

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

ORIGINAL

API NO. 15- 155-211,82 <sup>21,160</sup> <sub>9990</sub>  
County Reno  
C NE NE Sec. 14 Twp. 25S Rge. 9 X <sup>E</sup> <sub>W</sub>

Operator: License # 5142

Name: Sterling Drilling Company

Address 6th and Cleveland

PO BOX 129

City/State/Zip Sterling, Kansas 67579

Purchaser: Texaco Trading

Operator Contact Person: Richard L. Mead

Phone (316) 278-2131

Contractor: Name: Sterling Drilling Company

License: 5142

Wellsite Geologist: Steve E. McClain

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

Comingled \_\_\_\_\_ Docket No. \_\_\_\_\_

Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

Other (SWD or Inj) \_\_\_\_\_ Docket No. \_\_\_\_\_

5-22-91 5-28-91 2-12-92

Spud Date Date Reached TD Completion Date

660 Feet from S(N) (circle one) Line of Section

660 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 Henson Well # 1-14

Field Name Langdon East

Producing Formation Mississippian

Elevation: Ground 1666 KB 1675

Total Depth 4000 PBTB 3874

Amount of Surface Pipe Set and Cemented at 239 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 cnt.

Drilling Fluid Management Plan AITI  
(Date must be collected from the Reserve Pit)

Chloride content 15,000 ppm Fluid volume 1378 bbls

Dewatering method used haul/evaporate

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name C & C Tank Service, Inc.

Lease Name \_\_\_\_\_ License No. 30708

SW/4 Quarter Sec. 1992 Twp. 23 S Rng. 9 E/W

County Reno Docket No. 22208

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 Richard L. Mead

Title President Date 6-19-92

Subscribed and sworn to before me this 19 day of June, 19 92.

Notary Public F.A. Wuellner

F.A. Wuellner

Date Commission Expires \_\_\_\_\_

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
<input type="checkbox"/>		<input type="checkbox"/> NGPA
<input type="checkbox"/>		<input type="checkbox"/> Other
(Specify)		



Operator Name Sterling Drilling Company Lease Name Henson Well # 1-14

Sec. 14 Twp. 25S Rge. 9  East  West  
 County Reno

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:  
 Comp. Density Dual Spaced Neutron II Log,  
 Dual Induction Lateral Log, Microlog,  
 Coral Log

Log Formation (Top), Depth and Datum		Sample
Name	Top	Datum
Heebner	3135	-1460
Brown LS	3310	-1635
Lansing	3333	-1658
BKC	3700	-2025
Mississippian Chert	3839	-2164
Mississippian LS	3911	-2236
Kinderhook SL	3923	-2248
LTD	4000	-2325

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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 (New)	12 1/4	8-5/8"	20#	239'	60/40 Pozmix	175	2% Gel/3%CC
Production(Used)	7-7/8	5 1/2"	14#	3994'	Lite	100	3/4% Halad-322
					50/50 Pozmix	125	

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 checked="" type="checkbox"/> Plug Off Zone	3874-3966	MOC/ONE	8	Diesel squeeze to limit water entry.

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	
	2	Each foot Perforated		1000 Gal DSFE Acid, 50 BBL. Clay fix water
4	"	"	500 gal. 15% DSFE Acid	3860-64'
4	"	"		3840-44'
4	"	"		3844-48'

TUBING RECORD		Size	Set At	Packer At	Liner Run		
		2-7/8	3868	None		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj.		Producing Method					
2-15-92		<input type="checkbox"/> Flowing <input checked="" 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
	16		20		200		34.5

Disposition of Gas:  Vented  Sold  Used on Lease  
 (If vented, submit ACO-18.)

