

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

API NO. 15- 033-209320000
County Comanche County, Kansas
25'E - NW - SE - NW Sec. 3 Twp. 33S Rge. 19 XX^E

Operator: License # 3882

1650 Feet from S (circle one) Line of Section

Name: Samuel Gary Jr. & Associates

1675 Feet from E (circle one) Line of Section

Address 1670 Broadway - Suite 3300

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

City/State/Zip Denver Colorado 80202

Lease Name Willems Well # 3-6X

Purchaser: NA

Field Name Colter West

Operator Contact Person: Tom Fertal

Producing Formation Mississippian

Phone (303) 831-4673

Elevation: Ground 1936' KB 1949'

Contractor: Name: Duke Drilling Co., Inc.

Total Depth 6220' PSTD 5358'

License: 5929

Amount of Surface Pipe Set and Cemented at 667.82 Feet

Wellsite Geologist: Dale Padgett

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cat.

Drilling Fluid Management Plan ALT L JW 10-29-97
(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:

RELEASED

Operator:

Chloride content ppm Fluid volume bbls

Well Name:

OCT 6 1998

Deaerating method used

Comp. Date - Old Total Depth

FROM CONFIDENTIAL KANSAS CORPORATION COMMISSION

RECEIVED

KCC

8-21-97

AUG 19

 Deepening Re-perf. Conv. to Inj/SWD

Operator Name

AUG 21 1997

CONFIDENTIAL

 Plug Back PSTD

Lease Name License #

 Commingled Docket No.

Quarter CONSERVATION DIVISION S Rng. E/W

WICHITA, KS

 Dual Completion Docket No.

County Docket No.

 Other (SWD or Inj) Docket No.

04-26-97 05-10-97 05-10-97

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 Thomas Fertal

Title Geologist Date Aug. 19, 1997

Subscribed and sworn to before me this 19th day of August 19 97.

Notary Public Janice D. Harmon

Date Commission Expires MY COMMISSION EXPIRES: January 30, 1999

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 type="checkbox"/>	Geologist Report Received	
Distribution		
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other
(Specify)		

Operator Name Samuel Gary Jr. & Associates

Lease Name Willems

Well # 3-6X

Sec. 3 Twp. 33S Rge. 19

East

County Comanche County, Kansas

West

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 type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lansing	4380'	-2431'
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Marmaton	4926'	-2977'
List All E.Logs Run:		Pawnee	4982'	-3033'
Compensated Neutron-Density		Mississippian	5118'	-3169'
Array Induction		Osage	5468'	-3519'
Compensated Sonic		Viola	5870'	-3929'
Micri-Resistivity		Simpson	6108'	-4159'
		Arbuckle	6176'	-4227'

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
Conductor	17-1/2"	13-3/8"	54.5#	131.72'	Lite Class A	50 175	3%cc 3%cc 2%gel
Surface	12-1/4"	8-5/8"	24#	667.82'	ALWT Class A	225 100	6%gel 3%cc 3%cc 2%gel
Production	7-7/8"	5-1/2"	15.5#	5358'	50/50 Poz	350	0.3% KOL-SEAL 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	6048'			
<input checked="" type="checkbox"/> Plug Back TD	6188'	C1 H	40	Neat
<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
4	5142-5146' 5163-5169 5178-5212	none	

TUBING RECORD	Size 2 3/8	Set At 5097'	Packer At 5097	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	5-30-97 SI	Producing Method	<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil 0	Bbls.	Gas 600	Mcf 0
			Water 0	Bbls.
			Gas-Oil Ratio	Gravity

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (if vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled	5142'-5146'
NA	<input type="checkbox"/> Other (Specify)	5163'-5169'
		5178'-5212

ALLIED CEMENTING CO., INC.

6492

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

ORIGINAL

SERVICE POINT:

med. lodge

DATE 4-27-97	SEC. 3	TWP. 33	RANGE 19W	CALLED OUT 10:30 A.M.	ON LOCATION 11:00 P.M.	JOB START 1:40 P.M.	JOB FINISH 2:15 P.M.
LEASE willoms	WELL # 3-6 X	LOCATION Protection 6E-3/4N-E/S			COUNTY Comanche	STATE KS.	
OLD OR <u>NEW</u> (Circle one)							

CONFIDENTIAL

CONTRACTOR Duke #7 OWNER SAM GARY JR. + ASSOC.

