

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

Operator: License # 31088  
 Name: Colt Resources Corporation  
 Address 16701 Greenspoint Park Drive  
Suite 225  
 City/State/Zip Houston, Texas 77060  
 Purchaser: Farmland-Oil; KP&L-Gas  
 Operator Contact Person: Ed Childers  
 Phone ( 210 ) 876-1209  
 Contractor: Name: Duke Drilling Co., Inc.  
 License: 5929  
 Wellsite Geologist: Jerry Smith

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  EMHR  SIGW  
 Dry  Other (Core, WSV, 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 \_\_\_\_\_ PSTD  
 \_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 \_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 \_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
 09-20-97 09-26-97 09-27-97  
 Spud Date Date Reached TD Completion Date

API NO. 15- 095-217350000  
 County Kingman County, Kansas  
C-S/2- NW - NE Sec. 36 Twp. 30 Rng. 9  
990 Feet from S (circle one) Line of Section  
2060 Feet from E/W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) SE, NW or SW (circle one)  
 Lease Name Swingle Well # 4  
 Field Name Spivey-Grabs  
 Producing Formation Mississippian Chat  
 Elevation: Ground 1680' KB 1688'  
 Total Depth 4510' PSTD 4500'  
 Amount of Surface Pipe Set and Cemented at 222 Feet  
 Multiple Stage Cementing Collar Used? Yes  No   
 If yes, show depth set \_\_\_\_\_ Feet

RECEIVED

STATE CORPORATION COMMISSION OF KANSAS  
 Completion, cement circulated from \_\_\_\_\_  
 feet depth to 12-1-97 xx cnt.

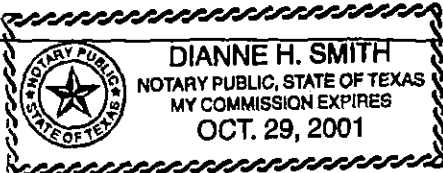
Drilling Fluid Management Plan ALT 1 2-12-98  
 Collected from the Reserve Pit  
 CONSERVATION DIVISION  
 Wichita, Kansas

Chloride content 30,000 ppm Fluid volume 840 bbls  
 Dewatering method used trucked/evaporated  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name Colt Resources Corporation  
 Lease Name Dickens SWD #2 License No. 31088  
 SE Quarter Sec. 8 Twp. 31 S Rng. 8 E/W  
 County Kingman Docket No. 55216C

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 Ed Childers  
 Title Division Engineer Date 11/25/97  
 Subscribed and sworn to before me this 25th day of November  
 19 97.  
 Notary Public Dianne H. Smith  
 Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY			
F	<input type="checkbox"/>	Letter of Confidentiality Attached	
C	<input checked="" type="checkbox"/>	Wireline Log Received	
C	<input checked="" type="checkbox"/>	Geologist Report Received	
Distribution			
<input type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep	<input type="checkbox"/> KCPA
<input type="checkbox"/>	CGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other
(Specify)			

Operator Name Colt Resources Corporation

Lease Name Swingle

Well # 1-84

Sec. 36 Twp. 30 Rge. 9

East  
 West

County Kingman County, Kansas

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" 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	Heebner Shale	3442	(-1754)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3650	(-1962)
List All E.Logs Run:		Dennis Porosity	4056	(-2368)
DIL, CDL/CN		Swope Porosity	4087	(-2399)
		Hertha Porosity	4114	(-2426)
		Base Kansas City	4150	(-2462)
		Cherokee Lime	4315	(-2627)
		Mississippian	4391	(-2703)
		Base Miss. "Chat"	4426	(-2738)
		Osage Lime	4447	(-2759)
		RTD	4510	(-2822)
			4505	(-2817)

CASING RECORD

LTD  Used  
 New

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"	24#'	222'	60/40 Poz	165	3%cc 2%gel
Production	7-7/8"	5-1/2"	15.5#	4505' 4405'	ASC	150	5#/sk kolsea

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
4	4391-4414'	Acidized w/ 2000 gal 15% NE/FE. Frac	
		w/ 5000# 100 Mesh sand, 48500# Brady	
		Brown sand 12/20, 4000# 12/20 AcFrac	
		& 960 bbls gelled water	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	4441.71'	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or In]	Producing Method
10/15/97	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil	Sbbls.	Gas	Mcf	Water	Sbbls.	Gas-Oil Ratio	Gravity
		34		249			7	

Disposition of Gas:

Vented  Sold  Used on Lease  
(If vented, submit ACD-18.)

