

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED  
AUG 14 2002

CONFIDENTIAL

ORIGINAL

Operator: License # 5214  
Name: Lario Oil & Gas Company  
Address: 301 S. Market Street  
City/State/Zip: Wichita, KS 67207  
Purchaser: Plains Marketing  
Operator Contact Person: Jay G. Schweikert  
Phone: (316) 265-5611  
Contractor: Name: Duke Drilling Company  
License: 5292  
Wellsite Geologist: John Hastings

API No. 15 - 095-21812  
County: Kingman  
ne nw ne Sec. 10 Twp. 28 S. R. 5  East  West  
330 feet from S (N) (circle one) Line of Section  
1650 feet from (E) W (circle one) Line of Section

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

Footages Calculated from Nearest Outside Section Corner:  
(circle one) (NE) SE NW SW  
Lease Name: Fearey Well #: 1  
Field Name: \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Docket No. \_\_\_\_\_  
 Dual Completion Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) Docket No. \_\_\_\_\_  
05-31-02 06-08-02 07-03-02  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

Producing Formation: Mississippian  
Elevation: Ground: 1422 Kelly Bushing: 1433  
Total Depth: 3923 Plug Back Total Depth: 3859  
Amount of Surface Pipe Set and Cemented at 318 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 *ACE 1 W*  
(Data must be collected from the Reserve Pit)  
Chloride content 31000 ppm Fluid volume none bbls  
Dewatering method used evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 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 of 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: Jay G. Schweikert  
Title: Operations Engineer Date: August 13, 2002

Subscribed and sworn to before me this 13th day of August

2002  
Notary Public: KATHY L. FORD  
My Appt. Expires 10-22-02  
Date Commission Expires: 10-22-02

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Lario Oil & Gas Company Lease Name: Fearey Well #: 1  
 Sec. 10 Twp. 28 S. R. 5  East  West County: Kingman

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  CDL/CNL/PE DIL/MEL SONIC	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Indian Cave</td> <td>1732</td> <td>-299</td> </tr> <tr> <td>Lansing</td> <td>2981</td> <td>-1548</td> </tr> <tr> <td>KC</td> <td>3184</td> <td>-1751</td> </tr> <tr> <td>Stark</td> <td>3348</td> <td>-1915</td> </tr> <tr> <td>Mississippi Chert</td> <td>3758</td> <td>-2325</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Indian Cave	1732	-299	Lansing	2981	-1548	KC	3184	-1751	Stark	3348	-1915	Mississippi Chert	3758	-2325
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																				
Name	Top	Datum																				
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KC	3184	-1751																				
Stark	3348	-1915																				
Mississippi Chert	3758	-2325																				

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23	318	60/40 Poz	190	1/4#CF+3% CC
Production	7-7/8"	5-1/2"	14	3906	ASC	200	5# Kolseal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	3802 - 3804	Class A	65	5# Salt

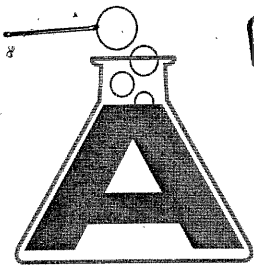
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
3	3772' - 3782'	Acidize w/1500 gal 15% NEFE	

TUBING RECORD		Size 2-3/8"	Set At 3721	Packer At 3724	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. 07-25-02			Producing Method <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. 5	Gas Mcf 230	Water Bbls. 155	Gas-Oil Ratio 46,000	Gravity 32

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Sumit ACC-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



CONFIDENTIAL

KCC

ORIGINAL

AUG 13 2002

RELEASED

CONFIDENTIAL

SALES OFFICE:  
105 S. Broadway  
Suite #420  
Wichita KS 67202  
(316) 262-3699  
(316) 262-5799 FAX

SALES & SERVICE OFFICE:  
10244 NE Hiway 61  
P.O. Box 8613  
Pratt, KS 67124-8613  
(316) 672-1201  
(316) 672-5383 FAX

ACID SERVICES, LLC

ACIDIZING - FRACTURING - CEMENTING

### Invoice

<b>Bill to:</b>	5138010
LARIO OIL & GAS	<p>RECEIVED AUG 14 2002 KCC WICHITA</p>
P.O. Box 784	
Hays, KS 67601	
<b>AFE</b>	
<b>CustomerRep</b>	Mike Godfrey
<b>Treater</b>	T. Seba
<b>Well Type</b>	New Well

