

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

ORIGINAL

API NO. 15-151-22,095 ⁰⁰⁻⁰⁰

County Pratt

S/2- SE- NE- Sec. 14 Twp. 29S Rge. 14 ^E X W

2970 Feet from S/W (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 Randle Well # 1

Field Name wildcat

Producing Formation _____

Elevation: Ground 1960' KB 1965'

Total Depth 4620' PBSD _____

Amount of Surface Pipe Set and Cemented at 315 Feet

Multiple Stage Cementing Collar Used? _____ Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan ADB 2-3-93
(Data must be collected from the Reserve Pit)

Chloride content 45,000 ppm Fluid volume 1,800 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite:
(not hauled)

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

Operator: License # 5135

Name: John O. Farmer, Inc.

Address P. O. Box 352

City/State/Zip Russell, KS 67665

Purchaser: _____

Operator Contact Person: Marty Dubois

Phone (913) -483-3144

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Marty Dubois

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD S10W 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 PBSD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

1/14/93 1/22/93

Spud Date Date Reached TD Completion Date

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.

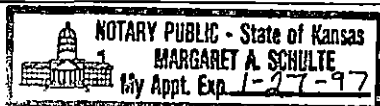
Signature John O. Farmer III
John O. Farmer III

Title President Date 1-29-93

Subscribed and sworn to before me this 29th day of January, 1993.

Notary Public Margaret A. Schulte
Margaret A. Schulte

Date Commission Expires _____



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

KCC SWD/REG

KGS PUG

Other _____ (Specify)

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STATE CORPORATION COMMISSION

CONSERVATION DIVISION

WICHITA KANSAS

Form ACD-1 (7-91)

2-1-93

Operator Name John O. Farmer, Inc. Lease Name Randle Well # 1

Sec. 14 Twp. 29S Rge. 14 East West
 County Pratt

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Wabaunsee	2970'	(-1005)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Howard	3288'	(-1323)
List All E.Logs Run:	* COPY OF 1-22-93 DRILLERS LOG ATTACHED.	Heebner	3780'	(-1815)
		Lansing	3970'	(-2005)
		Cherokee	4430'	(-2465)
		Miss.-Conglomerate	4437'	(-2472)
		Viola	4471'	(-2506)
		Simpson Sand	4542'	(-2577)
		L.T.D.	4620'	(-2655)

Neutron/Density Porosity Log
 Dual Induction Log
 ** CONTINUED ON SIDE TWO, PAGE TWO

CASING RECORD <input 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"	20#	315'	60-40 Pozmix	190	4% C.C., 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	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input 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

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 _____

ORIGINAL

SIDE TWO (Page Two)

ACO-1 WELL HISTORY

OPERATOR John O. Farmer, Inc. LEASE NAME Randle

SEC. 14 TWP. 29S RGE. 14W

FILL IN WELL LOG AS REQUIRED:

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

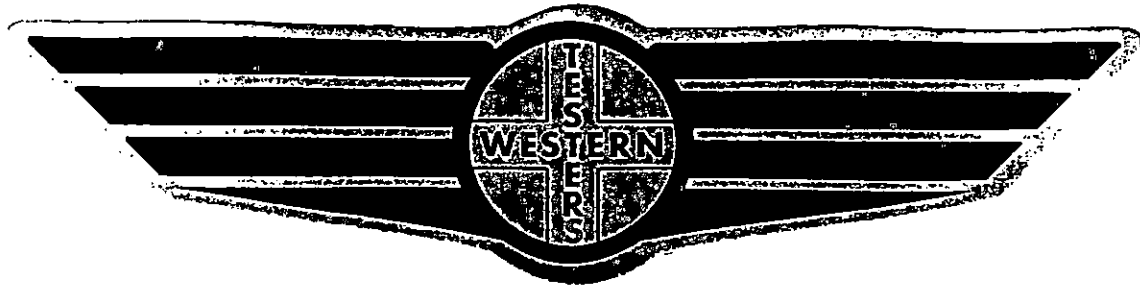
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
<p>(CONTINUED FROM SIDE TWO, PAGE ONE)</p> <p>DST #1 4566-4575' (straddle test lower Simpson) Tool open 30-30-45-45 Rec: 120' muddy saltwater (30% mud) 360' saltwater (chlorides 74,000 ppm) FP: 86-107, 193-236 SIP: 1090-1090 HP: 2401-2348 BHT: 118° F.</p>				

