

CONFIDENTIAL

SIDE ONE

ORIGINAL

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

Operator: License # 4243

Name: CROSS BAR PETROLEUM, INC.

Address 151 N. MAIN, SUITE 630

City/State/Zip WICHITA, KS 67202-1407

Purchaser: N/A

Operator Contact Person: ALBERT BRENSING

Phone (316) 265-2279

Contractor: Name: MALLARD JV, INC.

License: 4958

Wellsite Geologist: TOM BLAIR

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:

RELEASED

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

12-21-96 01-02-97 01-02-97

Spud Date Date Reached TD Completion Date

API NO. 15- 097-21,416-0000

County Kiowa

100' W. W/2 SE SE NW NW Sec. 19 Twp. 29S Rge. 17 X X W E

1980 Feet from S (N) (circle one) Line of Section

1550 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 JENKINS Well # 2-19

Field Name BARSTOW

Producing Formation N/A

Elevation: Ground 2173' KB 2178'

Total Depth 5000' PBDT _____

Amount of Surface Pipe Set and Cemented at 9 jts @ 364' KB 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 D&A JRI 4-23-98
(Data must be collected from the Reserve Pit)

Chloride content 55,000 ppm Fluid volume 600 bbls

Dewatering method used ALLOW TO DRY THEN BACKFILL

Location of fluid disposal if hauled offsite: 10

Operator Name _____

Lease Name _____ License No. _____

Quarter CONFIDENTIAL Sec. CONFIDENTIAL Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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FEB 19 1997

FROM CONFIDENTIAL

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 [Signature]
Title ALBERT BEENSING, PRESIDENT Date 02-18-97

Subscribed and sworn to before me this 18th day of FEBRUARY, 19 97.

Notary Public [Signature]

Date Commission Expires 04-17-97

K.C.C. OFFICE USE ONLY		
F	<input checked="" 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"/> NGPA
		<input type="checkbox"/> Other (Specify)

JO ANN THADEN
NOTARY PUBLIC
STATE OF KANSAS
Exp. 4-17-97

ORIGINAL

SIDE TWO

Operation Name CROSS BAR PETROLEUM, INC. Lease Name JENKINS Well # 2-19

Sec. 19 Twp. 29S Rge. 17 East [X] West County KIOWA

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 [X] Yes [] No
Samples Sent to Geological Survey [X] Yes [] No
Cores Taken [] Yes [X] No
Electric Log Run [X] Yes [] No

List All E.Logs Run: R A GUARD LOG, GEOLOGISTS REPORT

[X] Log Formation (Top), Depth and Datums [] Sample
Name Top Datum

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SEE EXHIBIT 'A' ATTACHED HERETO FOR FORMATION TOPS

PLEASE KEEP THIS INFORMATION CONFIDENTIAL!!

CASING RECORD table with columns: Purpose of String, Size Hole Drilled, Size Casing Set, Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives. Includes handwritten '364' and '60/40 POZMIX'.

ADDITIONAL CEMENTING/SQUEEZE RECORD table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives.

PERFORATION RECORD table with columns: N/A Shots Per Foot, PERFORATION RECORD - Bridge Plugs Set/Type, Acid, Fracture, Shot, Cement Squeeze Record.

TUBING RECORD table with columns: Size, Set At, Packer At, Liner Run, Date of First, Resumed Production, SWD or Inj., Producing Method, Estimated Production Per 24 Hours.

Disposition of Gas: [] Vented [] Sold [] Used on Lease
METHOD OF COMPLETION: [] Open Hole [] Perf. [] Dually Comp. [] Commingled
Production Interval: [] other (Specify)

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ORIGINAL

Exhibit "A"

Cross Bar Pet. #2-19 JENKINS
1980' FNL & 1550' FWL-T29S-R17W
Kiowa County, Kansas
KB: 2178' GL: 2173' API: 15-097-21416

15-097-21416

DST's

DST#1, 4820-4924, Mississippian 45-60-45-90, 1st open-wk blow, increased to off bottom in 18 mins. 2nd open-fair blow, off bottom in 18 mins. Recovered 280' of water cut mud (10%w,90%m) Recovery chlorides 9000ppm. IHP 2414, IFP 143-143, ISIP 450, FFP 165-175, FSIP 764, FHP 2338, BHT 118°F.

