KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 30102
Name: C & S OIL CO.
Address: P.O. BOX 41
City/State/Zip: NEOSHO FALLS, KS 66758
Purchaser: CRUDE MARKETING
Operator Contact Person: ROBERT CHRIESTENSON
Phone: (316) 963-2342
Contractor: Name: ROBERT CHRIESTENSON
License: 30102
Wellsite Geologist:

Designate Type of Completion:
X New Well ___ Re-Entry ___ Workover
X 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:
Original Comp. Date: ___ Original Total Depth: ___
___ Deepening ___ Re-perf. ___ Conv. to Enhr./SWD
___ Plug Back ___ Plug Back Total Depth
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Enhr.?) Docket No.

8/02/00 Spud Date or Recompletion Date
8/20/00 Date Reached TD
8/21/00 Completion Date or Recompletion Date

RECEIVED
KANSAS CORPORATION COMMISSION
NOV 14 2000
CONSERVATION DIVISION
Wichita, Kansas

API No. 15 - 207-266950000
County: WOODSON
NE NE NW NE Sec. 32 Twp. 23 S. R. 17 X East ☐ West
165 feet from S / (N) (circle one) Line of Section
1432 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: GEORGE Well #: 2
Field Name: NEOSHO FALLS-LEROY
Producing Formation: MISSISSIPPI
Elevation: Ground: NA Kelly Bushing:
Total Depth: 1190 Plug Back Total Depth: 1183
Amount of Surface Pipe Set and Cemented at 40 Feet
Multiple Stage Cementing Collar Used? ☐ Yes X No
If yes, show depth set ___ Feet
If Alternate II completion, cement circulated from 1183
feet depth to SURFACE w/ 173 sx cmt.

Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) Alt. #2 8/13/07
Chloride content ___ ppm Fluid volume ___ bbls
Dewatering method used

Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter ___ Sec. ___ Twp. ___ S. R. ___ ☐ East ☐ West
County: Docket No.:

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 of 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: Robert Chriestenseen
Title: OWNER Date: 11-13-00

Subscribed and sworn to before me this 13th day of November, 2000.
NOTARY PUBLIC - State of Kansas
JONI Y. BRILKE
My Appt. Exp. 3/14/2002

Notary Public: Joni Y. Brilke
Date Commission Expires: March 14, 2002

KCC Office Use ONLY
___ Letter of Confidentiality Attached
If Denied, Yes ☐ Date:
___ Wireline Log Received
___ Geologist Report Received
___ UIC Distribution

Side Two

ORIGINAL

Operator Name: C & S OIL CO. Lease Name: GEORGE Well #: 2

Sec. 32 Twp. 23 S. R. 17 ☐ East ☐ West County: WOODSON

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken *(Attach Additional Sheets)*	☐ Yes	☒ No
Samples Sent to Geological Survey	☐ Yes	☒ No
Cores Taken	☐ Yes	☒ No
Electric Log Run *(Submit Copy)*	☒ Yes	☐ No

List All E. Logs Run:

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
MISSISSIPPI	1177	

CASING RECORD ☐ New ☐ Used

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

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	8"	7"		40	Portland	15	
PRODUCTION	5 1/8"	2 7/8"		1183	50/50 POZ	173	2%

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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
2	1152' to 1158'	Pumped 500 Gal. 15% HCL followed by well flush	

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CONSERVATION DIVISION
Wichita, Kansas

TUBING RECORD	Size	Set At	Packer At	Liner Run
				☐ Yes ☐ No

Date of First, Resumed Production, SWD or Enhr.	Producing Method				
	☐ Flowing	☒ Pumping	☐ Gas Lift	☐ Other *(Explain)*	

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Sumit ACO-18.)*

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled _____

☐ Other *(Specify)* _____

CONSOLIDATED INDUSTRIAL SERVICES
AN INFINITY COMPANY
211 W. 14TH STREET, CHANUTE, KS 66720
316-431-9210 OR 800-467-8676

ORIGINAL

TICKET NUMBER 15858

LOCATION Ottawa, Ks

FIELD TICKET

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
8-21-00	1894	George #2		32	23	17	WO	

CHARGE TO Robert Christenson — OWNER

MAILING ADDRESS 1028 ASH RR 1 — OPERATOR

CITY & STATE Neosho Falls, Ks. 66758 — CONTRACTOR Company Tool

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	One	PUMP CHARGE Cement One Well		475.00
5402	1183'	Casing footage	.12	141.96
		HYDRAULIC HORSE POWER		
1118	5	Premium Gel	10.50	52.50
4402	One	2½" Rubber Plug		15.00
4151	105	Fuel Surcharge 3-TK	.10	10.50
		Tax	6.4%	84.59
		STAND BY TIME		
		MILEAGE		
		WATER TRANSPORTS		
5502	3	VACUUM TRUCKS	60.00	180.00
		FRAC SAND		
1124	173	CEMENT	7.25	1254.25
		NITROGEN		
5407	min	TON-MILES		150.00
			ESTIMATED TOTAL	2363.80

