

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

API No. 15- 033-20984-0000

County COMANCHE

C - NW - NE - SW Sec. 3 Twp. 33S Rge. 19 X W

2310 Feet from South Line of Section

1650 Feet from West Line of Section

Footages calculated from nearest outside section corner: SW

Lease Name WILLEMS Well # 3-11

Field Name COLTER WEST

Producing Formation MISSISSIPPIAN

Elevation: Ground 1947 KB 1960

Total Depth 5400 PBDT 5331

Amount of Surface Pipe Set and Cemented at 638 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 cmt.

Drilling Fluid Management Plan Att. 1, 3-26-99 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 12,000 ppm Fluid Volume 4800 bbls

Dewatering method used HAULED FREE WATER TO DISPOSAL

Location of fluid disposal if hauled offsite: SEE BELOW

Operator Name KBW OIL & GAS

Lease Name HARMON #1 SWD

C NW/4 Quarter Sec. 11 Twp. 33S Rng. 20 W

County COMANCHE Docket No. CD 98329

Operator: License # 3882

Name: SAMUEL GARY JR. & ASSOCIATES, INC.

Address 1670 BROADWAY

SUITE 3300

City/State/Zip DENVER, CO 80202-4838

Purchaser: PG&E

Operator Contact Person: TOM FERTAL

Phone (303) 831-4673

Contractor: Name: DUKE DRILLING CO., INC.

License: 5929

Wellsite Geologist: DALE PADGETT

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-Perf. Conv. To Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

12/8/98 12/17/98 1/11/99
Spud Date Date Reached TD Completion Date

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RECEIVED
STATE CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
MARCH 22 1999

INSTRUCTIONS: An original and two copies of this information shall be filed with the Kansas Corporation Commission, 130 South Market, Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-196 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 geological well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 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 an the statements herein are complete and correct to the best of my knowledge.

Signature Thomas Fertal

Title SENIOR GEOLOGIST Date 3/18/99

Subscribed and sworn to before me this 18th day of March, 1999

Notary Public Cherie O'Shea

Date Commission Expires 8-24-02

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
KCC _____ SWD/Rep _____ NGPA _____
KCS _____ Plug _____ Other _____
(Specify)
RELEASED
MAR 18 2001

15-033-20984-0000

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ORIGINAL

Operator Name SAMUEL GARY JR & ASSOCIATES, INC. Lease Name WILLEMS Well # 3-11

Sec. 3 Twp. 33S Rge. 19 East West County COMANCHE

Instructions: Show important tops and base of formation 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum Name Top	<input type="checkbox"/> Sample Datum
Sample Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		STONE CORRAL 936	+1024
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		WABAUNSEE 3356	-1396
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		BASE HEEBNER SHALE 4235	-2275
				LANSING 4411	-2451
				MARMATON 4956	-2996
				CHEROKEE SHALE 5062	-3102
				TOP MISSISSIPPIAN 5161	-3201

List all E. Logs Run: DUAL INDUCTION
NEUTRON DENSITY
SONIC LOG
MICRO LOG

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CASING RECORD <input type="checkbox"/> New <input checked="" 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
CONDUCTOR	28"	16"		150'	GROUT		
SURFACE	12-1/4"	8-5/8"	24	638'	CLASS A & ALW	400	2% GEL, 3% CC & 1/4#/SK FLOCELE
PRODUCTION	7-7/8"	5-1/2"	15.5 & 17	5398	MIDCON II	200	2% CC, 1/2# FLOCELE & 7# GILSONITE

MAR 22 1999
3-22-99
CONSERVATION DIVISION
Wichita, Kansas

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	# Sacks Used	Type and Percent Additives
	Top	Bottom			
<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
	4	5238-47', 5249-52'		3,500 GAL 15% DSFe	

TUBING RECORD		Size	Set At	Packer At	Liner Run	
		2-3/8"	5201'	5197'	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.			Producing Method			
1/12/99			<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 Bbls.	Gas	Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	TRACE	500		TRACE		

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: 5238-52'

RELEASED
MAR 18 2001

FROM CONFIDENTIAL

ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

9837
ORIGINAL

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

SERVICE POINT:
Med. Lodge, Ks.