RELEASED

SEP 25 1998

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Log Tops



FORMATION	CBP #2-19 Jenkins	
	DEPTH	SUBSEA
	KB 2178	
	100' W. W/2 SE NW	
	SEC. 19-T29S-R17W	
ANHYDRIDE	1089	1089
KRIDER	2467	-289
COTTONWOOD	ND	
WABAUNSEE	3300	-1122
STOTLER	3443	-1265
EMPORIA	3528	-1350
HIEBNER	4117	-1939
BROWN LIME	4282	-2104
LANS A POR	4298	-2120
LANS B POR	4320	-2142
LANS C POR	4356	-2178
DRUM	4470	-2292
STARK	4557	-2379
SWOPE POR	4561	-2383
HUSHPUCKNEY	4597	-2419
HERIHA	4618	-2440
BASE/KC	4700	-2522
MARMATON	4713	-2535
ALTAMONT POR	4766	-2588
PAWNEE POR	4798	-2620
CHEROKEE SHALE	4836	-2658
MISS UNCOFORMITY	4904	-2726
MISS POR	4948	-2770
RTD	5000	-2822

KCC

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ORIGINAL

WELL NAME: Jenkins #2-19
COMPANY: Cross Bar Petroleum Inc
LOCATION: Sec. 19 Twp. 29S Rge. 17W
Kiowa County Kansas
DATE: 1-7-97

15-097-21416

NOV

FEB 18

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SEP 25 1998

FROM CONFIDENTIAL

TRILOBITE TESTING L.L.C.

OPERATOR : Cross Bar Pet. Inc.
 WELL NAME: Jenkins # 2-19
 LOCATION : 20-29s-17w
 INTERVAL : 4820.00 To 4924.00 ft

DATE 1/1/97
 KB 2178.00 ft TICKET NO: 8899 DST #1
 GR 2173.00 ft FORMATION: Mississippi
 TD 4924.00 ft TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 45	Rec.	11084	11084	13849			PF Fr. 02:0 to 02:4 hr
SI 60	Range(Psi)	4300.0	4300.0	4375.0	0.0	0.0	IS Fr. 02:4 to 03:4 hr
SF 45	Clock(hrs)	12hr.	12hr.	12hr.			SF Fr. 03:4 to 04:3 hr
FS 90	Depth(ft)	4827.0	4827.0	4921.0	0.0	0.0	FS Fr. 04:3 to 6:00 hr

	Field	1	2	3	4	
A. Init Hydro	2414.0	2562.0	0.0	0.0	0.0	T STARTED 12:0 hr
B. First Flow	143.0	143.0	0.0	0.0	0.0	T ON BOTM 01:5 hr
B1. Final Flow	143.0	143.0	0.0	0.0	0.0	T OPEN 02:0 hr
C. In Shut-in	450.0	458.0	0.0	0.0	0.0	T PULLED 06:0 hr
D. Init Flow	165.0	184.0	0.0	0.0	0.0	T OUT 07:3 hr
E. Final Flow	175.0	179.0	0.0	0.0	0.0	
F. Fl Shut-in	764.0	761.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2338.0	2302.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 24000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 74000.00 lbs

RECOVERY

Tot Fluid	280.00 ft of	280.00 ft in DC and	0.00 ft in DP	Unseated Str Wt	75000.00 lbs
280.00	ft of Slight show of water	10% Water	90% Mud	Bot Choke	0.75 in
0.00	ft of			Hole Size	7.88 in
0.00	ft of			D Col. ID	2.25 in
0.00	ft of			D. Pipe ID	3.80 in
0.00	ft of			D.C. Length	310.00 ft
0.00	ft of			D.P. Length	4607.00 ft
0.00	ft of				
0.00	ft of				
SALINITY	0.00 P.P.M.	A.P.I. Gravity	0.00		

BLOW DESCRIPTION

Initial Flow:
 Fair blow, Built to bottom of bucket
 in 15 minutes.

