

KANSAS CORPORATION COMMISSION  
 OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
 WELL HISTORY - DESCRIPTION OF WELL & LEASE

DEC 03 2002

Form ACO-1  
 September 1999  
 Form Must Be Typed

**ORIGINAL**

Operator: License # 5363  
 Name: BEREXCO, INC.  
 Address: P.O. Box 20380  
 City/State/Zip: Wichita, KS 67208  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: Bruce Meyer  
 Phone: (316) 265-3311  
 Contractor: Name: \_\_\_\_\_  
 License: \_\_\_\_\_  
 Wellsite Geologist: \_\_\_\_\_

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: BEREXCO, INC.

Well Name: Steinle Unit #~~5X~~ 3  
 Original Comp. Date: 6/1982 Original Total Depth: 3483'  
 \_\_\_ 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. \_\_\_\_\_

11-7-2002 November 22, 2002  
 Spud Date or Date Reached TD Completion Date or  
 Recompletion Date Recompletion Date

API No. 15 - 167-21913-00-01  
 County: Russell  
 \_\_\_ -ne -sw -nw Sec. 34 Twp. 11 S. R. 14  East  West  
3630 feet from (S) N (circle one) Line of Section  
4290 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE (SE) NW SW  
 Lease Name: Steinle Unit Well #: 5X  
 Field Name: Steinle  
 Producing Formation: L/KC  
 Elevation: Ground: 1755 Kelly Bushing: 1760  
 Total Depth: 3483 Plug Back Total Depth: 3030  
 Amount of Surface Pipe Set and Cemented at 375 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 848  
 feet depth to Surface w/ 160 <sup>sq cmt.</sup>

**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used \_\_\_\_\_  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

*Alt 2-Dlg - 6/19/09*

**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: Forest Buxton  
 Title: Engineering Technician Date: 25 NOV 2002  
 Subscribed and sworn to before me this 25 day of November  
2002  
 Notary Public: Ladeane M Reese  
 Date Commission Expires: 3-2-2005

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

  
 LADEANE M. REESE  
 State of Kansas  
 My Appt. Exp. March 2, 2005



BEREXCO (KS) Steinle Unit 5X (1304404) Workover Page 1

Date of last WO:

PUR or UZ:

Objective: Convert to a LKC C zone injection well. Will need to squeeze the annulus for protection of fresh water.

BWO:

cc: Bruce, Forrest

Final report cc: Paula W, Adam and Well File

c:\diana\shared\drilling\Steinle unit 5X

- 
- 11-07-02 MIRU BEREXCO INC Rig 8. Pulled rods and tubing.
- 11-11-02 Trip in hole with a cement retainer. Set @ 3030'. Stung out of the retainer unable to circulate to surface. Stung into the retainer and pumped 100 sx of common cement. Pulled out of the hole with tubing. Ran in the hole with tubing and a Model R packer. Set the packer @ 2929' and took an injection rate, 4 BPM @ 500 psi. Pumped 85sx of common cement. Squeezed at 500 psi. Pressured casing from 2929' up to surface to 800 psi, held. Pulled out of the hole with tubing and packer. Perforated casing @ 848' w/2 shots. Ran in the hole with a model AD-1 packer. Set at 840'. Pumped down the tubing and had good circulation up the 8 5/8 inch and 5 1/2 inch annulus. Pulled out of the hole with the tubing. Tied onto the casing and pumped 160 sx of 60/40 POZ. Had good circulation through out the job. Cement did not reach the surface. Pumped plug down to 817'. Closed well in.
- 11-12-02 Ran cement bond log. Tagged @ 816'. Had a good bond and found the top of the cement @ 40' from surface. KCC approved bond said ok to go ahead. Ran in the well with a 4 7/8 inch bit and two drill collars. Tagged cement @ 816'. Drilled cement to 853 fell out. Circulated the hole clean. Pressured to 300psi. Lost 140 psi in 30 minutes. SDFN.
- 11-14-02 Re-tested casing to 300psi. Lost 140 psi in 10 minutes. Unable to get cement trucks. SDFD.
- 11-16-02 Rigged up cementers. Spotted 25 sacks micro mix at 869'. Pulled up to 623. Washed up. Set packer at 592'. Pumped 2 1/2 barrels of cement out at 500 psi. Staged 1 1/2 hours. Still could not pump in at 500 psi. Run tubing down to 869'. Wash out cement. Mixed 25 sacks common, 3%cc. Pulled up to 592. Washed up. Pumped 2 1/2 bbls into hole. Squeezed with 500psi. Held. Shut well in. SDFN.
- 11/18/02 Ran in the well with a 4 7/8 inch bit and two drill collars. Tagged cement @712'. Drilled cement to 898'. Fell out. Circulated hole clean. Pressured casing to 360psi - Held. SDFN.
- 11/19/02 Ran tubing and bit to 2929'. Tagged cement and drilled cement to 3030'. Circulated the hole clean. Pressured casing to 300 psi - held. SDFN.
- 11/20/02 Pulled out of the hole with tubing, bit and drill collars. Perforated the C zone @3003-12' w/2 SPF. Ran

