

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

Operator: License # 31406

Name: Prairie Resources, Inc.

Address: 1016 Amanda Pines Drive

City/State/Zip Parker Colorado 80138

Purchaser: _____

Operator Contact Person: Lynn Packard

Phone (316) 886-5295

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Gordon Keen

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:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBDT

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

04-01-98 04-07-98 04-08-98

Spud Date Date Reached TD Completion Date

API NO. 15- 007-22565 0000

County Barber County, Kansas plugged 4/8/98

G-S/2- SE- NE Sec. 23 Twp. 31 Rge. 13 X W

3040 Feet from (S/N) (circle one) Line of Section

760 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 Packard Well # 3-23

Field Name Nurse

Producing Formation NONE

Elevation: Ground 1611 KB 1622

Total Depth 4696' PBDT _____

Amount of Surface Pipe Set and Cemented at 216 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan DFA, 6-17-98 etc.
(Data must be collected from the Reserve Pit)

Chloride content 3600 ppm Fluid volume 682 bbls

Dewatering method used Settling pit

Location of fluid disposal if hauled offsite: _____

Operator Name Mac SWD

Lease Name _____ License No. 5435

Quarter Sec. 7 Twp. 32 S Rng. 11 (E/W)

County Barber Docket No. CD-78217

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 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 James W. Keel

Title President Date 5/11/98

Subscribed and sworn to before me this 11th day of May, 1998.

Notary Public James B. Alexander

Date Commission Expires 3-15-02

K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" 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)

E. Cooper

Operator Name Prairie Resources, Inc. Lease Name Packard Well # 3-23

Sec. 23 Twp. 31 Rge. 13 East West County Barber County, Kansas

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.) Yes No

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run (Submit Copy.) Yes No

List All E.Logs Run:

Dual Induction

Dual Compensated Porosity

Log Sample

Formation (Top), Depth and Datum	Name	Top	Datum
	Douglas	3616	-1994
	Swope	4070	-2448
	Miss.	4236	-2614
	Viola	4465	-2843
	Simpson Sd	4579	-2957
	Arbuckle	4673	-3051
	TD	4696	

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4"	8-5/8"	23#	216'	60/40 Poz	165	3%cc 2%gel

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 type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	NA		

TUBING RECORD

Size NA Set At _____ Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. DA Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<u>NA</u>				

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

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

Production Interval _____

JWK 5/2/98

GL 1611 KB 1622

PRAIRIE RESOURCES INC

3040' FSL 760' FEL Sec 23 RECEIVED PACKARD 3-23

KANSAS CORP CONVERSE FIELD

C-5/2-SE-NE

1998 MAY 19 D 15 AC 23 TWP 31 S R 13 W

SPUD 4/1/98 P&A 4/8/98

BARBER CNTY, KS

Duke Rig #5

ORIGINAL

15-007-22565

Ground Level

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



1 1/4" hole to 220'



8 5/8" 24# J-55 @ 216'
4/1/98 cmt'd by Allied
w/165 SXs 60/40 3% CaCl₂
2% gel. Circ. out to
surface

4/8/98 P&A'D

① PO 50 SX cmt fr 600' to 253'
w/4 1/2 DP inside 7 7/8 hole

① 50 SX Class A 60/40 670 gal
1.58 CF/SX = 14.05 bbls
x 24.65 bbls/CF
600 - 346.33 FT = 253'

② PO 40 SX cmt fr 240' to 17'
w/4 1/2 DP inside 7 7/8 hole
f 8 5/8 CSG

② 40 SX = 11.25 bbls
OH = 240' - 216' = 24' ÷ 24.6 LF/bbl
= 1 bbl in OH

③ PO 10 SX cmt fr 40' to SURF.

CSG = 11.25 bbls - 1.0 = 10.25 bbls
10.25 bbls 1/2 FT fr CSG
x 22.72 LF/bbl
232.88 LF - 216' = 16.88

④ PO 15 SX in Rat hole

⑤ PO 10 SX in Mouse hole

③ 10 SX = 2.81 bbls
x 22.72 LF/bbl
63.9 LF

7 7/8" hole to 4696'
w/9.5# MW

4/7/98 reached TD
Logged w/ LOG Tech: DIL &
DC Porosity

PRAIRIE RESOURCES, INC.