Initial Shut In:

Final Flow:
 Fair blow, Built to bottom of bucket
 in 18 minutes.

Final Shut In:

SAMPLES:

SENT TO:

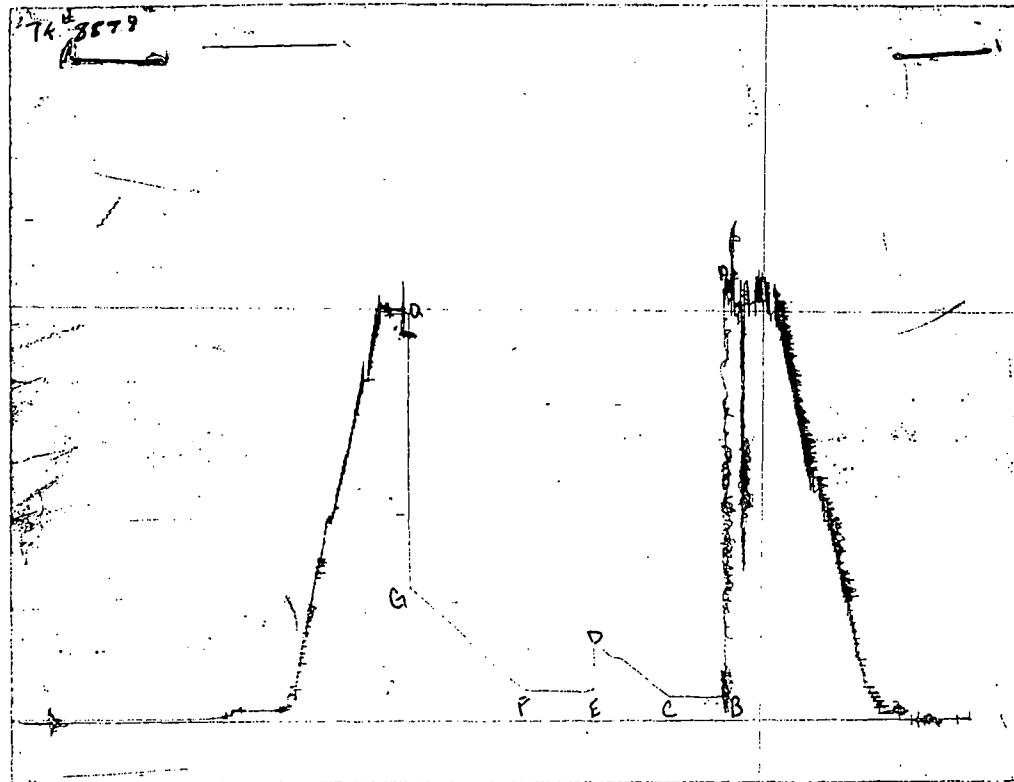
MUD DATA-----

Mud Type Chemical
 Weight 9.10 lb/c
 Vis. 53.00 S/L
 W.L. 9.60 in3
 F.C. 0.00 in
 Mud Drop N

Amt. of fill 0.00 ft
 Btm. H. Temp. 118.00 F
 Hole Condition fair
 % Porosity 10.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out
 Tool Chased
 Tester DARREN AMERINE
 Co. Rep. Tom Blair
 Contr. Mallard J.V.
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALLIED CEMENTING CO., INC.