Invoice	Invoice Date	Order	Order Date
206003	6/5/02	4928	6/1/02
Service Description			
Cement			
AFE #02-041			
Lense	Well		
Fearey	1		
Terms	Net 30		

ID.	Description	UOM	Quantity	Unit Price	Price
D203	60/40 POZ (COMMON)	SK	190	\$7.75	\$1,472.50
C195	CELLFLAKE	LB	41	\$1.85	\$75.85
C310	CALCIUM CHLORIDE	LBS	486	\$0.75	\$364.50
F143	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
E107	CEMENT SERVICE CHARGE	SK	190	\$1.50	\$285.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	40	\$3.00	\$120.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	324	\$1.25	\$405.00
R200	CASING CEMENT PUMPER, 0-300'	EA	1	\$630.00	\$630.00

**Sub Total:** \$3,687.85  
**Discount:** \$1,216.99  
**Discount Sub Total:** \$2,470.86  
**Tax Rate:** 5.90% **Taxes:** \$0.00  
**(T) Taxable Item** **Total:** \$2,470.86

*Mike Godfrey*  
6-10-02

BCP

*JS*  
 JUN 11 2002  
*KE*

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.

CONFIDENTIAL

KCC

ORIGINAL

TREATMENT REPORT

RELEASED

FROM

CONFIDENTIAL

AUG 13 2002



CONFIDENTIAL

Field Order # 4928	Station PRATT	Casing 8 5/8	Depth 320	County KINGMAN	State KS
Customer ID		Date 6-1-02		Well # 1	
Customer LARO OIL & GAS		Lease No.		Lease FEARLEY	
Type Job Surface		Formation NEW WELL		Legal Description 10-285-5W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Rate	Press	ISIP		
8 5/8				190 SKS			5 Min.	
Depth 320	Depth	From	To	Pro Pad 60/40 Poz	Max		10 Min.	
Volume	Volume	From	To	Pad 2 1/2 G&L 3 1/2 C.C.	Min		15 Min.	
Max Press	Max Press	From	To	Frac 74" CELLFRAKE	Avg			
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative MIKE GOFFREY	Station Manager D. AUBRY	Treater T. SEBA
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
22:00			114	26	RECEIVED
24:00			30	75	AUG 14 2002 KCC WICHITA CALLED OUT ON LOC W/TRK; SAFETY MTG RUN 7 JT'S 23" CSG
6:00					START CSG
6:55					CSG ON BOTTOM
7:00					Hook up TO CSG
7:10					BREAK CIRC W/REG
7:25	0		10	5	START PUMPING
	100				START MEX CMT @ 14.7 #/CAL
	200		43		FINISHED MEX
					SHUT DOWN
					RELEASE PLUG
7:40	0			5	START DISP
7:44	200		19.5		PLUG DOWN
7:45					CLOSE VALVE ON CSG GOOD CIRC THRU JOB CIRC CMT TO PST ✓
JOB COMPLETE THANKS TODD					