TYPE OF JOB Csg. Squeeze

CEMENT

HOLE SIZE 17 1/2 T.D. 159

CASING SIZE 13 3/8 x 54.5 DEPTH 115'

AMOUNT ORDERED 2000sxs. CLASS A + 2% Gel
2% CALP + 10% Gyp-Seal

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 150 MINIMUM 100

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

COMMON A 200 @ 6.10 1220.00

POZMIX @

GEL 4 @ 9.30 38.00

CHLORIDE 5 @ 28.00 140.00

Gyp-Seal 19 @ 17.85 339.15

@

@

@

@

HANDLING 200 @ 1.05 210.00

MILEAGE 200 x 48 .04 384.00

ncc

EQUIPMENT

PUMP TRUCK CEMENTER Larry Dreiling

233-302 HELPER Carl Balding

BULK TRUCK

242 DRIVER John Kelley

BULK TRUCK RELEASED

DRIVER

OCT 6 1998

AUG 19

TOTAL \$2331.15

REMARKS: FROM CONFIDENTIAL SERVICE

Csg. Set 115', Start Fresh H₂O
w/5 Bbls. Cement 2000sxs. CLASS A
10% Gypseal + 2% CALP + 2% Gel.
Cement In. Displace w/ 1 1/2 Bbls
Fresh H₂O. Shut. In. Cement Did
Not Circ.

DEPTH OF JOB 115'

PUMP TRUCK CHARGE 0-300' 445.00

EXTRA FOOTAGE @

MILEAGE 48 @ 2.85 n/c

PLUG @

@

@

TOTAL \$445.00

CHARGE TO: SAM GARY JR. + ASSOCIATES
STREET 1670 Broadway Suite 3300
CITY Denver STATE Co. ZIP 80203

FLOAT EQUIPMENT

RECEIVED @

KANSAS CORPORATION COMMISSION @

@

AUG 21 1997 @

@

CONSERVATION DIVISION
WICHITA, KS

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 \$2776.15
DISCOUNT \$416.42 IF PAID IN 30 DAYS
NET \$2359.73

SIGNATURE [Signature]

TELEPHONE:
AREA CODE 913 463-2827
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

Federal Tax I.D.# 48-0727860

ORIGINAL

TO: Sam Gary Jr. & Associates
1670 Broadway, #3300
Denver, CO 80203

RELEASED
OCT 6 1998

INVOICE NO. 74979
PURCHASE ORDER NO. _____
LEASE NAME Willems 3-6 X
DATE 4-27-97

FROM CONFIDENTIAL

SERVICE AND MATERIALS AS FOLLOWS:

Common 200 sks @\$6.10	\$1,220.00
Gel 4 sks @\$9.50	38.00
Chloride 5 sks @\$28.00	140.00
Gyp Seal 19 @\$17.85	<u>339.15</u>

Handling 200 sks @\$1.05	210.00
Mileage (48) @\$.04¢ per sk per mi	384.00
Squeeze	<u>445.00</u>

Total

6719

KCC

AUG 19

CONFIDENTIAL

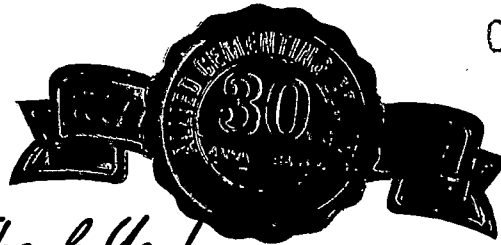
\$1,737.15

1,039.00

\$2,776.15

If Account CURRENT a
Discount of \$ 416.42
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

Thank You!



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

*508 sunk
700/60
JWB*

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 21 1997

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

6493

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

ORIGINAL

SERVICE POINT: med. lodge, ks.