METHOD OF COMPLETION

Open Hole  Perf.  Dusty Comp.  Commingled  
 Other (Specify)

Production Interval

4391-4414'



ORIGINAL

JN Exploration & Production  
Colt Resources Corporation

16701 Greenspoint Park Drive, Suite 225  
Houston, Texas 77060  
(281) 876-1209  
FAX (281) 876-1255  
E-mail: jnhouston@main.com

Gulf Coast Division

November 26, 1997

Kansas Corporation Commission  
200 Colorado Derby Building  
Wichita, Kansas 67202

RECEIVED  
STATE CORPORATION COMMISSION

DEC 01 1997

Re: Kennedy #3 Well, API 15-077-21338  
Kennedy #4 Well, API 15-077-21341  
Swingle #4 Well, API 15-095-21735  
Spivey-Grabs Field  
Harper and Kingman County, Kansas

CONSERVATION DIVISION  
Wichita, Kansas

Gentlemen:

Enclosed please find Form ACO-1 in triplicate with attachments on each of the wells listed above.  
The attachments are as follows:

Kennedy #3  
DIL, DSN/CDL COMP logs, Geological Well Report, 2 cementing reports and 1 cementing log

Kennedy #4  
DIL, SSD/CN logs, Geological Well Report, 2 cementing reports and 1 cementing log

Swingle #4  
DIL/CDL/CN logs, Geological Well Report, 2 cementing reports and 1 cementing log

Please contact the undersigned if any further information is required.

Thank you for your assistance.

Sincerely,

COLT RESOURCES CORPORATION

Dianne H. Smith  
Engineering Assistant

Enclosure

# ALLIED CEMENTING CO., INC. 6516

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

## ORIGINAL

SERVICE POINT: MEDICINE LODGE

DATE <u>9-21-97</u>	SEC. <u>36</u>	TWP. <u>30</u>	RANGE <u>4</u>	CALLED OUT	ON LOCATION <u>6:00 PM</u>	JOB START <u>6:30 PM</u>	JOB FINISH <u>6:45 PM</u>
LEASE <u>WINDLE</u>	WELL # <u>4</u>	LOCATION <u>KEystone Church Ln, 1/2E, 1/2N, 4S</u>			COUNTY <u>KENNICOTT</u>	STATE <u>KANSAS</u>	

OLD OR NEW (Circle one)

CONTRACTOR DAVE DRIE #2

TYPE OF JOB DRIFTE

HOLE SIZE 12 1/4" T.D. 224'

CASING SIZE 3 1/2" 24" DEPTH 222'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM 120#

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

OWNER BLT Resources Corp.

CEMENT

AMOUNT ORDERED 165 SK 60:40:21 3/4 CC

### EQUIPMENT

PUMP TRUCK # <u>255-265</u>	CEMENTER <u>KEVIN PRINARDT</u>
BULK TRUCK # <u>257-251</u>	HELPER <u>SHANE WENCK</u>
BULK TRUCK # _____	DRIVER <u>PAUL BALDING</u>
BULK TRUCK # _____	DRIVER _____

COMMON	_____ @ _____
POZMIX	_____ @ _____
GEL	_____ @ _____
CHLORIDE	_____ @ _____
STATE CORPORATION COMMISSION	
RECEIVED	
DEC 01 1997	
CONSERVATION DIVISION	
Wichita, Kansas	
HANDLING	_____ @ _____
MILEAGE	_____ @ _____

TOTAL \_\_\_\_\_

**REMARKS:**

BREAK PERMITATION

1 1/2 X 165 SK 60:40:21 3/4 CC

1 1/2 X 12 1/4 BBL'S

(CEMENT 1 1/2) 1 1/2 MINUTE!