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383

ALLIED CEMENTING CO., INC

CONFIDENTIAL

KCC

ORIGINAL

P.O. BOX 31  
RUSSELL, KS 67665  
PH (785) 483-3887  
FAX (785) 483-5566  
FEDERAL TAX ID#

AUG 13 2002

\*\*\*\*\*  
\* INVOICE \*  
\*\*\*\*\*

RELEASED  
FROM  
CONFIDENTIAL

CONFIDENTIAL

Invoice Number: 087397

Invoice Date: 06/14/02

Sold Lario Oil & Gas Company  
To: P. O. Box 784  
Hays, KS  
67601

Cust I.D.: Lario  
P.O. Number: *Fearey #1 (AFE #02-041)*  
P.O. Date: 06/14/02

Due Date: 07/14/02  
Terms: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	15.00	SKS	6.6500	99.75	E
Pozmix	10.00	SKS	3.5500	35.50	E
Gel	1.00	SKS	10.0000	10.00	E
ASC	200.00	SKS	8.5000	1700.00	E
KolSeal	1000.00	LBS	0.5000	500.00	E
Mud Clean	500.00	GAL	0.7500	375.00	E
ClaPro	10.00	GAL	22.9000	229.00	E
Handling	282.00	SKS	1.1000	310.20	E
Mileage (45)	45.00	MILE	11.2800	507.60	E
282 sks @ \$.04 per sk per mi					
Production	1.00	JOB	1130.0000	1130.00	E
Mileage pmp trk	45.00	MILE	3.0000	135.00	E
TRP	1.00	EACH	60.0000	60.00	E
Guide Shoe	1.00	EACH	150.0000	150.00	E
AFU Insert	1.00	EACH	235.0000	235.00	E
Centralizers	6.00	EACH	50.0000	300.00	E
Thread Lock	1.00	EACH	30.0000	30.00	E

All Prices Are Net, Payable 30 Days Following  
Date of Invoice. 1 1/2% Charged Thereafter.  
If Account CURRENT take Discount of \$1161.41  
ONLY if paid within 30 days from Invoice Date

Subtotal: 5807.05  
Tax: 0.00  
Payments: 0.00  
Total: 5807.05

			OK to Pay		
Acct.	Exp.	File			
JUN 21 2002					
HY	JS	KF	GV	SF	DM
PV					
OD					

*Brad Sander*  
6/19/02

CONFIDENTIAL

ALLIED CEMENTING CO., INC.

ORIGINAL

10068

KCC

Federal Tax I.D.#

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

SERVICE POINT: Med. Lodge, Ks

AUG 13 2002

DATE 6-9-02	SEC 10	TWP 28s	RANGE 5w	CALLED OUT 2 AM	ON LOCATION 4 AM	JOB START 11:30 AM	JOB FINISH 11:45 AM
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CONFIDENTIAL

LEASE Fearey	WELL # 1	LOCATION Kingman, Ks East to mm 175	COUNTY Kingman	STATE KS
OLD OR NEW (Circle one)		East to Mt. Vernon Turn off, 2s, 1/4 w, 3/4 side		

RELEASED

FROM

CONFIDENTIAL

CONTRACTOR Duke #1	OWNER Laird oil & Gas
TYPE OF JOB Production	
HOLE SIZE 7 7/8	T.D. 3923'
CASING SIZE 5 1/2"	DEPTH 3906'
TUBING SIZE	DEPTH
DRILL PIPE 4 1/2"	DEPTH 3923'
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT 41.2
CEMENT LEFT IN CSG. 41.2	
PERFS.	
DISPLACEMENT 9 1/2 2 1/2 Kcs	

CEMENT	
AMOUNT ORDERED 200sy Class A- ASC +	
5# Kol-Seal > 25.5x 60:40:4 Rat & mouse holes	

PUMP TRUCK #265	CEMENTER Mike Rucker
	HELPER Steve Davis
BULK TRUCK #359	DRIVER Dave Felio
BULK TRUCK #	DRIVER

COMMON 15	@ 6.65	99.75
POZMIX 10	@ 3.55	35.50
GEL 1	@ 10.00	10.00
CHLORIDE	@	
ASC 200	@ 8.50	1700.00
KOL-SEAL 1000#	@ .50	500.00
MUD CLEAN 500 GAL	@ .75	375.00
CLAPRO 10 GAL	@ 22.90	229.00
	@	
HANDLING 282	@ 1.10	310.20
MILEAGE 282 x 45	.04	507.60

RECEIVED

TOTAL 3767.05

AUG 14 2002

REMARKS:

Pipe on bottom break circ. Pump sock  
 gal mid-clean Plug mouse hole Plug  
 Rathole Start Prod. Cement Class A  
 ASC + 5# Kol-Seal 300 Pump Wash Pump  
 + Lines Start Disposal 9 1/2 Hl Pump  
 plug Release Psi 1/4 that held 1 1/2 Hl  
 back.