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FEB - 1 1993
CONSERVATION DIVISION
WICHITA, KANSAS

ORIGINAL

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 800 - 688 - 7021

COMPANY JOHN O. FARMER

LEASE & WELL NO. #1 RANDLE

SEC. 14 TWP. 29S RGE. 14W TEST NO. 1 DATE 1/21/93

DST REPORT

GENERAL INFORMATION

DATE : 1/21/93	TICKET : 19370
CUSTOMER : JOHN O. FARMER	LEASE : RANDLE
WELL : 1 TEST: 1	GEOLOGIST: MARTIN DUBOIS
ELEVATION: 1960 GL	FORMATION: SIMPSON SAND
SECTION : 14	TOWNSHIP : 29S
RANGE : 14W COUNTY: PRATT	STATE : KS
GAUGE SN#: 1051 RANGE : 4250	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4566.00 ft	TO: 4575.00 ft	TVD: 4620.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 4567.0 ft	4570.0 ft	
TEMPERATURE: 118.0		
DRILL COLLAR LENGTH: 125.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH : 636.0 ft	I.D.:	2.500 in
DRILL PIPE LENGTH : 3787.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 23.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 9.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4566.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4575.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4580.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : EMPHASIS DRLG RIG 5	VISCOSITY : 58.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 17.000 cc
WEIGHT : 9.600 ppg	
CHLORIDES : 8000 ppm	SERIAL NUMBER: 411
JARS-MAKE : W.T.C.	REVERSED OUT?: NO
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK 2 INCH BLOW DEPLEATING TO
A 1 INCH BLOW. FINAL FLOW PERIOD VERY WEAK 1/2
INCH BLOW. 40 FT. OF TAIL PIPE.

ORIGINAL

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	70.0	30.0	MUDDY WATER
360.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 74000 P.P.M.

RATE INFORMATION

OIL VOLUME: 0.0000 STB	
GAS VOLUME: 0.0000 SCF	TOTAL FLOW TIME: 75.0000 min.
MUD VOLUME: 0.2186 STB	AVERAGE OIL RATE: 0.0000 STB/D
WATER VOLUME: 2.5513 STB	AVERAGE WATER RATE: 53.1816 STB/D
TOTAL FLUID : 2.7699 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2401.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	107.00
INITIAL SHUT-IN	30.00		1090.00
FINAL FLOW	45.00	193.00	236.00
FINAL SHUT-IN	45.00		1090.00

FINAL HYDROSTATIC PRESSURE: 2348.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2393.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	75.00	112.00
INITIAL SHUT-IN	33.00		1088.00
FINAL FLOW	45.00	203.00	229.00
FINAL SHUT-IN	48.00		1081.00

FINAL HYDROSTATIC PRESSURE: 2334.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/21/93	TICKET : 19370
CUSTOMER : JOHN O. FARMER	LEASE : RANDLE
WELL : 1	TEST: 1
ELEVATION: 1960 GL	GEOLOGIST: MARTIN DUBOIS
SECTION : 14	FORMATION: SIMPSON SAND
RANGE : 14W	TOWNSHIP : 29S
COUNTY: PRATT	STATE : KS
RANGE : 4250	CLOCK : 12
GAUGE SN#: 1051	

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	75.00	75.00
5.00	75.00	0.00
10.00	75.00	0.00
15.00	91.00	16.00
20.00	101.00	10.00
25.00	110.00	9.00
30.00	112.00	2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	505.00	505.00	0.00
6.00	888.00	383.00	0.00
9.00	957.00	69.00	0.00
12.00	1005.00	48.00	0.00
15.00	1033.00	28.00	0.00
18.00	1056.00	23.00	0.00
21.00	1067.00	11.00	0.00
24.00	1075.00	8.00	0.00
27.00	1078.00	3.00	0.00
30.00	1082.00	4.00	0.00
33.00	1088.00	6.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
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ORIGINAL

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	203.00	203.00
5.00	203.00	0.00
10.00	203.00	0.00
15.00	203.00	0.00
20.00	203.00	0.00
25.00	206.00	3.00
30.00	213.00	7.00
35.00	217.00	4.00
40.00	220.00	3.00
45.00	229.00	9.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	676.00	676.00	0.00
6.00	893.00	217.00	0.00
9.00	951.00	58.00	0.00
12.00	1001.00	50.00	0.00
15.00	1027.00	26.00	0.00
18.00	1038.00	11.00	0.00
21.00	1046.00	8.00	0.00
24.00	1056.00	10.00	0.00
27.00	1060.00	4.00	0.00
30.00	1063.00	3.00	0.00
33.00	1067.00	4.00	0.00
36.00	1073.00	6.00	0.00
39.00	1076.00	3.00	0.00
42.00	1078.00	2.00	0.00
45.00	1080.00	2.00	0.00
48.00	1081.00	1.00	0.00

ORIGINAL

EMPHASIS OIL OPERATIONS

P. O. BOX 506
RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: John O. Farmer, Inc.
P. O. Box 352
Russell, Kansas 67665

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Randle

WELL #1

LOCATION: S/2 SE NE
Section 14-29S-14W
Pratt County, Kansas

LOGGERS TOTAL DEPTH: 4620'

ROTARY TOTAL DEPTH: 4620'

COMMENCED: 1/14/92

CASING: 8-5/8" @ 315' w/~~180~~ 190 sks cement

ELEVATION: 1965' K.B.