CONFIDENTIAL

DATE 12-9-98	SEC. 3	TWP. 33S	RANGE 19W	CALLED OUT 12:00A.M.	ON LOCATION 2:30A.M.	JOB START 6:00A.M.	JOB FINISH 8:15A.M.
LEASE/Williams	WELL# 3-11	LOCATION Coldwater, 5S-3W-3/4N			COUNTY Comanche	STATE KS.	
OLD OR NEW (Circle one)			1/4S				

CONTRACTOR Duke Drilling Co.
 TYPE OF JOB Surface CSG.
 HOLE SIZE 12 1/4 T.D. 645'
 CASING SIZE 8 5/8 x 24 DEPTH 638
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 x hole DEPTH _____
 TCOL _____ DEPTH _____
 PRES. MAX 300 MINIMUM 100
 MEAS. LINE _____ SHOE JOINT 38.00
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT 39 Bbls Fresh H₂O

EQUIPMENT

PUMP TRUCK CEMENTER Harry Dreiling
 #257-265 HELPER Kevin B.
 BULK TRUCK
 #258-252 DRIVER Mark B.
 BULK TRUCK
 # _____ DRIVER _____

OWNER Sam Gary Fr + Assoc.
CEMENT
 AMOUNT ORDERED 200sxs. ALLW + 3% CALI²
1/4# Flo-Seal 200sxs. CLASS A + 2% Gel
3% CALI²
 COMMON A 200 @ 6.35 1270.00
 POZMIX _____ @ _____ _____
 GEL 4 @ 9.50 38.00
 CHLORIDE 14 @ 28.00 392.00
ALLW 200 @ 6.00 1200.00
Flo-Seal 50# @ 1.15 57.50
 _____ @ _____ _____
 _____ @ _____ _____
 HANDLING 400 @ 1.05 420.00
 MILEAGE 400 x 45 .04 720.00
KCC TOTAL \$4097.50

REMARKS:

Loss Circ. Pipe on Bottom
Pump Capacity / Csg. mix + Pump
200sxs. ALLW + 3% CALI² + 1/4# Flo-seal
100sxs. CLASS A + 3% CALI² + 2% Gel.
Release Plug, Pump + Displace Plug
w/ 39 Bbls Fresh H₂O. Pump Plug. Shut In.
Cement Did not Circ. Ron 1" to 120'
Cement 100sxs. CLASS A + 3% CALI² + 2% Gel
Cement Circ. to surface.

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DEPTH OF JOB 638'
 PUMP TRUCK CHARGE 0-300' 470.00
 EXTRA FOOTAGE 338 @ .43 145.34
 MILEAGE 45 @ 2.85 128.25
 PLUG 8 5/8 Top Rubber @ 90.00 90.00
 _____ @ _____ _____
 _____ @ _____ _____

RECEIVED
STATE CORPORATION COMMISSION

TOTAL \$833.99

CHARGE TO: Sam Gary Fr + Assoc. MAR 22 1999
 STREET _____
 CITY _____ STATE _____
 3-22-99
 OBSERVATION DIVISION
 INTEREST, KANSAS

FLOAT EQUIPMENT

1-Baffle Plate @ 135.00 135.00
2-Centerlizers @ 6.00 122.00
2-Baskets @ 200.00 400.00
 _____ @ _____ _____
 _____ @ _____ _____

TOTAL \$657.00

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.

FROM CONFIDENTIAL

TAX _____
 TOTAL CHARGE \$5588.09
 DISCOUNT 838.21 IF PAID IN 30 DAYS
 NET \$4749.88

SIGNATURE X T.C. Larson

X T.C. LARSON
 PRINTED NAME

15-033-20984-0000

***** ORIGINAL *****

ALLIED CEMENTING CO., INC.