RECEIVED
KANSAS CORP COM
1998 MAY 19 P 1:14

May 13, 1998

State Corporation Commission Of Kansas
Oil & Gas Conservation Division
130 S. Market St.
Wichita, Kansas 67202


RE: Forms ACO - 1, CP-1 & CP-4
Packard 3-23 (New Well)
Sec 23 Twp 31 S Rge 13 W
Barber County, Kansas

Gentlemen:

As per the Kansas Corporation Commission rules, enclosed is an original and two copies of the Well Completion Report (Form ACO - 1) for the subject well. Also enclosed is one copy of all Wireline Logs, Geological well log and Cementing tickets plus forms CP-1 (well plugging application) and form CP-4 (well plugging record).

Should additional information be required , please advise.

Very truly yours:



James W. Knell
President
Prairie Resources Incorporated (a Colorado Corp.)

attachments

STATE OF KANSAS
STATE CORPORATION COMMISSION
CONSERVATION DIVISION
200 Colorado Derby Building
Wichita, Kansas 67202

FORM CP-1
Rev. 03/92

ORIGINAL

WELL PLUGGING APPLICATION FORM
(PLEASE TYPE FORM and File ONE Copy)

RECEIVED
KANSAS CORP COMM

1998 MAY 19 10:14

API # 15-007-22565 0000 (Identifier number of this well). This must be listed for wells drilled since 1967; if no API# was issued, indicate spud or completion date.

WELL OPERATOR Prairie Resources, Inc. KCC LICENSE # 31406
(owner/company name) (operator's)

ADDRESS 1016 Amanda Pines Drive CITY Parker

STATE Colorado ZIP CODE 80138 CONTACT PHONE # (316) 886-5295

LEASE Packard WELL# 3-23 SEC. 23 T. 31 R. 13 (~~XXX~~/West)

C-S/2 - SE - NE SPOT LOCATION/QQQQ COUNTY Barber County, Kansas

3040' FEET (in exact footage) FROM (S)/N (circle one) LINE OF SECTION (NOT Lease Line)

760' FEET (in exact footage) FROM (E)/W (circle one) LINE OF SECTION (NOT Lease Line)

Check One: OIL WELL GAS WELL D&A SWD/ENHR WELL DOCKET# _____

CONDUCTOR CASING SIZE _____ SET AT _____ CEMENTED WITH _____ SACKS

SURFACE CASING SIZE 8-5/8" SET AT 216' CEMENTED WITH 165 SACKS

PRODUCTION CASING SIZE _____ SET AT _____ CEMENTED WITH _____ SACKS

LIST (ALL) PERFORATIONS and BRIDGEPLUG SETS: _____

ELEVATION 1611/1622' T.D. 4696' PBTD _____ ANHYDRITE DEPTH 567-571'
(G.L./K.B.) (Stone Corral Formation)

CONDITION OF WELL: GOOD POOR CASING LEAK JUNK IN HOLE

PROPOSED METHOD OF PLUGGING As per state rep, instructions: PO 50 sx cmt plug @ 600'

(base of anhyd.), PO 40 sx cmt plug 30' below surf. pipe @ 216', PO 10 sx cmt plug @ 40'.

15 sxs in rate hole & 10 sxs in mouse hole.
(If additional space is needed attach separate page)

IS WELL LOG ATTACHED TO THIS APPLICATION AS REQUIRED? Yes IS ACO-1 FILED? Yes

If not explain why? _____

PLUGGING OF THIS WELL WILL BE DONE IN ACCORDANCE WITH K.S.A. 55-101 et. seq. AND THE RULES AND REGULATIONS OF THE STATE CORPORATION COMMISSION.

LIST NAME OF COMPANY REPRESENTATIVE AUTHORIZED TO BE IN CHARGE OF PLUGGING OPERATIONS:

Lynn Packard PHONE# (316) 886-5295

ADDRESS 514 No. Walnut City/State Medicine Lodge, KS 67104

PLUGGING CONTRACTOR Duke Drilling Co., Inc. KCC LICENSE # 5929
(company name) (contractor's)

ADDRESS P.O. Box 823, Grät Bend, KS 67530 PHONE # (316) 267-1331

PROPOSED DATE AND HOUR OF PLUGGING (If Known?) April 8, 1998 3:30 AM

PAYMENT OF THE PLUGGING FEE (K.A.R. 82-3-118) WILL BE GUARANTEED BY OPERATOR OR AGENT

DATE: 5/11/98 AUTHORIZED OPERATOR/AGENT: James W. Kell
(signature) President

ALLIED CEMENTING CO., INC. 5891

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

ORIGINAL

SERVICE POINT:
Med. Lodge, KS.