SERVICE

DEPTH OF JOB 3906'	
PUMP TRUCK CHARGE	1130.00
EXTRA FOOTAGE	@
MILEAGE 45	@ 3.00 135.00
PLUG T.R.P. 3 1/2"	@ 60.00 60.00
	@
	@

TOTAL 1325.00

CHARGE TO: Laird oil & Gas  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

FLOAT EQUIPMENT

5 1/2 Pemco	
1-Reg Guide Shoe	@ 150.00 150.00
1-AFD insert	@ 235.00 235.00
6-Centralizers	@ 50.00 300.00
1-Thread lock	@ 30.00 30.00
	@

TOTAL 715.00

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	\$ 5807.05
DISCOUNT	1761.41
	4645.64

IF PAID IN 30 DAYS

SIGNATURE

Jay A Schweikert

Jay G. Schweikert

PRINTED NAME

**ALLIED CEMENTING CO., INC.**

P.O. BOX 31  
 RUSSELL, KS 67665  
 PH (785) 483-3887  
 FAX (785) 483-5566  
 FEDERAL TAX ID# [REDACTED]

**CONFIDENTIAL**

**KCC**

**AUG 13 2002**

**CONFIDENTIAL**

Invoice Number: 087492

Invoice Date: 06/27/02

**ORIGINAL**

\*\*\*\*\*  
 \* INVOICE \*  
 \*\*\*\*\*

Sold: Lario Oil & Gas Company  
 To: P. O. Box 784  
 Hays, KS  
 67601

**RELEASED  
 FROM  
 CONFIDENTIAL**

Due Date.: 07/27/02  
 Terms....: Net 30

AFE #02-041  
 Cust I.D.....: Lario  
 P.O. Number...: Fearey #1 (Completion)  
 P.O. Date.....: 06/27/02

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	100.00	SKS	6.6500	665.00	E
Salt	5.00	SKS	7.5000	37.50	E
Handling	105.00	SKS	1.1000	115.50	E
Mileage (45)	45.00	MILE	4.2000	189.00	E
105 sks @\$ .04 per sk per mi					
Squeeze	1.00	JOB	1130.0000	1130.00	E
Mileage pmp trk	45.00	MILE	3.0000	135.00	E
Squeeze manifold	1.00	EACH	75.0000	75.00	E

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2% Charged Thereafter.  
 If Account CURRENT take Discount of \$ 234.20  
 ONLY if paid within 30 days from Invoice Date

Subtotal: 2347.00  
 Tax.....: 0.00  
 Payments: 0.00  
 Total....: 2347.00

*Jim Billogly*  
 7-3-02

				OK to Pay	
Acct.	Inv.	P.			
JUL 8 2002					
CV	JS	NP	GV	CF	DM

# ALLIED CEMENTING CO., INC.

09873

**CONFIDENTIAL**

Federal Tax I.D.#

**KCC**

**ORIGINAL**

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

SERVICE POINT:

*Medicine Lodge*

**AUG 13 2002**

DATE <i>6-24-02</i>	SEC. <i>10</i>	TWP. <i>28s</i>	RANGE <i>5N</i>	CALLED OUT <i>CONFIDENTIAL</i>	ON LOCATION <i>4:00 pm</i>	JOB START <i>5:15 pm</i>	JOB FINISH <i>6:45 pm</i>
LEASE <i>Fearey</i>	WELL # <i>1</i>	LOCATION <i>Norwich 4N, 12, 4N</i>		COUNTY <i>Kingman</i>	STATE <i>KS</i>		
OLD OR <u>NEW</u> (Circle one)				<i>1w, 1N, 1/4 W 5/side</i>		<b>RELEASED</b>	

CONTRACTOR *Pratt well service*

OWNER *Lario Oil* **FROM**

TYPE OF JOB *squeeze*

**CONFIDENTIAL**

HOLE SIZE	T.D.
CASING SIZE <i>5 1/2</i>	DEPTH
TUBING SIZE <i>2 3/8</i>	DEPTH <i>3694'</i>
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <i>2000'</i>	MINIMUM <i>-</i>
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <i>65 sx in squeeze</i>	
PERFS. <i>3802-04</i>	
DISPLACEMENT <i>10 bbls fresh</i>	

CEMENT	AMOUNT ORDERED	
	<i>100 sx Class A + 5% salt</i>	
COMMON <i>100 sx</i>	@ <i>6.65</i>	<i>665.00</i>
POZMIX	@	
GEL	@	
CHLORIDE	@	
<i>5 sx salt</i>	@ <i>7.50</i>	<i>37.50</i>
	@	
	@	
	@	
	@	
HANDLING <i>105</i>	@ <i>1.10</i>	<i>115.50</i>
MILEAGE <i>105 x 45¢</i>		<i>47.25</i>