METHOD OF COMPLETION  Open  Dualy Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval 3840'-3874'

ORIGINAL

P.O. BOX 951046  
DALLAS, TX 75395-1046

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

ORIGINAL

INVOICE NO.	DATE
097650	05/22/1991

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
HENSON 1-14		RENO		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE		TICKET DATE	
PRATT	CO. TOOLS	CEMENT SURFACE CASING		05/22/1991	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
847190	TOM MYERS			COMPANY TRUCK	15853

STERLING DRLG CO  
BOX 129  
STERLING, KS 67579

DIRECT CORRESPONDENCE TO:  
FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE	33	MI	2.60	85.80
		1	UNT		
001-016	CEMENTING CASING	242	FT	475.00	475.00
		1	UNT		
030-503	CMTG PLUG LA-11,CP-1,CP-3, TOP	8.625	IN	90.00	90.00
		1	EA		
504-308	STANDARD CEMENT	105	SK	5.35	561.75
506-105	POZMIX A	70	SK	2.79	195.30
506-121	HALLIBURTON-GEL 2%	3	SK	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	26.25	105.00
500-207	BULK SERVICE CHARGE	183	CFT	1.15	210.45
500-306	MILEAGE CMTG MAT DEL OR RETURN	258.57	TMI	.80	206.86
INVOICE SUBTOTAL					1,930.16
DISCOUNT-(BID)					289.50-
INVOICE BID AMOUNT					1,640.66
*-KANSAS STATE SALES TAX					46.21
*-PRATT COUNTY SALES TAX					10.87
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$1,697.74

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STATE CORPORATION COMMISSION  
JUN 22 1992  
CONSERVATION DIVISION  
Wichita, Kansas

*aw*

*RK*

*Phy*

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMERS DEFAULT IN PAYMENT OF CUSTOMERS 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.

STERLING DRILLING COMPANY ORIGINAL

BOX 129

STERLING, KANSAS 67579

8. Drill Stem Tests:  X  Yes   No

DST #  1  Formation  Lansing  Test Interval  3600'  to  3630'  ft. Times: OP  15  SI  30  OP  15  SI  15

Recovery:  60 VSGC M

Pressure: ISIP  1431  IFP  40-29  IHP  1799  BHT  114°F

FSIP  1293  FFP  47-38  FHP  1764

DST #  2  Formation  U.Miss.  Test Interval  3842  to  3860  ft. Times: OP  30  SI  30  OP  45  SI  60

Recovery  240' slightly muddy water, 180' VSL, muddy water, 180' water, 600 Fluid total, Gas to surface in 2 min., Gauged 511-648-MCF 1st open 704-587, 2nd open

Pressure: ISIP  1148  IFP  291-281  IHP  1954  BHT  121°F

FSIP  1112  FFP  294-301  FHP  1877

DST #  3  Formation  L, Miss  Test Interval  3864  to  4000  ft. Times: OP  15  SI  30  OP  30  SI  45

Recovery  70' O & GC Mud, 60' SL. MW, 180' VSMCW, 310' Total Fluid, No GTS

Pressure: ISIP  1232  IFP  69-82  IHP  200T  BHT  120° F

FSIP  1222  FFP  128-172  FHP  1905

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ORIGINAL

# GEOLOGICAL REPORT

Wayne Lebsack Petroleum Geologist 603 S. Douglas Lyons, Kansas 67554	Steve E. McClain Geologist P.O. Box 8731 Pratt, Kansas 67124
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Sterling Drilling Company
Henson 1-14 C Ne Ne Sec. 14 25s-9w Reno County, Kansas

Contractor ..... Sterling Drilling Company, Rig 2

Date Commenced ..... May 22, 1991, Spud at 2:00 pm

Date Rotary Completed ..... May 28, 1991 at 8:50 am

Total Depth ..... RTD = 4000, LTD = 4000'

Casing Record ..... Surface - 8 5/8" set at 239' KB  
..... Cemented with 175 sx.  
..... Production - 5½" set at 3994'  
..... Cemented with 225 sx.