DATE <u>4-8-98</u>	SEC. <u>23</u>	TWP. <u>31s</u>	RANGE <u>1300</u>	CALLED OUT <u>10:15 P.M.</u>	ON LOCATION <u>12:30 AM.</u>	JOB START <u>2:00 AM.</u>	JOB FINISH <u>3:30 AM.</u>
LEASE <u>Ackard</u>		WELL #. <u>3-23</u>	LOCATION <u>MINGONA, Corner 1/2 NW - 1/4 W</u>			COUNTY <u>Barber</u>	STATE <u>KS.</u>

OLD OR NEW (Circle one)

CONTRACTOR Duke Drh. #5
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8 T.D. 469 1/2
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 - x hole DEPTH 600'
 TOOL _____ DEPTH _____
 PRES. MAX 200 MINIMUM 100
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____

OWNER Prarie Resources
 CEMENT

AMOUNT ORDERED 1255XS. 60/40/6% GEL

COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING _____ @ _____
 MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER ARRY Wreeding
 # 343 HELPER Justin Hart
 BULK TRUCK _____
 # 301 DRIVER John Kelley
 BULK TRUCK _____
 # _____ DRIVER _____

TOTAL _____

REMARKS:

SERVICE

600' - 50SX5.
245' - 40SX5.
40' - 10SX5
mouse-hole - 10SX5.
Rathole - 15SX5.
Cemented 1255XS. 60/40/6% GEL

DEPTH OF JOB 600'
 PUMP TRUCK CHARGE _____
 EXTRA FOOTAGE _____ @ _____
 MILEAGE _____ @ _____
 PLUG _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

CHARGE TO: Prarie Resources
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

TOTAL _____

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

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

SIGNATURE X Duane Hollen

MAY 19 1998

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(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.

ALLIED CEMENTING CO., INC.

5888

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

Surf. Pipe

ORIGINAL

SERVICE POINT: Med. Lodge, ks.

DATE <u>4-1-98</u>	SEC. <u>23</u>	TWP. <u>31s</u>	RANGE <u>13w</u>	CALLED OUT <u>11:00 A.M.</u>	ON LOCATION <u>1:30 P.M.</u>	JOB START <u>3:30 P.M.</u>	JOB FINISH <u>4:30 P.M.</u>
LEASE <u>Backard</u>	WELL # <u>3-23</u>	LOCATION <u>MANONDA CORNER, 1/4 - 1/2 - 1/4</u>			COUNTY <u>Barber</u>	STATE <u>KS.</u>	

OLD OR NEW (Circle one)

CONTRACTOR ~~SEPER~~ Duke Drilg.

TYPE OF JOB Surface Csg.

HOLE SIZE 12 1/4 T.D. 220

CASING SIZE 8 5/8 x 24 DEPTH 216

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 200 MINIMUM 100

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15' By Request

PERFS. _____

OWNER Prarie Resources

CEMENT

AMOUNT ORDERED 165 SXS 60/40/
3% CaCl₂ + 2% Gel

COMMON	_____	@	_____
POZMIX	_____	@	_____
GEL	_____	@	_____
CHLORIDE	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
_____	_____	@	_____
HANDLING	_____	@	_____
MILEAGE	_____	@	_____

EQUIPMENT

PUMP TRUCK CEMENTER Narry Drilling

343 HELPER Justin Hart

BULK TRUCK _____

301 DRIVER mark Brumgardt

BULK TRUCK _____

_____ DRIVER _____

TOTAL _____

REMARKS:

Pipe on Bottom - Break Circ.
mix + Pump 165 SXS 60/40/ 3% CaCl₂
2% Gel. Release Plug. Pump + Displace
Plug w/ 12% RTK. Fresh H₂O.
Shut In Cement Circ. to Surface

SERVICE

DEPTH OF JOB <u>216</u>	_____
PUMP TRUCK CHARGE	_____
EXTRA FOOTAGE	_____ @ _____
MILEAGE	_____ @ _____
PLUG <u>wood</u>	_____ @ _____
_____	_____ @ _____
_____	_____ @ _____

TOTAL _____

CHARGE TO: Prarie Resources

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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

SIGNATURE [Signature]

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(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 wilful 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.