6590

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

CONFIDENTIAL
ORIGINAL

SERVICE POINT:
med. lodge

DATE <u>1-1-97</u>	SEC. <u>19</u>	TWP. <u>29s</u>	RANGE <u>17w</u>	CALLED OUT <u>8:30 P.M.</u>	ON LOCATION <u>1:00 A.M.</u>	JOB START <u>2:30 A.M.</u>	JOB FINISH <u>4:15 A.M.</u>
LEASE <u>Jenkins</u>		WELL # <u>2-19</u>	LOCATION <u>Brenham Elevator-1/4w-6/2s-1/2w</u>		COUNTY <u>KIOWA</u>	STATE <u>KS.</u>	

OLD OR NEW (Circle one)

CONTRACTOR Mallard Drng.
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8 T.D. 5000'
 CASING SIZE 8 5/8 x 24 DEPTH 364
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 x hole DEPTH 1110'
 TOOL _____ DEPTH _____
 PRES. MAX 250 MINIMUM 100
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____

OWNER Cross Bar Petroleum
CEMENT

AMOUNT ORDERED 135sxs. 60/40/6%Gel

COMMON	<u>81</u>	@	<u>6.10</u>	<u>494.10</u>
POZMIX	<u>54</u>	@	<u>3.15</u>	<u>170.10</u>
GEL	<u>7</u>	@	<u>9.50</u>	<u>66.50</u>
CHLORIDE	<u>none</u>	@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>135</u>	@	<u>1.05</u>	<u>141.75</u>
MILEAGE	<u>135 x 37</u>		<u>.04</u>	<u>199.80</u>

EQUIPMENT

PUMP TRUCK CEMENTER Larry D.
 # 257-265 HELPER CARL B.
 BULK TRUCK
 # 242 DRIVER Shane W.
 BULK TRUCK
 # _____ DRIVER _____

RELEASED
SEP 25 1998

TOTAL \$ 1072.25

REMARKS: FROM CONFIDENTIAL SERVICE

50sxs. @ 1110'
50sxs. @ 390'
10sxs. @ 40'
10sxs. mousehole
15sxs. Rathole
Cemented w/ 135sxs. 60/40/6%Gel

DEPTH OF JOB	<u>1110'</u>			
PUMP TRUCK CHARGE				<u>445.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>37</u>	@	<u>2.85</u>	<u>105.45</u>
PLUG <u>8 5/8 Dry Hole</u>		@	<u>23.00</u>	<u>23.00</u>
		@		
		@		

TOTAL \$ 573.45

CHARGE TO: Cross Bar Petroleum
 STREET 151 NORTH MAIN, SUITE 630
 CITY WICHITA STATE KANSAS ZIP 67202

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 \$ 1645.70
 DISCOUNT \$ 246.85
 NET \$ 1398.85

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 KANSAS CRIP COMM
 1997 FEB 19 2:20
 IF PAID IN 30 DAYS

SIGNATURE Mark D. Elsen - MARK ELSER

ALLIED CEMENTING CO., INC.

6590

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

ORIGINAL

SERVICE POINT: med. lodge

DATE 1-1-97	SEC. 19	TWP. 24S	RANGE 17W	CALLED OUT 8:30 P.M.	ON LOCATION 1:00 A.M.	JOB START 2:30 A.M.	JOB FINISH 4:15 A.M.
LEASE Jenkins	WELL# 2-19	LOCATION Brenham Elevator - 1/4W-6/2S-			COUNTY RICHLAND	STATE KS.	

OLD OR NEW (Circle one)

CONFIDENTIAL

CONTRACTOR Mallard Drig.
 TYPE OF JOB Rotary Plug
 HOLE SIZE 7 7/8 T.D. 5000'
 CASING SIZE 2 5/8 x 24 DEPTH 364
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 x hole DEPTH 1110'
 TOOL DEPTH
 PRES. MAX 250 MINIMUM 100
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.

OWNER Cross Bar Petroleum
 CEMENT

AMOUNT ORDERED 1355 x 5.60/40/1
6% GEL

RELEASED

COMMON SEP @ 25 1990
 POZMIX @
 GEL @
 CHLORIDE HCC @
 @
 @
 @
 @
 @
 @

FROM CONFIDENTIAL

FEB 18

CONFIDENTIAL

HANDLING @
 MILEAGE @

TOTAL

EQUIPMENT

PUMP TRUCK CEMENTER Larry D.
 # 257-205 HELPER Carl B.
 BULK TRUCK
 # 242 DRIVER Shane W.
 BULK TRUCK
 # DRIVER

REMARKS:

SERVICE

505 x 5.60 1110'
505 x 5.60 364'
105 x 5.60 40'
105 x 5.60 mouse hole
1.55 x 5.60 Rat hole
Cemented 13/1.355 x 5.60/40/1.6% gel

DEPTH OF JOB 1110'
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE @
 MILEAGE @
 PLUG 2 5/8 Dry Hole @
 @
 @

TOTAL

CHARGE TO: Cross Bar Petroleum
 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 Mark Elsen MARK ELSEN

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.