**EQUIPMENT**

PUMP TRUCK	CEMENTER <i>Carl Balding</i>
# <i>368-281</i>	HELPER <i>Steve Davy</i>
BULK TRUCK	
# <i>364</i>	DRIVER <i>Mark Haas</i>
BULK TRUCK	
#	DRIVER

TOTAL *1007.00*

**REMARKS:**

**SERVICE**

*Perfs 3802'-04- Packer 3694'  
Load annulas to 500 psi  
Load tubing w/14 bbls take in; Rate  
2 BPM - 750 psi mix 100 sx class A  
+ 5% salt wash out pump + lines,  
Displace with 10 bbls fresh water,  
squeeze to 2000 psi release pressure  
Reverse out w/20 bbls, pull 5 joint  
pressure casing to 500 psi + shut in*

DEPTH OF JOB <i>3804</i>	
PUMP TRUCK CHARGE	<i>1130.00</i>
EXTRA FOOTAGE	@
MILEAGE <i>45</i>	@ <i>3.00</i> <i>135.00</i>
PLUG	@
<i>squeeze manifold</i>	@ <i>75.00</i>
	@

(A) Nothing in this contract shall be construed as a warranty by ALLIED of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.  
(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by ALLIED or any interpretation of tests, meter readings, chart information, analysis of research, or recommendations made by ALLIED, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of ALLIED or its employees in the preparation or furnishing of such facts, information or data.  
(C) Work done by ALLIED shall be under the direct supervision and control of the CUSTOMER or his agent and ALLIED will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

2. More specifically:  
by defective materials, products or supplies.





# CONFIDENTIAL CEMENTING LOG

STAGE NO.

## ORIGINAL

Date 6-24-02 District 111-cl-1cdge Ticket No. CC873  
 Company Lar's oil + Gas Rig Platt  
 Lease Fear Well No. \_\_\_\_\_  
 County Kingman State KS  
 Location Natwiche TN, 1E, 1N, 1W, 1N New 95' Field 10-285-50

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 5 1/2 Type \_\_\_\_\_ Weight \_\_\_\_\_ Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom \_\_\_\_\_

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 02410 Lin. ft./Bbl. \_\_\_\_\_  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. CC387 Lin. ft./Bbl. 258.6  
 Annulus: Bbls/Lin. ft. 0183 Lin. ft./Bbl. 54.58  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: \_\_\_\_\_  
 Amt: \_\_\_\_\_ Sks Yield KCC ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

### AUG 13 2002

LEAD: Pump Time \_\_\_\_\_ hrs. Type A+5' salt  
 Amt: \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 15.7 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Amt: \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG  
 WATER: Lead 5.2 gals/sk Tail \_\_\_\_\_ gals/sk Total \_\_\_\_\_ Bbls.

Pump Trucks Used 368-281 5 Star Davis  
 Bulk Equip. 364 Mark Haas

## RELEASED FROM

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Fresh Amt. 10 Bbls. Weight \_\_\_\_\_ PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Tom

CEMENTER Paul Balding

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
4:00						on location
						Perfs 3802-04 Packer 3694
5:15	500		.25	.25	1/4	lead annulus to 500 psi
	750		14.25	14	2	lead tubing + take inj rate at 2 RPM 750 psi
5:40	700		35.25	21	2	Mix + pump 100 5X A+5' salt
5:50						cement in wash. out pumps
5:52	700		38.25	3	1	start Displacement
	1100		41.25	3	1	stead pressure increase
	1750				1/2	1/2 bbl out slow rate
	2000		43.75	2 1/2	1/4	3 1/2 Bbls out slow rate
	2000		45.25	1 1/2		stage in 1 1/2 Bbls (no out squeezed)
						Release pressure w/no returns.
	500		45.25	20	2	Release packer + Reverse out with 20 Bbls
7:45	500					Pull 5 joints Pressure casing to 500 psi + shut in

FINAL DISP. PRESS: 2000 PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK 8 BBLs. THANK YOU