COMPLETED: 1/22/92

STATUS: Dry Hole

DEPTHS & FORMATIONS

(All measurements from K.B.)

Red Bed	320'	Shale & Lime	2460'
Anhydrite	1924'	Lime & Shale	3754'
Shale	1973'	R.T.D.	4620'
Lime & Shale	2135'		

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

Kyle B. Branum
Kyle B. Branum

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STATE CORPORATION COMMISSION
FEB - 1 1993
CONSERVATION DIVISION
WICHITA, KANSAS

Subscribed and sworn to before me on January 22, 1993.

My commission expires: February 6, 1996.

GLEND A. R. TIFFIN
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 2-6-96

Glenda R. Tiffin
Glenda R. Tiffin, Notary Public

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ORIGINAL

ALLIED CEMENTING CO., INC.

2926

Home Office P. O. Box 31

Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
1-14-92	14	29	14	8:45A.M.	10:45A.M.	5:00P.M.	5:30P.M.
Lease	Well No.	Location			County	State	
Randle	#1	Sawyer, Ks., 3W-1N-3W-1N.			Pratt	Ks.	

Contractor	Emphasis Oil Co.	
Type Job	Surface Casing	
Hole Size	12 1/4	T.D. 320'
Csg.	8 5/8 x 20"	Depth 316'
Tbg. Size		Depth
Drill Pipe	4 1/2 x-Hole	Depth 320
Tool		Depth
Cement Left in Csg.	15'	Shoe Joint
Press Max.	300	Minimum 150
Meas Line		Displace 19 1/2 BBIS
Perf.		

Owner John O Farmer
 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 listed.

Charge To John O Farmer

Street
 City State

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X 10m Ah

CEMENT

Amount Ordered 1905Ks. 60:40:4%CC. - 2%Gel

Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	

Sales Tax

Handling	
Mileage	
Sub Total	
Total	

Floating Equipment

EQUIPMENT

No.	Cementer	Larry Oreiling Carl Bolding
Pumptrk #265	Helper	
No.	Cementer	max wolf
Pumptrk	Helper	
	Driver	
Bulktrk #242	Driver	

DEPTH of Job

Reference:		
1	8 5/8 Top Hole Plug	
		Sub Total
		Tax
		Total

Remarks: " See Log "

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 STATE CORPORATION COMMISSION

FEB - 1 1993
 CONSERVATION DIVISION
 KANSAS

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.

Date 1-14-93 District med. lodge Ticket No. 2926
 Company John O Farmer Rig Emphasis #5
 Lease Randle Well No. #1
 County Pratt State KANSAS
 Location Sawyer, Ks. 3W-1N-3W-1N Field _____
14-295-14w

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 5/8 Type J-55 Weight 20# Collar _____

Burst Collaspe
2,950 1,370

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.6 Collars X-Hole
 Open Hole: Size 12 1/4 T.D. 320 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0650 Lin. ft./Bbl. 16.
 Open Holes: Bbls/Lin. ft. .1458 Lin. ft./Bbl. 6.8599
 Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
8 5/8 x 12 1/4 Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.6037
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

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

LEAD: Pump Time _____ hrs. Type _____
60:40:4%CC-2%Gel Excess _____
 Amt. 190 Sks Yield 1.27 ft³/sk Density 14.5 PPG

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

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

WATER: Lead 5.6 gals/sk Tail _____ gals/sk Total 25 Bbls.

Pump Trucks Used #256, Carl Balding
 Bulk Equip. #242, Max Wolf

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type Fresh H2O Amt. 19 1/2 Bbls. Weight 8.34 PPG
 Mud Type Chemical Weight 9.1 PPG

COMPANY REPRESENTATIVE Tom CEMENTER Larry Dreeiling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
4:50						Rig up and hold 5. After meeting
4:55		200		50	8	Pipe on Bottom
5:05		150				Circ. w/ rig Pump.
						Start Cement, Cement w/ 190 sks.
						60:40:4%CC-2%Gel
						Steady PSI
5:16		175		4.3	10	Cement In. Stop Pumps.
5:18					2	Release Plug
5:20		175				Start Fresh H2O Displace
5:23		200		10	2	Slight PSI Inc.
5:30		175		19 1/2	5	Fresh H2O In. Stop Pumps.
						Shut In.
						left 15' Cement In. Csq.
						Cement Circ. In Cellar.