TELEPHONE:

AREA CODE 913 483-2627
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

Federal Tax I.D.# 48-0727860

Surface

TO: Cross Bar Petroleum
151 N. Main, Suite #630
Wichita, KS 67202

ORIGINAL

CONFIDENTIAL

INVOICE NO. 74138
PURCHASE ORDER NO. _____
LEASE NAME Jenkins 2-19
DATE 12-22-96

SERVICE AND MATERIALS AS FOLLOWS:

Common 135 sks @\$6.10	\$823.50	RELEASED	
Pozmix 90 sks @\$3.15	283.50	SEP 25 1998	
Gel 4 sks @\$9.50	38.00		
Chloride 7 sks @\$28.00	196.00		
FloSeal 56# @\$1.15	<u>64.40</u>	FROM CONFIDENTIAL	\$1,405.40
Handling 225 sks @\$1.05	236.25		
Mileage (37) @\$.04¢ per sk per mi	333.00		
Surface	445.00		
Extra Footage 64' @\$.41¢	26.24		
Mi @\$2.85 pmp trk chg	105.45		
1 plug	<u>90.00</u>		1,235.94

If Account CURRENT a
Discount of \$ 405.35
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

1 Centralizer-----\$61.00 61.00

Total **FILE** \$2,702.34

Thank You!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

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—**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 1-1-97 District Mad. Lodge Ticket No. 6590
 Company Cross Bar Petroleum Rig Mallard
 Lease Stinking Well No. 2-19
 County Ricoma State KS.
 Location Branham Elevator Field 19-245-176
200-1025-1200-3/4

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

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 5/8 Type 1355 Weight 24 Collar _____

LEAD: Pump Time _____ hrs. Type CLASS A
60/40/1 1/4 GEL Excess _____
 Amt. 135 Sks Yield 1.58 ft³/sk Density 13.8 PPG _____

TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG _____
 WATER: Lead 7.8 gals/sk Tail _____ gals/sk Total 25 Bbls. _____

Casing Depths: Top 364 Bottom SEP 25 1990

Pump Trucks Used 265 (A.M.L.B.)
 Bulk Equip. 242 Shane W.

RELEASED
FROM CONFIDENTIAL

Drill Pipe: Size 4 1/2 Weight 16.66 Collars x hole
 Open Hole: Size 7 7/8 T.D. 5000 ft. P.B. to _____ ft.

Float Equip: Manufacturer FEB 1 0

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.6474
 Bbls/Lin. ft. .0440 Lin. ft./Bbl. 22.72

Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top wooden Btm. _____

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

Special Equip. _____
 Disp. Fluid Type mixt-H₂O Amt. 11 Bbls. Weight 92.8 PPG _____
 Mud Type Chemical Weight 9.2 PPG _____

COMPANY REPRESENTATIVE _____

CEMENTER Willie Livingston

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE-CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
2:40	250		9		4	Pipe set 1110' Start H ₂ O PAD
			14		5	Start Cement 56sks. 60/40/6
			5		5	Start H ₂ O SPACER
			5		5	Start mud
2:50	200		9		4	mud in. Stop Pumps.
2:58	150		6		4	Pipe set 390' Start H ₂ O PAD
			14		5	Start Cement 56sks. 60/40/6
			1		2	Start H ₂ O SPACER
3:35	75		2		3	Start mud
						mud in. Stop Pumps
3:50	50		3		5	40' 1 1/2 svs.
3:53	50		3		3	close hole 1/2 svs.
3:58	50		4		3	DATE 10/1/55 svs
						Cemented w/ 1355sks. 60/40/1 1/4 GEL