DEC 03 2002  
KCC

BEREXCO (KS) Steinle Unit 5X (1304404) Workover Page 2

Date of last WO:

PUR or UZ:

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BWO:

cc: Bruce, Forrest

Final report cc: Paula W, Adam and Well File

c:\diana\shared\drilling\Steinle unit 5X

in the hole with a model R packer and tubing. Balanced acid across the perforations. Acidized the perforations with 1000 gal 15% NEFE at 2 BPM, 0 psi. ISIP, vacuum. Let set for 1 hour. Swabbed back. Fluid was 2400' from surface. Swab down in 1 hour recovered 3.47 of water. Swabbed 1 hour and recovered 4.34 BTF, 6% oil. SDFN.

11-21-02 ONFU 53' of fluid above the perforations. Pulled out of the hole with the tubing and packer. Ran in the well with a 5 1/2 inch LokSet and 95 joints of 2 3/8 inch sealtite tubing. Set the packer at 2975''. Attempted to pressure the annulus. Could pump into the annulus at 250 psi. (The A zone must not be entirely squeezed off. Will inject into the A and C. )

11-22-02 Released the LokSet and moved above the A zone. Set at 2956'. Worked air out and passed a MIT at 300 psi. Held solid. Rigged down.

DEC 03 2002

KCO WIG

# Perf-Tech Wireline Services, Inc.

# ORIGINAL 2276

P.O. Box 87  
Hays, KS 67601-0087

DEC 03 2002

KCS-113

Job Ticket

DATE Nov 20 02

CHARGE TO Berco J.

ADDRESS \_\_\_\_\_

LEASE AND WELL NO. St. L. Unit 5A FIELD \_\_\_\_\_

NEAREST TOWN \_\_\_\_\_ COUNTY Russell STATE Ks

CUSTOMER'S ORDER NO. \_\_\_\_\_ SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANGE \_\_\_\_\_

ZERO 5 1161 CASING SIZE 5 7/8 WEIGHT \_\_\_\_\_

CUSTOMER'S T.D. \_\_\_\_\_ PERF TECH T.D. \_\_\_\_\_ FLUID LEVEL 326

ENGINEER P. H. Kls OPERATOR Don F.

PERFORATING					
CODE REFERENCE	DESCRIPTION	NO HOLES	DEPTH FROM	TO	AMOUNT
7600	4" Nsgan				
	19	3203	3612		
	19				1153

TRUCK RENTAL			
CODE REFERENCE	RUN NO.	PREVIOUS INVOICE NO.	AMOUNT
7600			600

DEPTH OF OPERATIONS CHARGES					
CODE REFERENCE	FROM	TO	NO FEET	PRICE PER FT.	AMOUNT
					1833

PLUGS, PACKERS AND OTHER					
CODE REFERENCE	MFG. TYPE	CASING SIZE	WEIGHT	DEPTH	AMOUNT

		SUB TOTAL	925
		TAX	
		TOTAL	

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 Perf-Tech 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 Perf-Tech, it is understood by the customer that Perf-Tech cannot guarantee the results of their services and will not be held responsible for personal property damage in the performance of their services.
- Should any of Perf-Tech 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 Perf-Tech 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 zones 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 Perf-Tech is in proper and suitable conditions for the performance of said work.
- No assignment is authorized to alter the terms or conditions of this agreement.

# Perf-Tech

Wireline Services, Inc.

P.O. Box 87  
HAYS, KS 67601-0087  
(785) 623-3969

ORIGINAL Invoice

DATE	INVOICE #
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11/13/2002

2270

BILL TO

BEREXCO, INC.  
P. O. Box 723  
Hays Kansas.67601

SERVICE DATE	DESCRIPTION	ITEM	AMOUNT
11/13/2002	Steinle Unit 5 X Russell County Kansas		
	Cement Bond Log Logged upper stage 817' to surface	LOGGING	645.00T
	Truck Rental Sales Tax	Truck set up	350.00T 52.74

Thank you for your business

**Total** \$1,047.74

# Perf-Tech

Wireline Services, Inc.