DATE 4-27-97	SEC. 3	TWP. 33s	RANGE 19w	CALLED OUT 8:00 P.M.	ON LOCATION 10:30 AM.	JOB START 1:30 AM.	JOB FINISH 2:45 AM.
LEASE Williams	WELL # 3-6X	LOCATION Protection, 6E-3/4N-E1S			COUNTY Comanche	STATE KS.	
OLD OR <u>NEW</u> (Circle one)				RELEASED			

CONTRACTOR Duke #7 OCT. 6 1998 OWNER SAM GARY JR. + ASSOC.
TYPE OF JOB Surface Csg. CEMENT

HOLE SIZE 12 1/4 T.D. 670'
CASING SIZE 8 5/8 x 24 DEPTH 667'
TUBING SIZE _____ DEPTH _____
DRILL PIPE _____ DEPTH _____
TOOL _____ DEPTH _____
PRES. MAX _____ MINIMUM _____
MEAS. LINE _____ SHOE JOINT 43.52
CEMENT LEFT IN CSG. _____
PERFS. _____

CONFIDENTIAL

AMOUNT ORDERED 225 x/s. ALW + 3% CALL²
1/4# Flo-Seal 100 x/s. CLASS A + 2% Gel
3% CALL²

COMMON A	100	@	6.10	610.00
POZMIX		@		
GEL	2	@	9.50	19.00
CHLORIDE	11	@	28.00	308.00
ALW	225	@	5.65	1271.25
Flo-Seal	56*	@	1.15	64.40
		@		
		@		
HANDLING	325	@	1.05	341.25
MILEAGE	325 x 48		.04	585.00
				624.00

EQUIPMENT

PUMP TRUCK CEMENTER Larry Dreiling
233-302 HELPER Justin Hart
BULK TRUCK
256-252 DRIVER Shane Winsor
BULK TRUCK
_____ DRIVER _____

AUG 19
TOTAL \$ 3198.90
3237.90

CONFIDENTIAL

SERVICE

REMARKS:

Pipe on Bottom - Circ. w/ Rig Pump
mix + Pump. 225 x/s. ALW + 3% CALL²
+ 1/4# Flo-Seal 100 x/s. CLASS A + 2% Gel
3% CALL². Stop Pumps. Release Plug
Displace Plug w/ 40 1/4 Bbls. Fresh H₂O
Bump Plug. Shut to In.
Cement Circ. to Surface

DEPTH OF JOB	667'			
PUMP TRUCK CHARGE	0-300'			445.00
EXTRA FOOTAGE	367'	@	.41	150.47
MILEAGE	48	@	2.85	N/C
PLUG Rubber	8 5/8	@	90.00	90.00
		@		
		@		

TOTAL \$ 535.00
685.47

CHARGE TO: SAM GARY JR. + ASSOCIATES
STREET 1670 Broadway Suite 3300
CITY Denver STATE CO ZIP 80203

FLOAT EQUIPMENT

8 5/8				
1-Baffle Plate		@	135.00	135.00
1-Basket		@	200.00	200.00
		@		
		@		
		@		

TOTAL \$ 335.00

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 21 1997

CONSERVATION DIVISION
WICHITA, KS

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 \$ 4028.90
DISCOUNT \$ 600.23 638.75 IF PAID IN 30 DAYS
NET \$ 3488.67

IGNATURE [Signature]

TELEPHONE:
AREA CODE 913 483-2627
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

ORIGINAL

P. O. BOX 31
RUSSELL, KANSAS 67665

Federal Tax I.D.# 48-0727860

TO: Sam Gary Jr., & Associates
1670 Broadway, #3300
Denver, CO 80203

INVOICE NO. 74980
PURCHASE ORDER NO. _____
BASE NAME Williams 6-X
DATE 4-27-97



SERVICE AND MATERIALS AS FOLLOWS:

Common 100 sks @\$6.10	\$610.00
Gel 2 sks @\$9.50	19.00
Chloride 11 sks @\$28.00	308.00
ALW 225 sks @\$5.65	1,271.25
FloSeal 56# @\$1.15	64.40
<hr/>	
Handling 325 sks @\$1.05	341.25
Mileage (48) @\$.04¢ per sk per mi	624.00
Surface	445.00
Extra Footage 367' @\$.41¢	150.47
1 plug	90.00
<hr/>	

6718

CONFIDENTIAL

\$2,272.65

1,650.72

RELEASED

If Account CURRENT a **OCT 6 1998** 1 Baffle Plate-----\$135.00
 Discount of \$ 638.75 1 Basket----- 200.00
 will be Allowed **ONLY FROM CONFIDENTIAL**
 Paid Within 30 Days from
 Date of Invoice.