ORIGINAL CEMENTING LOG

STAGE NO. _____

Date 3-21-98 District Med. Loc. Ticket No. 5886
 Company ADVANTAGE Resources Rig Duke #5
 Lease WUNONA ROSS Well No. 2
 County KIOWA State KS.
 Location Brenham Elevator Field 14-285-170
1/25-1/262-3/8

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 5/8 Type J555 Weight 24 Collar _____

Casing Depths: Top 8 5/8 463' Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.60 Collars X hole
 Open Hole: Size 7 7/8 T.D. 4920 ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0.0637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. 0.0602 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.32
 Annulus: 6 1/2 Bbls/Lin. ft. 0.0406 Lin. ft./Bbl. 24.6474
6 5/8 Bbls/Lin. ft. 0.0440 Lin. ft./Bbl. 22.72
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type CLASS A
60/40/10% Gel. Excess _____

Amt. 14.5 Sks Yield 1.58 ft³/sk Density 13.8 PPG

WATER: Lead _____ gals/sk Tail 7.8 gals/sk Total _____ Bbls

Pump Trucks Used 255-265 CARL-MARK
 Bulk Equip. 242 John

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____ 8.34
 Disp. Fluid Type med-H₂O Amt. _____ Bbls. Weight 9.1 PPG
 Mud Type Chemical Weight 9.1 PPG

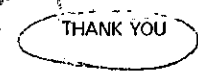
COMPANY REPRESENTATIVE Joe Lewington

CEMENTER Kelly Williams

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
6:40	250		9		5	1140' w/ 50SXS.
	150		14		5	START H ₂ O PAD
	100		3		3	START Cement
	100		9		4 1/2	START Fresh H ₂ O SPACER
6:50						START MUD.
						Stop Pumps.
7:15	100		5		4	4:30' w/ 50SXS.
	100		14		5	START H ₂ O PAD.
	75		3		3	START Cement
7:25						START Displace
						Stop Pumps
8:00	50		1 1/2		3	40' w/ 10SXS.
8:10	50		1 1/2		3	mousehole w/ 10SXS.
8:15	50		3		3	Dathole w/ 15SXS.
			1 1/2		3	Water Well w/ 10SXS RECEIVED

MAY 10 1998

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs.



ALLIED CEMENTING CO., INC. 5886

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

ORIGINAL

SERVICE POINT: Med. Lodge, ks.

DATE <u>3-21-98</u>	SEC <u>19</u>	TWP. <u>28S</u>	RANGE <u>17W</u>	CALLED OUT <u>12:30 P.M.</u>	ON LOCATION <u>4:00 P.M.</u>	JOB START <u>6:30 P.M.</u>	JOB FINISH <u>8:30 P.M.</u>
LEASE <u>ADIANA</u>	WELL # <u>2</u>	LOCATION <u>Brenham Elevator - 1/2 S</u>			COUNTY <u>Lincoln</u>	STATE <u>KS.</u>	
OLD OR NEW (Circle one)		<u>1/2 W - 5/8</u>					

CONTRACTOR Dike Drilling

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 4920

CASING SIZE 8 5/8 X 24 DEPTH 463

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 250 MINIMUM 100

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER Advantage Resources
CEMENT

AMOUNT ORDERED 145 SXS. 60/40/1% GEL

COMMON	@	_____
POZMIX	@	_____
GEL	@	_____
CHLORIDE	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
HANDLING	@	_____
MILEAGE	@	_____

EQUIPMENT

PUMP TRUCK CEMENTER & Army Drilling

255-265 HELPER MARK B. - Carl B.

BULK TRUCK _____

242 DRIVER John Kelley

BULK TRUCK _____

_____ DRIVER _____

TOTAL _____

REMARKS:

SERVICE

1140' w/ 50 SXS.

430' w/ 50 SXS.

47' w/ 10 SXS.

mousehole w/ 10 SXS.