Elevations ..... Ground Level = 1666'  
..... Kelly Bushing = 1675'  
..... All Measurements taken from KB

Drilling Time Logged ..... 2200' to 4000' (RTD)

Samples Logged ..... 2350' to 4000' (RTD)

Open Hole Logs ..... HLS: Dual Induction Laterlog,  
..... Comp. Density Dual Spaced Neutron  
..... II Log, Micro Log, CORAL

Cased Hole Log ..... HLS: Bond log

Gas Detector ..... 1900' to 4000' (RTD), Hot Wire  
..... and Chromatograph.  
..... Blue Jay Logging, Pratt

Mud Company ..... MUD-CO. (Chemical Mud)

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CONSERVATION DIVISION  
Wichita, Kansas

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**GEOLOGICAL FORMATION TOPS**

FORMATION TOP	ELECTRIC LOG DEPTH	DRILLING TIME DEPTH	SUB-SEA DEPTH (E-LOG)
Wabaunsee Top	2303	2300	-628
Langdon Sand	2420	2413	-745
Tarkio Limestone	2501	2499	-826
Severy Shale	Not Logged	2741	-1066 spl
Topeka Top	Not Logged	2794	-1119 spl
Heebner Shale	3135	3136	-1460
Brown Limestone	3310	3309	-1635
Lansing	3333	3326	-1658
Lansing 'K' Top	3616	3614	-1941
BKC	3700	3699	-2025
Mississippian Chert	3839 (71')	3839	-2164
Mississippian Ls Top	3911 (12')	3909	-2236
Kinderhook Shale	3923	3926	-2248
Total Depth in Kind.	4000	4000	-2325

ORIGINAL

INTERVALS CONTAINING HYDROCARBONS

Lansing 'K'	3616' to 3621'	5' thick	Oil
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Samples from this limestone were cream/tan, medium crystalline, with fair intercrystalline porosity. The samples were also calcitic with some being very slightly oolitic. A fair show of oil with a fair odor was noted. A 28 unit gas kick was noted above the normal background of 20 units. This zone was tested by DST #1.

Log analysis calculates the following averages:

Porosity ..... = .14  
Deep Induction (ohms) .. = 8 ohm-m  
Water Saturation ..... = .60

Lansing 'L'	3674' to 3677'	3' thick	Oil
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Samples from this limestone were tan, recrystallized oolitic and calcitic with some fossilitic, some pieces were medium crystalline. Fair to poor intercrystalline porosity was observed. Fair odor. A fair show of oil was noted when the wet samples were broken (tight). A 68 unit HW gas kick (above 20 units of background) and a 12 unit Chromatograph kick was recorded.

Log analysis calculates the following averages:

Porosity ..... = .08  
Deep Induction (ohms) .. = 20 ohm-m  
Water Saturation ..... = .80

ORIGINAL

INTERVALS CONTAINING HYDROCARBONS

Mississippian Chert (Upper Section)	3839' to 3860'	21' thick	Gas/ Oil/ H2O
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Samples from this chert were white with about 65% of the samples being weathered and 35% being fresh without stain. Some (less than 10%) of the granular samples contained a good show of oil and some bleeding gas. No odor was logged. A 100 unit HW gas kick was observed and a 25 unit CH kick was noted. The chert in this section contained good porosity and the weathered samples were of reservoir grade. This zone was tested by DST #2.

Log analysis calculates the following averages:

Porosity ..... = .35  
Deep Induction (ohms) .. = .2 to 1.5 ohm-m  
Water Saturation ..... = 1.00 to .70

Mississippian Chert (Lower Section)	3860' to 3910'	50' thick	Oil/ H2O
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Samples from this chert were bone white with some light yellow chert from 3860 to 3870 being 50% weathered and containing a slight show of oil. The chert from 3870 to 3910 was almost all fresh without any staining, odor or free oil. Some translucent smokey chert was observed in the lower part of this section. The gas detector was pegged from DST #2 and was of no value throughout this section. This interval was tested by DST #3.

Log analysis calculates the following averages:

Porosity ..... = .23  
Deep Induction (ohms) .. = 1 to 2 ohm-m  
Water Saturation ..... = .60 to .80



ORIGINAL

DRILL STEM TEST RESULTS

DST No. 1			
Interval: 3600' to 3630' (30' of anchor)			
Intervals tested: Lansing 'K'			
Period	Time	Pressure	Description
IHSP		1805	
IFP	15	50-43	Weak $\frac{1}{2}$ " blow.
ISIP	30	1439	Still building.
FFP	15	50-43	Very weak blow.
FSIP	30	1317	Still building.
FHSP		1790	BHT = 114 deg. F.
Recovery:	60' of Very slightly gas cut mud with a rainbow show of oil.		