Total

\$4,258.37

335.00

Thank You!

AUG 19

CONFIDENTIAL

7/21/60
JWB

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1 1/2 % Charged Thereafter.

RECEIVED
KANSAS CORPORATION COMMISSION

AUG 21 1997

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

ALLIED CEMENTING CO., INC. 6501

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

CONFIDENTIAL

SERVICE POINT: MEDICINE LODGE

DATE <u>5-10-97</u>	SEC. <u>3</u>	TWP. <u>33s</u>	RANGE <u>19W</u>	CALLED OUT <u>10:00 AM</u>	ON LOCATION <u>2:00 PM</u>	JOB START <u>2:30 PM</u>	JOB FINISH <u>2:50 PM</u>
LEASE <u>WHEELS</u>	WELL # <u>3-6 X</u>	LOCATION <u>ADWATER, 5, 3W, 34N, E5</u>			COUNTY <u>COMANCHE</u>	STATE <u>KANSAS</u>	

OLD OR (NEW) (Circle one)

CONTRACTOR DIKE DRIL. #7

TYPE OF JOB PLUG BACK

HOLE SIZE 7 7/8" T.D. 6220'

CASING SIZE 8 5/8" DEPTH 667'

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2" 16.6# DEPTH 6188'

TOOL _____ DEPTH _____

PRES. MAX 700# MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER SAM GARY JR. + ASSOCIATES
CEMENT

AMOUNT ORDERED 40SK CLASS H NEAT

COMMON <u>H 40</u>	@	<u>7.55</u>	<u>302.00</u>
POZMIX _____	@		
GEL _____	@		
CHLORIDE _____	@		
<u>OCT 6 1998</u>	@		
<u>FROM CONFIDENTIAL</u>	@		
HANDLING <u>40</u>	@	<u>1.05</u>	<u>42.00</u>
MILEAGE <u>40 x 48</u>		<u>MINIMUM</u>	<u>80.00</u>
<u>NCC</u>			
AUG 1 9			TOTAL <u>\$1624.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER KEVIN DRUMGARDT

233-302 HELPER JUSTIN HART

BULK TRUCK # 242 DRIVER JAMES FLOTT

BULK TRUCK # _____ DRIVER _____

REMARKS:

SPOT 40SK CLASS H NEAT

PUMP 8 1/2 BBLs H2O

40SK CEMENT

3 BBLs H2O

82 BBLs MUD

CONFIDENTIAL

SERVICE

DEPTH OF JOB <u>6188'</u>		
PUMP TRUCK CHARGE _____		<u>1394.00</u>
EXTRA FOOTAGE _____	@	
MILEAGE <u>48</u>	@	<u>2.85</u> <u>136.80</u>
PLUG _____	@	
_____	@	
_____	@	
TOTAL		<u>\$1530.80</u>

CHARGE TO: SAM GARY JR. + ASSOCIATES

STREET _____

CITY DENVER STATE COLORADO ZIP _____

RECEIVED FLOAT EQUIPMENT
KANSAS CORPORATION COMMISSION

<u>AUG 27 1997</u>	@	
CONSERVATION DIVISION	@	
WICHITA, KS	@	

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 \$1954.80

DISCOUNT \$293.22 IF PAID IN 30 DAYS

NET \$1661.58

SIGNATURE David E Rice

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

ORIGINAL

To: Samuel Gary, Jr., & Associates, Inc.

1670 Broadway, #3300

Denver, CO 80202-4838

INVOICE NO. 75085

PURCHASE ORDER NO. _____

LEASE NAME Willems 3-6 X

DATE 5-10-97

SERVICE AND MATERIALS AS FOLLOWS:

Common H 40 sks @\$7.55

\$302.00

Handling 40 sks @\$1.05

42.00

Mileage min. chg.