Rathole w/ 15 SXS.

Water well w/ 10 SXS.

Cemented w/ 145 SXS. 60/40/1% GEL

DEPTH OF JOB 1140

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____

MILEAGE _____

PLUG _____

TOTAL _____

CHARGE TO: Advantage Resources

FLOAT EQUIPMENT

STREET _____

CITY _____ STATE _____ ZIP _____

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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

SIGNATURE X [Signature]

John Kelley

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Allied" shall mean Allied Cementing Co., Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

—**TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "ALLIED" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing, in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "ALLIED," refunded directly to "CUSTOMER." For purposes of this paragraph, ALLIED and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

—**ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the terms of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limited to, a reasonable sum as and for attorney's fees.

—**PRICES AND TAXES:** All merchandise listed in "ALLIED'S" current price schedule are F.O.B. ALLIED'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by ALLIED shall be added to the quoted prices charged to CUSTOMER.

—**TOWING CHARGES:** ALLIED will make a reasonable attempt to get to and from each job site using its own equipment. Should ALLIED be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by ALLIED, will be charged to and paid by CUSTOMER.

—**PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay ALLIED for the expenses incurred by ALLIED as a result of the cancellation.

—**DEADHAUL CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charge as set forth in ALLIED'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

—**SERVICE CONDITIONS AND LIABILITIES:** 1. ALLIED carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond ALLIED'S control, ALLIED shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless ALLIED, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with ALLIED'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of ALLIED or its employees.

2. With respect to any of ALLIED'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to ALLIED at the landing, CUSTOMER shall either recover the lost item without cost to ALLIED or reimburse ALLIED the current replacement cost of the item unless the loss or damage results from the sole negligence of ALLIED or its employees.

3. ALLIED does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. ALLIED warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. ALLIED'S obligation under this warranty is expressly limited to repair, replacement, or allowance for credit, at its option, for any merchandise which is determined by ALLIED to be defective. THIS IS THE SOLE WARRANTY OF ALLIED AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and ALLIED shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(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 wilful 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.

Date 4-8-98 District Med. Lodge Ticket No. 5891
 Company Paric Resources Rig Dak-45
 Lease Parkam Well No. 2-23
 County Barber State KS
 Location Mimona Corner Field 23-25-13W
1/2W - 1/2N - 1/4E

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

Casing Depths: Top 25' - 215' Bottom _____

Drill Pipe: Size 4 1/2 Weight Mo. 111.6 Collars X hole

Open Hole: Size 7 1/8 TD 2066 ft. PB. to _____ ft.

CAPACITY FACTORS:
 4 Casing: Bbls/Lin. ft. 0.37 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. 0.24 Lin. ft./Bbl. 16.34
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. 0.406 Lin. ft./Bbl. 24.6474
 Bbls/Lin. ft. 0.446 Lin. ft./Bbl. 22.72

Perforations: From _____ ft. to _____ ft. Amt: _____

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type CLASSA
6.146/6% Gel Excess _____

Amt. 125 Skys Yield 1.58 ft³/sk Density 13.8 PPG

WATER: Lead _____ gals/sk Tail 7.8 gals/sk Total 23 Bbls.

Pump Trucks Used 343 Justin H.
 Bulk Equip. 301 John K.

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Fresh H₂O Amt. _____ Bbls. Weight 8.34 PPG
 Mud Type Chemical Weight 9.1 PPG

COMPANY REPRESENTATIVE Joe Kevinstein

CEMENTER Andy Dailing

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
2:00		1.50		10		5	60' - 50SXS. START Fresh H ₂ O PAD
2:07		10.2		14		5	START Cement. 50SXS. 60/40/6
2:25		10.6		4 1/2		4	START Fresh H ₂ O Displace STOP Pumps
2:30		25		3		4	245' - 40SXS. START Fresh H ₂ O PAD
2:45		50		11		5	START Cement - 40SXS. 60/40/6
2:50		50		1		3	START Fresh H ₂ O Displace STOP Pumps
2:55		50		1 1/2		3	40' - 10.5XS. 60/40/6
				3		3	mus-hold w/ 10SXS. 60/40/6
				3		3	24 hole - 65SXS. 60/40/6
							cemented w/ 65SXS. 60/40/6% Gel