DRILL STEM TEST RESULTS

ORIGINAL

DST No. 2	(All Office readings)
Interval:	3842' to 3860' (18' of anchor)
Intervals tested:	Upper Mississippian

Period	Time	Pressure	Description
IHSP		1954	
IFP	30	291-281	Gas to surface in 2 minutes.
ISIP	30	1148	Still building. p* = 1259 psi
FFP	45	294-301	Gas to surface. (See Gauges) Take gas sample: BTU=1067 Sat. (Gas Analysis attached)
FSIP	60	1112	Still building. p* = 1265 psi
FHSP		1877	BHT = 121 deg. F.

Recovery:	120' of Slightly muddy water. 5% Mud.
	120' of Slightly muddy water. 1% Mud.
	180' Very slightly muddy water. ½% Mud.
	180' Water (Chlorides 93,000 by MUD-CO).
	-----
	600' Total fluid

Time	Minutes	In. H2O	In. Hg	Orifice	Rate MCFD
6:15	0				Tool Open
6:17	2				Gas to Surface
6:20	5	54		1½	511
6:30	15		6	1½	648
6:40	25		6	1½	648
6:45	30				Tool Closed
7:15	0		7	1½	Tool Opened
7:20	5		8	1½	704
7:25	10		6	1½	756
7:35	20		5½	1½	648
7:45	30		5	1½	619
7:55	40		5	1½	589
8:00	45		5	1½	589 Tool Closed

ORIGINAL

**DRILL STEM TEST RESULTS**

<b>DST No. 3</b> (All Office Readings)			
Interval: 3864' to 4000' (136' of anchor) (Tested after logging, conventional test)			
Intervals tested: Lower Mississippian (Remaining part of section)			
Period	Time	Pressure	Description
IHSP		2004	
IFP	15	69-82	Off bottom of bucket in 12".
ISIP	30	1232	Still building. p* = 1348 psi
FFP	30	128-172	Off bottom of bucket in 17".
FSIP	45	1222	Still building. p* = 1351 psi
FHSP		1905	BHT = 120 deg. F.
<b>Recovery:</b>	70' 32% Water, 46% Mud, 10% Oil, 12% Gas 60' 71% Water, 28% Mud, 1% Oil, 0% Gas 60' 95% Water, 5% Mud, Tr% Oil, 0% Gas 120' 95% Water, 5% Mud, Tr% Oil, 0% Gas ----- 310' Total Fluid (No gas in the pipe!)		

ORIGINAL

HENSON 1-14

LOG STRUCTURAL COMPARISON

FORMATION TOPS	<b>Henson 1-14</b> <b>Sterling Drilling</b> <b>C Ne Ne</b> <b>14 25s-9w</b> <b>Reno County</b> <b>(Mississippi Test)</b>	<b>Hayes #1</b> <b>T. K. Hendrick</b> <b>C Nw Nw</b> <b>13 25s-9w</b> <b>Reno County</b> <b>(Dry and Abandoned)</b>
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Wabaunsee Top	-628	-623
Langdon Sand	-745	-735
Tarkio Limestone	-826	-824
Severy Shale	-1066 spl	-1064
Topeka Top	-1119 spl	-1117
Heebner Shale	-1460	-1464
Brown Limestone	-1635	-1637
Lansing	-1658	-1655
Lansing 'K' Top	-1941	-1945
BKC	-2025	-2027
Mississippian Chrt	-2164	-2175
Mississippian Ls	-2236	-2239
Kinderhook Shale	-2248	-2255
Total Depth	-2325 Kinderhook	-2653 Arbuckle

ORIGINAL

HENSON 1-14

**SUMMARY**

Production casing (5½") was cemented to test the Henson 1-14 Mississippian section for commercial quantities of gas and oil.