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

CONFIDENTIAL

* INVOICE *

Invoice Number: 078671

Invoice Date: 12/15/98

Sold Samuel Gary, Jr. & Assoc.
To: % Larson Engineering, Inc.
562 W. Highway #4
Olmitz, KS
67561-8561

KCC

MAR 18 1999

CONFIDENTIAL

V17875

Cust I.D.: Gary
P.O. Number...: Willems #3-11
P.O. Date.....: 12/15/98

Due Date.: 01/14/99
Terms.....: Net 30

Item I.D./Desc.	Qty. Used	Unit	Price	Net	TX
Common	200.00	SKS	6.3500	1270.00	E
Gel	4.00	SKS	9.5000	38.00	E
Chloride	14.00	SKS	28.0000	392.00	E
ALW	200.00	SKS	6.0000	1200.00	E
FloSeal	50.00	LBS	1.1500	57.50	E
Handling	400.00	SKS	1.0500	420.00	E
Mileage (45)	45.00	MILE	16.0000	720.00	E
400 sks @ .04 per sk per mi					
Surface	1.00	JOB	470.0000	470.00	E
Extra Footage	338.00	PER	0.4300	145.34	E
Mileage pmp trk	45.00	MILE	2.8500	128.25	E
Top rubber plug	1.00	EACH	90.0000	90.00	E
Baffle Plate	1.00	EACH	135.0000	135.00	E
Centralizers	2.00	EACH	61.0000	122.00	E
Baskets	2.00	EACH	200.0000	400.00	E

All Prices Are Net, Payable 30 Days Following
Date of Invoice. 1 1/2% Charged Thereafter.
If Account CURRENT take Discount of \$838.21
ONLY if paid within 30 days from Invoice Date

Subtotal: 5588.09
Tax.....: 0.00
Payments: 0.00
Total....: ~~5588.09~~

4749.88

AFE # Willems #3-11
ACCT # 700/60
APPROVED BY T.C. Larson

ORIGINAL

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046 Corporate FIN 73-0271280



15-033-20984-0000 HALLIBURTON

ORIGINAL

INVOICE

CONFIDENTIAL

HALLIBURTON ENERGY SERVICES A Division of Halliburton Company

INVOICE NO.	DATE
460178	12/20/19

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
WILLEMS 3-11	COMANCHE	KS	SAME <i>V18168</i>		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
PRATT	DUKE DRILLING #7	SHOWN BELOW	12/20/19		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE N
315450	T C LARSON			COMPANY TRUCK	496

SAM GARY JR. & ASSOC. 1670 BROADWAY, SUITE 3300 DENVER, CO 80202-4838

KCC

MAR 18 1999

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DIRECT CORRESPONDENCE TO:

P O BOX 963 PRATT KS 67124 316-672-5593

Willems #3-11

AFE #

137 750/32

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT PRODUCTION CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	150	MI	3.65	547.50
		1	UNT		
000-119	MILEAGE FOR CREW	150	MI	2.15	N/C
		1	UNT		
001-016	CEMENTING CASING	5398	FT	2,422.00	2,422.00
		1	UNT		
018-317	SUPER FLUSH	24	SK	112.00	2,688.00
030-016	CEMENTING PLUG SW ALUM TOP	5.5	IN	66.00	66.00
		1	EA		
019-241	CASING SWIVEL W/O WALL CLEANER	1	JOB	310.00	N/C
504-280	MIDCON-2 STANDARD CEMENT	200	SK	14.17	2,834.00
507-153	CFR-3	94	LB	6.15	578.10
507-210	FLOCELE	50	LB	2.09	104.50
508-291	GILSONITE BULK	1400	LB	.58	812.00
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	46.90	187.60
507-778	HALAD-344	76	LB	32.89	2,499.64
500-207	BULK SERVICE CHARGE	251	CFT	1.66	416.66
500-306	MILEAGE CMTG MAT DEL OR RETURN	805.24	TMI	1.25	1,006.55
JOB PURPOSE SUBTOTAL					14,162.55
MAR 18 2001 INVOICE SUBTOTAL					14,162.55
DISCOUNT - (BID)					
INVOICE BID AMOUNT					5,381.74
*- KANSAS STATE SALES TAX					182.45
*- PRATT COUNTY SALES TAX					37.22
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$9,000.48

