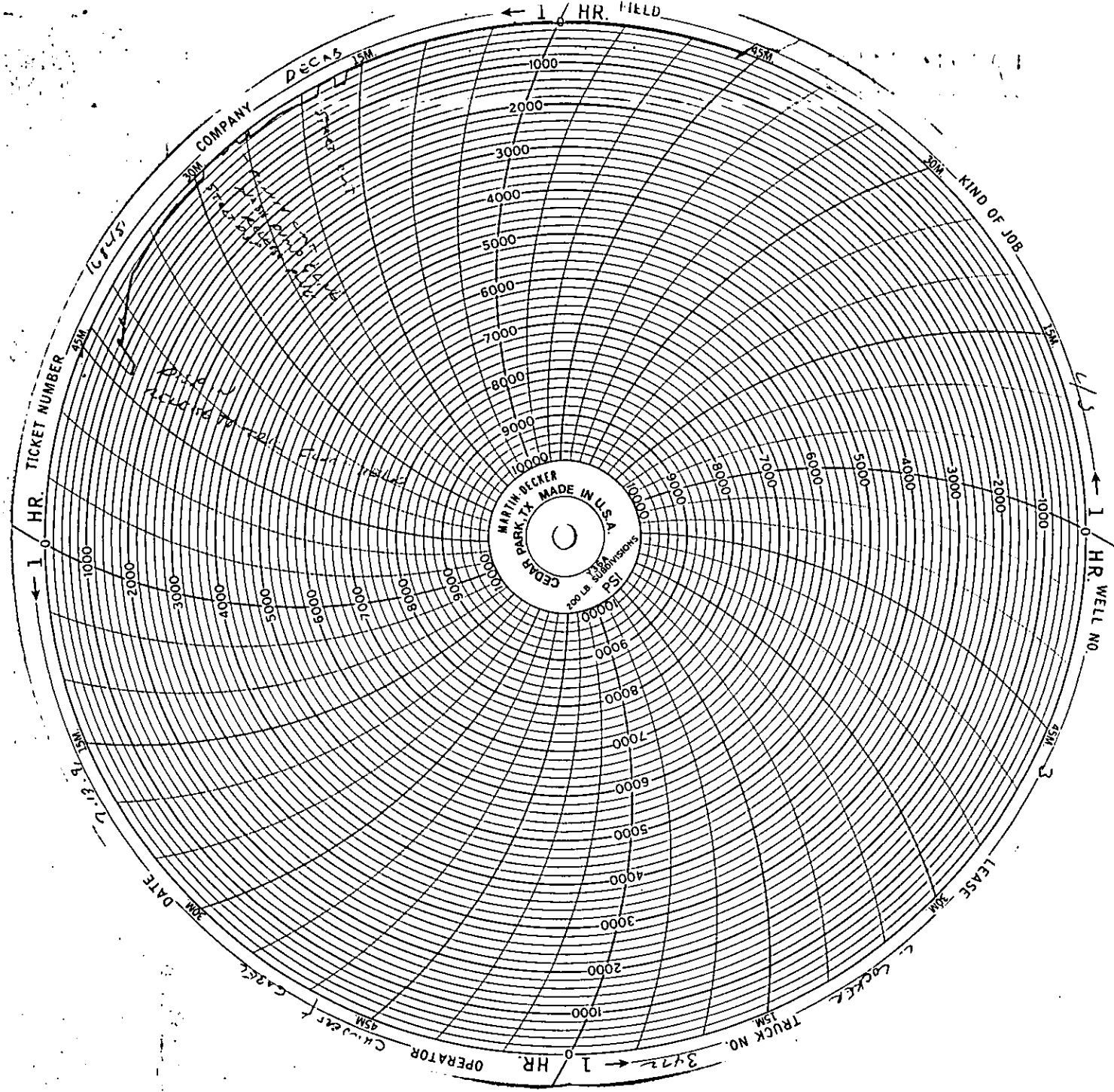
FEET 22 REASON SHOE JOINT

REMARKS

SEE JOB LOG

RECEIVED
 STATE CORPORATION COMMISSION

CUSTOMER DECAR CU.
 LEASE L. WICKER
 WELL NO. 3
 JOB TYPE LONG STRING
 DATE 7-91



RECEIVED
STATE CORPORATION COMMISSION

OCT 11 1991

OFFICE OF THE STATE CORPORATION COMMISSION
DALLAS, TEXAS

HALLIBURTON SERVICES
JOB LOG

WELL NO. 3 LEASE L. LOCKER TICKET NO. 16845
 CUSTOMER DECAB CU. PAGE NO. 1
 JOB TYPE LUNG STRING DATE 9-12-91

FORM 2013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2200							ON LOC. N/ F.E. RIG LAYING DOWN D.P.
	0030							RUN 5 1/2" 2 nd USED CASING TALLER 4111' SET @ 4099 SHUERT 21.84' CEMENT BASKET @ 1650 (77 th ST)
	0305							CSG IN HOOK UP TO RIG PUMP - RIG PUMP BREAKS CIRC
	0320							HOOK UP TO N.T.
							250	MIX & PUMP CMT
		5	34		CMT			150 SILS 60/40 PVR 100% SALT 240CC 240CC
							100	FINISH MIXING CMT WASH PUMP & CINE RELEASE PLUG
	0429	8	100		H ₂ O		200	START DISP
	0445						800	DISP IN
							1200	RELEASE PRESSURE TO TRK DRIES UP FLUAT HELD
								JOB COMPLETE
								HAD FULL RETURNS TO SURFACE THROUGHOUT JOB
								<i>Thank you</i>
								MEL CHILDERS 87383
								ALAN GABEL 82680
								JOHN RUBINSON 84424

OCT 11 1991