NSCO #15097

CUSTOMER or AGENTS SIGNATURE — CIS FOREMAN Jim Green

CUSTOMER or AGENT (PLEASE PRINT) — DATE 8-21-00

ORIGINAL

CONSOLIDATED INDUSTRIAL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
316-431-9210 or 800-467-8676

TICKET NUMBER 07439
LOCATION Ottawa, Ks.
FOREMAN Kevin Ross

TREATMENT REPORT

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
8-21-00	1894	George #2		32	23	17	WO	

CHARGE TO Robert Christensen	OWNER
MAILING ADDRESS 1028 ASH RR1	OPERATOR
CITY Neosho Falls	CONTRACTOR Company Tool
STATE Ks. ZIP CODE 66758	DISTANCE TO LOCATION 35
TIME ARRIVED ON LOCATION 10:30AM	TIME LEFT LOCATION 12:30PM

WELL DATA

HOLE SIZE	5⅝"
TOTAL DEPTH	1190'
CASING SIZE	2⅞"
CASING DEPTH	1183'
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT

[ ] SURFACE PIPE	[ ] ACID BREAKDOWN
[X] PRODUCTION CASING	[ ] ACID STIMULATION
[ ] SQUEEZE CEMENT	[ ] ACID SPOTTING
[ ] PLUG & ABANDON	[ ] FRAC
[ ] PLUG BACK	[ ] FRAC + NITROGEN
[ ] MISC PUMP	[ ] FOAM FRAC
[ ] OTHER	[ ] NITROGEN

PRESSURE LIMITATIONS

	THEORITICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO JOB: Cement One Well

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: Established Circulation, mix and pump 25# premium gel. Pump app. 10 bbls Flush 1½ O. Mix and pump 175 sk 50/50 Poz mix cement 2% Gel. Dye surfaced. Flush pump clear of cement. Pump 2⅞" rubber plug to total depth of casing. Pressure up to 1000# PSI. Well held good. Close valve. Circulating cement to surface.

PRESSURE SUMMARY		TREATMENT RATE	
BREAKDOWN or CIRCULATING	psi	BREAKDOWN BPM	
FINAL DISPLACEMENT	psi	INITIAL BPM	
ANNULUS	psi	FINAL BPM	
MAXIMUM	psi	MINIMUM BPM	
MINIMUM	psi	MAXIMUM BPM	
AVERAGE	psi	AVERAGE BPM	
ISIP	psi		
5 MIN SIP	psi	HYD HHP = RATE x PRESSURE x 40.8	
15 MIN SIP	psi		

AUTHORIZATION TO PROCEED TITLE DATE

ORIGINAL

C & S OIL CO

George Lease Well #2
Sec. 32, Twp 23S, Rg. 17E
Woodson County, Kansas

0'	to	4'	soil
4'	to	12'	clay
12'	to	15'	gravel
15'	to	53'	shale
53	to	161'	lime
161'	to	193'	lime
193'	to	198'	shale
198'	to	209'	lime w/shale
209'	to	218'	lime
218'	to	261'	white sandy lime
261'	to	262'	black shale
262'	to	265'	lime
265'	to	302'	sandy shale
302'	to	308'	lime
308'	to	319'	sandy shale
319'	to	322'	lime
322'	to	328'	shale
328'	to	357'	lime
357'	to	362'	white sandy lime
362'	to	450'	lime
450'	to	609'	shale
609'	to	620'	black shale
620'	to	624'	lime
624'	to	631'	shale-lime
631'	to	641'	shale
641'	to	650'	lime
650'	to	659'	shale
659'	to	664'	lime
664'	to	676'	sandy shale
676'	to	711'	shale
711'	to	713'	lime
713'	to	721'	shale
721'	to	735'	lime
735'	to	741'	shale
741'	to	746'	lime
746'	to	747'	black shale
747'	to	758'	shale
758'	to	776'	lime
776'	to	781'	shale
781'	to	786'	lime
786'	to	788'	shale
788'	to	791'	lime
791'	to	796'	black shale
796'	to	799'	lime
799'	to	833'	shale
833'	to	834'	lime
834'	to	835'	sand, show
835'	to	837'	shale
837'	to	838'	lime
838'	to	840'	shale
840'	to	843'	sand, show
843'	to	1152'	shale
1152'	to	1158'	sand, show
1158'	to	1177'	shale
1177'	to	1190'	mississippi

TOTAL DEPTH 1190