P.O. Box 87  
HAYS, KS 67601-0087  
(785) 623-3969

## ORIGINAL Invoice

DATE	INVOICE #
11/12/2002	2266

BILL TO

BEREXCO, INC.  
P. O. Box 723  
Hays Kansas 67601

SERVICE DATE	DESCRIPTION	ITEM	AMOUNT
11/11/2002	Steinle Unit # 5-X Russell County Kansas		
	Perforated 2 holes for squeeze at 848'	PERF	350.00T
	Truck Rental Sales Tax	Truck set-up	350.00T 37.10
			
<b>Total</b>			<b>\$737.10</b>

# Perf-Tech

Wireline Services, Inc.

P.O. Box 87  
 HAYS, KS 67601-0087  
 (785) 623-3969

# ORIGINAL Invoice

DATE	INVOICE #
11/8/2002	2264

BILL TO
BEREXCO, INC. P. O. Box 723 Hays Kansas 67601

SERVICE DATE	DESCRIPTION	ITEM	AMOUNT
11/8/2002	Steinle Unit 5 X Russell County Kansas		
	Set 5 1/2" Alpha cement retainer at 3030	PERF	1,200.00T
	Stinger rental for cement retainer	Misc	100.00T
	Truck Rental	Truck set up	350.00T
	Sales Tax		87.45
		<b>Total</b>	<b>\$1,737.45</b>



**ALLIED CEMENTING CO., INC.**

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

ORIGINAL

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

Invoice Number: 088550

Invoice Date: 11/21/02

Sold Berexco, Inc.  
 To: P. O. Box 723  
 Hays, KS  
 67601

Cust I.D.....: Berex  
 P.O. Number...: Steinle U #5X  
 P.O. Date.....: 11/21/02

Due Date.: 12/21/02  
 Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	25.00	SKS	6.3500	158.75	T
Micro	25.00	SKS	80.0000	2000.00	T
Handling	50.00	SKS	1.1000	55.00	T
Mileage min. chg.	1.00	MILE	100.0000	100.00	T
Chloride	1.00	SKS	30.0000	30.00	T
Pump Truck	1.00	JOB	630.0000	630.00	T
Mileage pmp trk	12.00	MILE	3.0000	36.00	T

All Prices Are Net, Payable 30 Days Following  
 Date of Invoice. 1 1/2% Charged Thereafter.  
 If Account CURRENT take Discount of \$321.45  
 ONLY if paid within 30 days from Invoice Date

Subtotal:	3009.75
Tax.....:	204.67
Payments:	0.00
Total....:	3214.42



**ALLIED CEMENTING CO., INC.**

P.O. BOX 31  
 RUSSELL, KS 67665  
 PH (785) 483-3887  
 FAX (785) 483-5566  
 F--

ORIGINAL

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

Invoice Number: 088549

Invoice Date: 11/21/02

Sold Berexco, Inc.  
 To: P. O. Box 723  
 Hays, KS  
 67601

Cust I.D.....: Berex  
 P.O. Number...: Steinle J #5X  
 P.O. Date.....: 11/21/02

Due Date.: 12/21/02  
 Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	341.00	SKS	6.6500	2267.65	T
Pozmix	104.00	SKS	3.5500	369.20	T
Gel	5.00	SKS	10.0000	50.00	T
Handling	466.00	SKS	1.1000	512.60	T
Mileage (14)	14.00	MILE	18.6400	260.96	T
466 sks @\$.04 per sk per mi.					
Squeeze	1.00	JOB	650.0000	650.00	T
Mileage pmp trk	14.00	MILE	3.0000	42.00	T
Plug	1.00	EACH	60.0000	60.00	T

All Prices Are Net, Payable 30 Days Following  
 Date of Invoice. 1 1/2% Charged Thereafter.  
 If Account CURRENT take Discount of \$449.89  
 ONLY if paid within 30 days from Invoice Date

Subtotal: 4212.41  
 Tax.....: 286.45  
 Payments: 0.00  
 Total....: 4498.86

- 449.89  
4048.97  
 \$ 4048.97

**CASING MECHANICAL INTEGRITY TEST**

Disposal  Enhanced Recovery:

Repressuring   
 Flood   
 Tertiary

Date Injection Started: \_\_\_\_\_  
 API # 15 - 167 - 21913

DOCKET # E-28,079

NE SW - NW Sec 34 Twp 11 S, Rge 14  
 E/W

3630 Feet from South Section Line  
4290 Feet from East Section Line

Lease Staple Unit Well # 5X (Staple #3)  
 County Russell

Operator: Berco Inc. Operator License: 5363

Address: P.O. Box 20380 Contact Person: Bruce Meyer  
W. White, KS, 67208 Phone: (316) 265-3311