**SERVICE**

DEPTH OF JOB	<u>222'</u>
PUMP TRUCK CHARGE	_____
EXTRA FOOTAGE	_____ @ _____
MILEAGE	_____ @ _____
PLUG <u>3 1/2" TWP</u>	_____ @ _____
_____	_____ @ _____
_____	_____ @ _____

TOTAL \_\_\_\_\_

CHARGE TO: BLT Resources Corp.

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 [Signature]

## 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.

# ALLIED CEMENTING CO., INC.

6339

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

## ORIGINAL

SERVICE POINT:

Medicine Lodge

DATE <u>11-27-97</u>	SEC. <u>36</u>	TWP. <u>30</u>	RANGE <u>9W</u>	CALLED OUT <u>10:00 AM</u>	ON LOCATION <u>12:35</u>	JOB START <u>4:40 pm</u>	JOB FINISH <u>5:30 pm</u>
LEASE <u>Swiggle</u>	WELL # <u>4</u>	LOCATION <u>Keystone Church 1/4 Sec 1N 1/4 Kingman</u>			COUNTY <u>Kingman</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Dyke Rig 2  
 TYPE OF JOB production  
 HOLE SIZE 7 7/8 T.D.  
 CASING SIZE 5 1/2 x 15.50 DEPTH 4505  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 1/2 DEPTH  
 TOOL APV Insert DEPTH 4468  
 PRES. MAX 1200 MINIMUM 100  
 MEAS. LINE SHOE JOINT 37  
 CEMENT LEFT IN CSG. 37  
 PERFS.

OWNER Colt Resources Corp  
CEMENT

AMOUNT ORDERED 25 sk 60:40:4  
150 sk ASC + 5<sup>th</sup> Kol-seal  
Mudclean, 12 gal Clapro

COMMON <u>A</u>	<u>15</u>	@	<u>6.35</u>	<u>95.25</u>
POZMIX	<u>10</u>	@	<u>3.25</u>	<u>32.50</u>
GEL	<u>1</u>	@	<u>9.50</u>	<u>9.50</u>
CHLORIDE		@		
<u>ASC</u>	<u>150</u>	@	<u>8.20</u>	<u>1230.00</u>
<u>Kol-seal</u>	<u>750#</u>	@	<u>.38</u>	<u>285.00</u>
<u>MUD NEAN</u>	<u>500 gal.</u>	@	<u>.75</u>	<u>375.00</u>
<u>CLAPRO</u>	<u>12 GALS</u>	@	<u>23.90</u>	<u>274.80</u>
		@		
HANDLING	<u>175</u>	@	<u>1.05</u>	<u>183.75</u>
MILEAGE	<u>175 x 28</u>		<u>.04</u>	<u>196.00</u>

### EQUIPMENT

PUMP TRUCK CEMENTER Carl Belding  
 # 255-265 HELPER Steve Winsor  
 BULK TRUCK  
 # 256-251 DRIVER Randie Landwehr  
 BULK TRUCK  
 # DRIVER

RECEIVED  
 STATE CORPORATION COMMISSION  
 TOTAL \$2681.80  
 DEC 01 1997

### REMARKS:

Break circulation with rig pump  
Circulate for 35 minutes, pump 12 BBLs  
mud-clean + pump 25 sk 60:40:4 gel in  
let + mouse Hble, pump 150 sk ASC + 5<sup>th</sup> Kol-seal  
Stop pumps wash out pump + lines  
Release plug + Displace with 1082 BBLs  
2 1/2 Kol-water Dump plug 500 over pump psi  
Start hold +