80.00

Plug

1,394.00

Mi @\$2.85 pmp trk chg (48)

136.80

\$ 302.00

1,652.80

Total

\$1,954.80

CONFIDENTIAL

NOV

AUG 19

CONFIDENTIAL

If Account CURRENT a
Discount of \$ 293.22
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

Thank You!

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

RECEIVED

MAY 22 1997

SAMUEL GARY JR.
& ASSOCIATES INC.

RELEASED

OCT 6 1998

FROM CONFIDENTIAL

RECEIVED

KANSAS CORPORATION COMMISSION

AUG 21 1997

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC. 6502

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

ORIGINAL SERVICE POINT: MEDICINE LODGE

DATE <u>5-10-97</u>	SEC. <u>3</u>	TWP. <u>33s</u>	RANGE <u>19w</u>	CALLED OUT	ON LOCATION <u>2:00PM</u>	JOB START <u>12:10 AM</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>WILLEMS</u>	WELL # <u>3-6X</u>	LOCATION <u>COLORADO 5, 3w, 34N, E3</u>	COUNTY <u>COMANCHE</u>	STATE <u>KANSAS</u>	OLD OR NEW (Circle one)		

CONTRACTOR DUKE DRUG #7
 TYPE OF JOB PRODUCTION CASTING
 HOLE SIZE 7 7/8" T.D. 7UG BACK 6048'
 CASING SIZE 5 1/2" 156# DEPTH 5361'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 1500# MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 42.50'
 CEMENT LEFT IN CSG. _____
 PERFS. _____

OWNER SAM GARY JR. & ASSOCIATES
CEMENT

AMOUNT ORDERED 500 BAGS MUD CLEAN
350.00 H 50:50:2 +10% DIT
+5# KOL-SEAL +.5% FL-62

COMMON H	175	@	7.55	1321.25
POZMIX	175	@	3.15	551.25
GEL	6	@	9.50	57.00
CHLORIDE		@		
SALT	35	@	7.00	245.00
KOL-SEAL	1750#	@	.38	665.00
FL-62	147#	@	5.38	790.86
CLAPRO	13	@	22.90	297.70
MUD CLEAN	500 BAGS	@	.75	375.00
HANDLING	350	@	1.05	367.50
MILEAGE	350 X 48		.04	672.00

EQUIPMENT **CONFIDENTIAL**

PUMP TRUCK CEMENTER JUSTIN PRUNGARD
 #233-302 HELPER JUSTIN HART
 BULK TRUCK DRIVER JAMES ADLI
 #259-314 DRIVER JAMES ADLI
 BULK TRUCK DRIVER _____
 # _____ DRIVER _____

REMARKS: FROM CONFIDENTIAL

KCC AUG 19 TOTAL \$5342.56

CONFIDENTIAL SERVICE

Run 5 1/2" 156# + BREAK CIRCULATION
PUMP 500 BAGS MUD CLEAN
PLUG RAT + MUD HOLES / 50:50:2 - 25ex
MIX 3250 50:50:2
DISPLACE PLUG WITH 12800 BBS.
2nd KOL WATER
FLOAT HELD!

DEPTH OF JOB	5361'		
PUMP TRUCK CHARGE			1329.00
EXTRA FOOTAGE		@	
MILEAGE	48	@	2.85 N/C
PLUG	5 1/2" TRP	@	50.00 50.00
		@	
		@	

TOTAL \$1279.00

CHARGE TO: SAM GARY JR. & ASSOCIATES
 STREET _____
 CITY DENVER STATE COLORADO

FLOAT EQUIPMENT

1-REG. GUIDE SHOE	160.00	160.00
1-ATV FLOAT COLLAR	@ 298.00	298.00
1-BASKET	@ 142.00	142.00
1-STOP RING	@ 20.00	20.00
12-CENTRALIZERS	@ 56.00	672.00
1-THREAD LOCK KEY	@ 30.00	30.00

TOTAL \$1322.00

RECEIVED

MAY 22 1997

SAM GARY JR. & ASSOCIATES INC.