RECEIVED
KANSAS CORPORATION COMMISSION

FEB 01 1993

CONSERVATION DIVISION
WICHITA, KS

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

3408

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

Date	1/22/93	Sec.	14	Twp.	29s	Range	14w	Called Out	6:00 PM	On Location	11:00 PM	Job Start	1:05 AM	Finish	3:00 AM
Lease	KANDEL	Well No.	1	Location				COATS 2E, IN, 1w, 1/2s	County	PRATT	State		KANSAS		

Contractor	EMPHASIS DRUG #5		
Type Job			
Hole Size	7 7/8"	T.D.	4620'
Csg.	3 7/8" 20#	Depth	315'
Tbg. Size		Depth	
Drill Pipe	4 1/2" 16.6#	Depth	300'
Tool		Depth	
Cement Left in Csg.		Shoe Joint	
Press Max.		Minimum	
Meas Line		Displace	
Perf.			

Owner JOHN O. FARMER INC.
 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 listed.

Charge To JOHN O. FARMER INC.
 Street P.O. BOX 357
 City RUSSELL State KANSAS 67665

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X Bill Owen

CEMENT

Amount Ordered 135sx 60:40:6% Gel

Consisting of	
Common	31
Poz. Mix	54
Gel.	7
Chloride	
Quickset	

EQUIPMENT

No.	Cementer	K. BRUNGARDT
Pumptrk 266	Helper	J. HART
No.	Cementer	
Pumptrk	Helper	
	Driver	M. BRUNGARDT
Bulktrk 222	Driver	

RECEIVED
 KANSAS CORPORATION COMMISSION
 Handling

Mileage
 FEB 01 1993
 CONSERVATION DIVISION
 WICHITA, KS

DEPTH of Job

Reference:	PUMP CHARGE	
	MILEAGE ON PUMP	
	3 7/8" WOOD PLUG	
	Sub Total	
	Tax	
	Total	

Floating Equipment

Remarks:
 205x @ 800'
 205x @ 345'
 105x @ 40'
 155x IN RATHOLE
 105x IN MOUSEHOLE

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.

Date 1/23/93 District WFO 6006 Ticket No. 2408
 Company JOHN O. FARMER INC Rig EMPHASIS #5
 Lease KANDEL Well No. 1
 County PRATT State KANSAS
 Location 14-295-14W Field _____
LOTS 2E, 1N, 10W, 12S

CEMENT DATA:
 Spacer Type: FRESH H₂O
 Amt. _____ Sks Yield _____ ft³/sk Density 8.34 PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 3 7/8" Type _____ Weight 20# Collar 3RD

LEAD: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type 60:40:6%
 Excess _____
 Amt. 125 Sks Yield 1.28 ft³/sk Density 13.8 PPG

WATER: Lead _____ gals/sk Tail 7.8 gals/sk Total 25 Bbls.

Casing Depths: Top 6.6 Bottom 215

Pump Trucks Used 266 Justin Hart
 Bulk Equip. 222 Mark Brungardt

Drill Pipe: Size 4 1/2" Weight 16.6# Collars X1
 Open Hole: Size 7 7/8" T.D. 4620 ft. P.B. to _____

Float Equip: Manufacturer _____
 Shoe Type _____ Depth _____

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0650 Lin. ft./Bbl. 15.6
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. 70.3
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Centralizers: Quantity _____ Plugs Top WOOD Btm. _____
 Stage Collars _____
 Special Equip. _____

Disp. Fluid Type MUD Amt. 5 Bbls. Weight 9.2 PPG
 Mud Type CHEMICAL Weight 9.3 PPG

COMPANY REPRESENTATIVE BILL OWEN

CEMENTER KEVIN BRUNGART

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
11:00						ON LOCATION, RIG UP
1:05	300				5	50SK @ 800'
	350		8 1/2	3 1/2	6	START FRESH H ₂ O VIA DRILL PIPE
	350		22 1/2	14	6	FRESH H ₂ O IN - START CEMENT
1:15	310		25 1/2	3	5	CEMENT IN - START FRESH H ₂ O
	300		30 1/4	4 3/4	5	FRESH H ₂ O IN - START MUD
						MUD IN - STOP PUMPS
	250				5	50SK @ 245'
	300		33 3/4	3 1/2	5	START FRESH H ₂ O
	300		32 3/4	14	5	FRESH H ₂ O IN - START CEMENT
	300		34	1 1/4	5	CEMENT IN - START FRESH H ₂ O
	100		57	3	3	FRESH H ₂ O IN - STOP PUMPS
	100		61	4	3	SOLID BRIDGE @ 40' - CIRCULATE CEMENT TO SURFACE / 10SK
3:00	100		64	3	3	CIRCULATE CEMENT TO SURFACE IN PATCHHOLE / 15SK
						CIRCULATE CEMENT TO SURFACE IN PATCHHOLE / 10SK