SERVICE

CONSERVATION DIVISION  
Wichita, Kansas

DEPTH OF JOB	<u>4505</u>		
PUMP TRUCK CHARGE			<u>1214.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>28</u>	@	<u>2.85</u>
PLUG Rubber	<u>5 1/2"</u>	@	<u>50.00</u>
		@	
		@	

TOTAL \$1343.80

CHARGE TO Colt Resources Corp  
 STREET 1671 GREENPOINT PARK DR., S. 225  
 CITY HOUSTON STATE TEXAS ZIP 77060

### FLOAT EQUIPMENT

1- Regular Guide Stone	@	<u>168.00</u>	<u>168.00</u>
1- APV Insert	@	<u>263.00</u>	<u>263.00</u>
6-centralizers	@	<u>56.00</u>	<u>336.00</u>
	@		
	@		

TOTAL \$767.00

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.

TAX \_\_\_\_\_  
 TOTAL CHARGE \$4792.60  
 DISCOUNT \$718.89 IF PAID IN 30 DAYS  
 NET \$4073.71

SIGNATURE [Signature] TERALD RANKS



# ORIGINAL CEMENTING LOG

STAGE NO.

Date 9-27-97 District Med Lodge Ticket No. 4339  
 Company Carl Resources Corp Rig Duke 2  
 Lease Swingale Well No. 4  
 County Kingdon State KS  
 Location St. John Church Field 36-30-9W  
LN 25, LN 24

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 52 Type \_\_\_\_\_ Weight 15.50 Collar \_\_\_\_\_

Casing Depths: Top \_\_\_\_\_ Bottom 4505

Drill Pipe: Size 4 1/2 Weight 16.60 Collars \_\_\_\_\_  
 Open Hole: Size 7 3/8 T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.238 Lin. ft./Bbl. 42.01  
 Open Holes: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 0.301 Lin. ft./Bbl. 32.40  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

CEMENT DATA:  
 Spacer Type: 12 PBLs Mud Clean  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60:40:46 gal  
 Excess \_\_\_\_\_  
 Amt. 25 Skys Yield 1.40 ft<sup>3</sup>/sk Density 14.1 PPG

TAIL: Pump Time \_\_\_\_\_ hrs. Type ASC + 5 TOLRAL  
 Excess \_\_\_\_\_  
 Amt. 150 Skys Yield 1.57 ft<sup>3</sup>/sk Density 14.5 PPG

WATER: Lead 5.6 gals/sk Tail 2.23 gals/sk Total 30 Bbls.

Pump Trucks Used 252-265 Stone winner  
 Bulk Equip. 256-351 Bardie Landwehr

Float Equip: Manufacturer Gemco  
 Shoe: Type Regular Guide shoe Depth 4505.13  
 Float: Type APU Taser Depth 4468.41  
 Centralizers: Quantity 6 Plugs Top 1 Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type 522 Kcl Amt. 2108 Bbls. Weight 8.74 PPG  
 Mud Type \_\_\_\_\_ Weight \_\_\_\_\_ PPG

COMPANY REPRESENTATIVE Jerald D. Rains

CEMENTER Carl Bedding

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbls Min.
4:05						Pipe on Bottom Circulate with Rig for 35 minutes	
4:40		200		12	12	4	pump Mud Clean flush
4:55		200		18	6	2	pump 25sk in DAT + Mouse Hole
				57	41	5 1/2	start ASC cement
							Cement in 3rd pumps
							wash out pump + lines
							switch valves + Release plug
5:05							start Displacement
		100		112	53	6	mud clean turn shoe
		100		124	12	5 1/2	Cement turn shoe
						4	slow Rate
				139	15	4	see pressure increase
		575		161	22	2	slow Rate
5:25		1100		167.5	6.5		pump plug + Hold pressure
							release pressure + float held

FINAL DISP. PRESS: \_\_\_\_\_ PSI BUMP PLUG TO \_\_\_\_\_ PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU

Taylor Printing, Inc., Print. KS