RECEIVED KANSAS CORPORATION COMMISSION

AUG 21 1997

CONSERVATION DIVISION WICHITA, KS

TAX _____

TOTAL CHARGE \$7943.56
 DISCOUNT \$1191.53 IF PAID IN 30 DAYS
 NET \$6752.03

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 David E Rice

ORIGINAL

TELEPHONE:
AREA CODE 913 483-2427
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

Federal Tax I.D.# 48-0727860

TO: Samuel Gary, Jr., & Associates, Inc.

INVOICE NO. 75086

1670 Broadway, ST #3300

PURCHASE ORDER NO. _____

Denver, CO 80202-4838

CONFIDENTIAL

LEASE NAME Willems 3-6 X

DATE 5-10-97

6693

SERVICE AND MATERIALS AS FOLLOWS:

Common H 175 sks @\$7.55	\$1,321.25
Pozmix 175 sks @\$3.15	551.25
Gel 6 sks @\$9.50	57.00
Salt 35 sks @\$7.00	245.00
Kol-Seal 1750# @\$.38	665.00
FL-62 147# @\$5.38	790.86
Clapro 13 gal @\$22.90	297.70
Mud Clean 500 gal @\$.75c	375.00

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Handling 350 sks @\$1.05	367.50
Mileage (48) @\$.04c per sk per mi	672.00
Production Casing	1,229.00
1 plug	50.00

750/32

JN Benton

\$4,303.06

2,318.50

KCC

AUG 19

CONFIDENTIAL

If Account CURRENT a
Discount of \$ 1,191.53
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

1 Guide Shoe-----	\$160.00
1 AFU Float Collar-----	298.00
1 Basket-----	142.00
1 Stop Ring-----	20.00
12 Centralizers-----	672.00
1 Thread Lock Kit-----	30.00

1,322.00

Thank You!

Total

\$7,943.56

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

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FROM CONFIDENTIAL

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KANSAS CORPORATION COMMISSION

AUG 21 1997

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC. 6447

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

ORIGINAL

SERVICE POINT: MEDICINE LODGE

DATE <u>4-26-97</u>	SEC. <u>3</u>	TWP. <u>33s</u>	RANGE <u>19w</u>	CALLED OUT <u>2:30PM</u>	ON LOCATION <u>4:30PM</u>	JOB START <u>10:25PM</u>	JOB FINISH <u>10:45PM</u>
LEASE <u>WILHELM</u>		WELL# <u>3-6X</u>	LOCATION <u>PROTECTION 6E, 314N, E15</u>		COUNTY <u>COMANCHE</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR DUKE DRILG #17

TYPE OF JOB CONDUCTOR

HOLE SIZE 17 1/2" TD. 159'

CASING SIZE 13 3/8" S-4.5" DEPTH 131'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 300# MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 15'

PERFS. _____

CONFIDENTIAL

OWNER SAM GARY JR. & ASSOC.

AMOUNT ORDERED

<u>50SL 6S:3S:6 + 3% CAS + 1/4# FIO-SEAL</u>			
<u>175SL CLASS A + 3% CAS + 2% CAS</u>			
COMMON A <u>175</u>	@ <u>6.10</u>		<u>1067.50</u>
POZMIX _____	@ _____		
GEL <u>3</u>	@ <u>9.50</u>		<u>28.50</u>
CHLORIDE <u>8</u>	@ <u>28.00</u>		<u>224.00</u>
<u>ALW 50</u>	@ <u>5.65</u>		<u>282.50</u>
<u>FIO-SEAL 12#</u>	@ <u>1.15</u>		<u>13.80</u>
_____	@ _____		
_____	@ _____		
HANDLING <u>225</u>	@ <u>1.05</u>		<u>236.25</u>
MILEAGE <u>225 x 48</u>	@ <u>.04</u>		<u>432.00</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>KEVIN BRUNGARDT</u>
# <u>233-302</u>	HELPER <u>JUSTIN HART</u>
BULK TRUCK	
# <u>256-252</u>	DRIVER <u>SHANE WENGERD</u>
BULK TRUCK	
# _____	DRIVER _____

AUG 19

TOTAL \$2284.55

CONFIDENTIAL

REMARKS: FROM CONFIDENTIAL SERVICE

RUN 13 3/8" CG. + BREAK CEMENTATION

MIX 50SL ALW + 3% CAS + 1/4# FIO-SEAL

175SL CLASS A + 3% CAS + 2% CAS

CEMENT DED GRADUATE!