**Upper Mississippian**

DST #2 (Upper Mississippian) tested gas to surface in commercial quantities along with excellent bottom hole pressures ( $p^* = 1265$  psi). Some water (600') was also tested, but is believed to have come from a lower break below the gas zone. Samples from this formation contained some bleeding oil and gas and were very porous. Porosities greater than 34% are present! This zone will be perforated and tested if the lower Mississippian oil/gas zone test is non-commercial.

**Lower Mississippian**

DST #3 (Lower Mississippian) tested 100' of oil cut mud (10% oil) and 200' of water. Samples in this lower section did not contain the weathered shows like the upper section did, but the DST indicated a potential oil zone. Bottom hole pressures were slightly higher in this section ( $p^* = 1351$  psi). This zone will be perforated from 3866' to 3882' to test for commercial quantities of oil and gas.

The Mississippian section seems to be separated into two possible reservoirs:

- 1) The upper Miss. (3839' to 3861') has a slightly lower bottom hole pressure and the chlorides from the water recovered in DST #2 were 93,000 ppm.
- 2) The lower Miss. (3862' to 3882') has a slightly higher extrapolated bottom hole pressure (1351 psi) than the upper Miss.. The chlorides from this interval (DST #3) were 36,000 ppm.

The Langdon Sandstone was not developed in this well and was not of reservoir grade. It should be evaluated in all wells drilled to east of this location.

Submitted by,

  
Wayne Lebsack

  
Steve E. McClain

ORIGINAL

INVOICE

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.

DATE

097734

05/29/1991

WELL LEASE NO./PLANT NAME

WELL/PLANT LOCATION

STATE

WELL/PLANT OWNER

ENSON 1-14

RENO

KS

SAME

SERVICE LOCATION

CONTRACTOR

JOB PURPOSE

TICKET DATE

RATT

CO. TOOLS

CEMENT PRODUCTION CASING

05/29/1991

ACCT. NO.

CUSTOMER AGENT

VENDOR NO.

CUSTOMER P.O. NUMBER

SHIPPED VIA

FILE NO.

47190 RON KELSO

COMPANY TRUCK

16109

DIRECT CORRESPONDENCE TO:

STERLING DRLG CO  
BOX 129  
STERLING, KS 67579

FIRST OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2050  
OKLAHOMA CITY, OK 73102-5601

PRICE REF NO	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	RICING AREA - MID CONTINENT MILEAGE	33	MI	2.60	85.80
001-016	CEMENTING CASING	3996	FT	1,240.00	1,240.00
030-016	CEMENTING PLUG SW ALUM TOP	5.5	IN	50.00	50.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	105.00	105.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00
815.1925					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00
815.19315					
40	CENTRALIZER 5-1/2" MODEL S-4	3	EA	44.00	132.00
807.93022					
018-317	SUPER FLUSH	12	SK	87.00	1,044.00
509-968	SALT	400	LB	.10	40.00
504-316	HALLIBURTON LIGHT W/STANDARD	100	SK	5.64	564.00
504-308	STANDARD CEMENT	63	SK	5.35	337.05
506-105	POZMIX A	62	SK	2.79	172.98
506-121	HALLIBURTON-GEL 2%	2	SK	.00	N/C
509-968	SALT	1100	LB	.10	110.00
508-292	GILSONITE, SACKED	650	LB	.47	305.50
507-775	HALAD-322	79	LB	6.15	485.85
507-210	FLOCELE	16	LB	1.30	20.80
508-085	TUF CEMENT FIBERS NO 1 (NYLON)	12	LB	1.95	31.20
500-207	BULK SERVICE CHARGE	255	CFT	1.15	293.25
500-306	MILEAGE CMTG MAT DEL OR RETURN	359.55	TMI	.80	287.64

INVOICE SUBTOTAL

5,418.07

*[Handwritten Signature]*

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STATE CORPORATION COMMISSION  
JUN 22 1991  
CONSERVATION DIVISION  
Wichita, Kansas

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

TERMS 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