Maximum Authorized Injection Pressure: 1250 psi; Maximum Injection Rate 1000 bbl/day;  
 If Dual Completion - Injection above production \_\_\_\_\_; Injection below production \_\_\_\_\_

Size	Conductor	Surface	Production	Liner	Size	Tubing
Set at		<u>8 5/8"</u>	<u>5 1/2"</u>			<u>2 3/4"</u>
Cement Top		<u>375'</u>	<u>310'</u>			<u>2956'</u>
Cement Bottom		<u>w/252 GKS</u>	<u>w/100 SX5</u>			<u>Plastic lined</u>
DV/Perf.		<u>Surface</u>				
Packer Type	<u>5 1/2 Lock Set</u>					
Zone of Injection	<u>2966</u> feet to	<u>3012</u> feet				

TD (and plug back) \_\_\_\_\_ ft depth  
 Set at 2956  
 Perforations or Open Hole: Plugs

Type MIT: Pressure  Radioactive Tracer Survey  Temperature Survey

F I E L D D A T A

Time: Start 0 Min. 15 Min. 30 Min.

Pressures: 300 300 300 Set up #1 System Pressure during test \_\_\_\_\_  
 Set up #2 Annular Pressure during test \_\_\_\_\_  
 Set up #3 Fluid loss during test \_\_\_\_\_ bbls.

Tested: Casing  or Casing / Tubing Annulus

The bottom of the tested zone is shut in with A Parker

Test Date: 11-22-02 Using Company Tools Company's Equipment

The operator hereby certifies that the zone between 0 feet and 2956 feet was the zone tested.

Robert Grant  
 Signature and Title

The results were Satisfactory  Marginal \_\_\_\_\_, Not Satisfactory \_\_\_\_\_

State Agent: Robert Grant Title: PTRT II Witness: Yes  No \_\_\_\_\_

Remarks: Treated water backside

Original Conservation Div.;  KDHE/T;  District Office;  
 Computer Update

# ALLIED CEMENTING CO., INC. 11479 ORIGINAL

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

SERVICE POINT: R

DATE <u>11/11/02</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>8:00A.M.</u>	JOB START	JOB FINISH <u>4:30P.M.</u>
LEASE <u>Steinle Unit</u>	WELL # <u>5X</u>		LOCATION <u>Russell 12N 1w 1/2S</u>	COUNTY <u>RS</u>		STATE <u>KS</u>	
<input checked="" type="radio"/> OLD <input type="radio"/> NEW (Circle one)			E INTO				

CONTRACTOR Co Tools

TYPE OF JOB 596122

HOLE SIZE	T.D.
CASING SIZE <u>5 1/2</u>	DEPTH
TUBING SIZE <u>2 1/2</u>	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 185 COM

275 100/40 200lb

USED 185 COM / 260 100/40 200lb

COMMON <u>341</u>	@ <u>6.65</u>	<u>2267.155</u>
POZMIX <u>104</u>	@ <u>3.55</u>	<u>369.20</u>
GEL <u>5</u>	@ <u>10.00</u>	<u>50.00</u>
CHLORIDE	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>4100</u>	@ <u>1.10</u>	<u>512.60</u>
MILEAGE <u>.04/sk/mi.</u>		<u>210.96</u>
TOTAL		<u>3460.41</u>

### EQUIPMENT

PUMP TRUCK # <u>122</u>	CEMENTER <u>Paul</u>	HELPER <u>Bill</u>
BULK TRUCK # <u>213</u>	DRIVER <u>Shane</u>	
BULK TRUCK # _____	DRIVER _____	

### REMARKS:

Retainer @ 3030; Mixed 100sx  
Displaced down 18 1/4 Bbl. Came out w/  
thg. Ran in to 2929 w/ pill. Perfs @  
2966-70, 3003-12. Mixed 85sx  
stepped and squeezed to 50psi. Came out  
w/ thg. Perfs @ 848. Broke circ.  
Mixed 260sx. Displaced 20 Bbl shut in  
Cement did circulate!

### SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1650.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>14</u>	@ <u>3.00</u>	<u>42.00</u>
PLUG <u>5 1/2 Rubber</u>	@	<u>160.00</u>
	@	
	@	
TOTAL		<u>252.00</u>

CHARGE TO: Berexco

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

### FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		_____

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

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_

PAID IN 30 DAYS

SIGNATURE Robert [Signature]

PRINTED NAME \_\_\_\_\_