DEPTH OF JOB <u>131'</u>		
PUMP TRUCK CHARGE <u>0-300'</u>		<u>445.00</u>
EXTRA FOOTAGE _____	@ _____	
MILEAGE <u>48</u>	@ <u>2.85</u>	<u>136.80</u>
PLUG _____	@ _____	
_____	@ _____	
_____	@ _____	

TOTAL \$581.80

CHARGE TO: SAM GARY JR. & ASSOCIATES

STREET 1670 Broadway Suite 3300

CITY Denver STATE Co. ZIP 80203

FLOAT EQUIPMENT

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

TOTAL _____

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KANSAS CORPORATION COMMISSION

AUG 21 1997

CONSERVATION DIVISION
WICHITA, KS

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 \$2866.35

DISCOUNT \$429.95 IF PAID IN 30 DAYS

NET \$2436.40

SIGNATURE X Kenneth M. Lina

TELEPHONE:
AREA CODE 913 483-2627
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

Federal Tax I.D.# 48-0727860

TO: Sam Gary Jr. & Associates

1670 Broadway, #3300

Denver, CO 80203

INVOICE NO. 74978

PURCHASE ORDER NO. _____

LEASE NAME ~~XXXXXXXXXXXXXXXXXXXX~~

DATE 4-26-97

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MAY 8 1997
SAMUEL GARY JR.
& ASSOCIATES INC.
6717

SERVICE AND MATERIALS AS FOLLOWS:

CONFIDENTIAL

Common 175 sks @\$6.10	\$1,067.50	
Gel 3 sks @\$9.50	28.50	
Chloride 8 sks @\$28.00	224.00	
ALW 50 sks @\$5.65	282.50	
FloSeal 12# @\$1.15	13.80	\$1,616.30
Handling 225 sks @\$1.05	236.25	
Mileage (48) @\$.04¢ per sk per mi	432.00	
Conductor	445.00	
Mi @\$2.85 pmp trk chg	136.80	1,250.05
Total		\$2,866.35

If Account CURRENT a
Discount of \$ 429.95
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice:



KCC
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CONFIDENTIAL
CAT SURF
700/60
JKB

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

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AUG 21 1997

CONSERVATION DIVISION
WICHITA, KS

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Samuel Gary Jr. & Assoc.

DATE 05-05-97

WELL NAME: Willems #3-6 X

KB 1949.00 ft

TICKET NO: 9709

DST #1

LOCATION : Sec.03 Twp.33s Rge.19w Ks

GR 1936.00 ft

FORMATION: Ft. Scott

INTERVAL : 4992.00 To 5028.00 ft

TD 5028.00 ft

TEST TYPE: CONV

CONFIDENTIAL

15-033-20932

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 10 Rec.	10248	10248	3030			PF Fr. 1113 to 1123 hr
SI 90 Range (Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1123 to 1253 hr
SF 75 Clock (hrs)	12hr.	12hr.	Elec			SF Fr. 1253 to 1408 hr
FS 175 Depth(ft)	5025.0	5025.0	4998.0	0.0	0.0	FS Fr. 1408 to 1703 hr

	Field	1	2	3	4	
A. Init Hydro	2464.0	2464.0	2470.0	0.0	0.0	T STARTED 0919 hr
B. First Flow	55.0	64.0	36.0	0.0	0.0	T ON BOTM 1109 hr
B1. Final Flow	46.0	58.0	36.0	0.0	0.0	T OPEN 1113 hr
C. In Shut-in	1826.0	1828.0	1840.0	0.0	0.0	T PULLED 1703 hr
D. Init Flow	57.0	67.0	40.0	0.0	0.0	T OUT 1940 hr
E. Final Flow	80.0	79.0	69.0	0.0	0.0	
F. Fl Shut-in	1856.0	1833.0	1857.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2378.0	2406.0	2419.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 81000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 74000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 180.00 ft
						D.P. Length 4793.00 ft

RECOVERY

Tot Fluid 140.00 ft of 140.00 ft in DC and 0.00 ft in DP
 140.00 ft of Watery Mud
 0.00 ft of 17%water 83% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of
 0.00 ft of EST. FT. OF PAY-----3
 SALINITY 8000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow, bottom of bucket in 20sec

Initial Shut In:
 Fair to strong blow
 {Gas to Surface in 20 mins

Final Flow:
 Strong blow, SEE GAS VOLUME REPORT

Final Shut In:
 Fair to strong blow.