APPROVED BY *T.C. Larson*

RECEIVED STATE CORPORATION COMMISSION

MAR 22 1999 3-22-99 CONSERVATION DIVISION

RECEIVED

DEC 28 1998

38%

SAMUEL GARY JR. & ASSOCIATES INC.

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest of any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

15-033-20984-0000

ORIGINAL



Halliburton Energy Services

KCC

MAR 18 1999

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DATE:12-19-1998 TIME:15:24:34 SERVICE TICKET: 460178
PRATT-25555 BULK TICKET ONLY: 100523

JOB PURPOSE:LONG STRING
COMPANY TRUCK::52418 DRIVER: B.WILKINSON

CUSTOMER: SAM GARY JR & ASSOCIATES LEASE & WELL#:WILLEMS 3-11

504-280	MIDCON CEMENT STANDARD	200	SKS.	14.17	2834.00
507-153	CFR-3	94	LBS.	6.15	578.10
507-210	FLOCELE	50	LBS.	2.09	104.50
508-291	GILSONITE	1400	LBS.	0.58	812.00
509-406	CALCIUM CHLORIDE	4	SKS.	46.90	187.60
507-778	HALAD-344	76	LBS.	32.89	2499.64

500-207 SERVICE CHARGES 251 CU FT 1.66 416.66

500-306 WEIGHT: 21473 MILES: 150 TON MILES: 1816.47 1.25
TOTAL BOOK PRICE OF BULK TICKET: \$ 8439.59

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3-22-99
MAR 22 1999

500-225 RETURN SERVICE CHARGES CONSERVATION DIVISION CU FT 1.66
Wichita Kansas

500-306 WEIGHT: RETURN MILES: 150 TON MILES: 1.25
RELEASED

MAR 18 2001

FROM CONFIDENTIAL

REGION North America	NWA/COUNTRY	BDA / STATE KS	COUNTY
MBU ID / EMP #	EMPLOYEE NAME	PSL DEPARTMENT	
LOCATION	COMPANY	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE	API / UWI #	
WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE	
LEASE / WELL #	SEC / TWP / RNG		

ORIGINAL

HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
# 1	0200							Called Out
	0200							On Loc w/Trk's Safety Mtg
								T.T.H. w/ Csg + Comp F.W. Williams # 3-11
								Csg on Bottom Pump 206 BBL's mud w/Rig
								Rig up Howco
0317	2	2.4		✓		100		St Super flush
0328	4	6		✓		150		H2O Spacer
0332	5.7			✓		200		St mixing Cmt @ 13.5 ppg 190-514
0344	6	59.2		✓				Finish mixing Cmt
0346	5	10						Close Tr + Wash Pump + line
0350	7.7			✓		100		Release Plug + St Disp w/H2O
0402	7.5	99		✓		300		lifting Cmt
0407		127.4		✓		1250		Plug Down + PSI Test Csg
0409				✓				Release psi
								898 Csg Has Hole No Circ established
		6.2						Plug R.H. + M.H. w/10SK's Cmt @ 11.0 ppg
								Rotated Csg During Job
								Partial Returns Job

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MAR 22 1999
3-22-99

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507 RELEASED

MAR 18 2001

Job Complete FROM CONFIDENTIAL
Thank you
LAKSON ENGINEERING INC
225 W. HWY 4
OFMITS, KS 67224