SAMPLES: Gas sample
 SENT TO: Caraway / Liberal Ks

Test Successful: Y

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CONSERVATION DIVISION
 WICHITA, KS

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/cf
Vis.	49.00 S/L
W.L.	12.00 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	1.00 ft
Btm. H. Temp.	117.00 F
Hole Condition	good
% Porosity	12.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Rice / Padgett
Contr.	Duke Drlg.
Rig #	7
Unit #	
Pump T.	

RELEASED

OCT 6 1998

FROM CONFIDENTIAL

ORIGINAL

WELL NAME: Willems #3-6X

LOCATION : Sec.03 Twp.33s Rge.19w Ks

TICKET No. 9709 D.S.T. No. 1 DATE 05-05-97

TOTAL TOOL TO BOTTOM OF TOP PACKERS 29

INTERVAL TOOL

TOTAL PACKERS AND ANCHOR 36

TOTAL TOOL 65

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STAND.Stands Single Total

D.P. ANCHOR STAND.Stands Single Total

TOTAL ASSEMBLY 65

D.C. ABOVE TOOLS.Stands3 Single Total 180

D.P. ABOVE TOOLS.Stands77 Single Total 4793

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5038

TOTAL DEPTH 5028

TOTAL DRILL PIPE ABOVE K.B. 10

REMARKS:

FLUID SAMPLER DATA

GAS----- 1.85 Cubic Ft.
 OIL----- none ML.
 MUD----- 500 ML.
 WATER----- 50 ML.
 OTHER----- ML.
 PRESSURE----- 105 PSI
 RESISTANCE----- 1.05 OHMS @
 TEMPERATURE----- 62 DEGREES F
 CHLORIDES----- 8000 ppm.

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CONSERVATION DIVISION
 WICHITA, KS

P.O. SUB	
C.O. SUB Top of tool @	4963
S.I. TOOL H & T	4969
Sampler	4972
HMV Sterling	4977
JARS Sterling	4981
CONFIDENTIAL	
SAFETY JOINT Bowen	4983
PACKER Top	4987
PACKER Bottom	4992
DEPTH	4992
STUBB 1'	4993
ANCHOR	
perfs	
Alpine rec. @	4998
KCC AUG 19 CONFIDENTIAL	
T.C. DEPTH	
30 ft. perfs to	5023
AK-1 rec. @	5025
BULLNOSE 5' Perforated to T.D.	5028

GAS RECOVERY

COMPANY: Samuel Gary Jr. & Assoc.

DATE: 05-05-97

WELL NAME: Willems #3-6 X

KB Elev: 1949.00 ft TICKET #9709 DST #1

WELL LOCATION: Sec.03 Twp.33s Rge.19w Ks

GR Elev: 1936.00 ft FORMATION: Ft. Scott

INTERVAL Fr.: 4992.00 To 5028.00 T.D.: 5028.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Adjusting Choke

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	6	0	51000.0
20	0.38	10	0	65300.0
30	0.38	12	0	72600.0
40	0.38	14	0	79700.0
50	0.38	16	0	86800.0
60	0.38	17	0	90000.0
70	0.38	19	0	97200.0
75	0.38	20	0	100000.0

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OCT 6 1998

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KANSAS CORPORATION COMMISSION

AUG 21 1997

CONSERVATION DIVISION
WICHITA, KS

TEST HISTORY

9709 DST#1 WILLEMS #3-6 S.GARY JR. & ASSOC.

X

Flag Points

t (Min.) P (PSig)

A1	0.00	2470.48
B1	0.00	36.29
C1	2.00	35.55
D1	90.00	1840.01
E1	0.00	39.52
F1	73.00	68.98
G1	176.00	1856.77
Q1	0.00	2418.85

