

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 Dr.  
Suite 225  
 City/State/Zip Houston, Texas 77060  
 Purchaser: Famland/Western Resources  
 Operator Contact Person: Ed Childers  
 Phone (281) 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  ENHR  SIGW  
 Dry  Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBTB  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_  
11-18-97 11-25-97 01-14-98  
 Spud Date Date Reached TD Completion Date

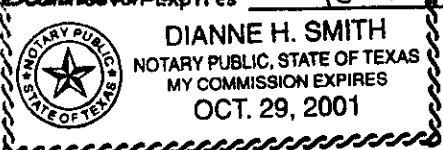
API NO. 15- 007-22,545-0000  
 County Barber  
C - N2 - NE - <sup>SU</sup> MW Sec. 9 Twp. 33 Rge. 12  E  
2300 Feet from S (circle one) Line of Section  
1980 Feet from E (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE, SE, NW or (SW) (circle one)  
 Lease Name Boggs Well # 5-9  
 Field Name Medicine Lodge Boggs  
 Producing Formation Mississippi Chat  
 Elevation: Ground 1530' KB 1538'  
 Total Depth 4990' PBTB 4975'  
 Amount of Surface Pipe Set and Cemented at 214 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 AH. 1, 5-22-98 UC  
 (Data must be collected from the Reserve Pit)  
 Chloride content 63,000 ppm Fluid volume 400 bbls  
 Dewatering method used trucked/evaporated  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name Bowers Drilling Co., Inc.  
 Lease Name Cole SWD License No. 5435  
 \_\_\_\_\_ Quarter Sec. 25 Twp. 32 S Rng. 2  EW  
 County Barber Docket No. 19886

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 Ed Childers  
 Title Engineer Date 3/9/98  
 Subscribed and sworn to before me this 9th day of March,  
 19 98.  
 Notary Public Dianne H. Smith  
 Date 3/9/98

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Geologist Report Received  
 Distribution  
 KCC  
 SWD/Rep  NGPA  
 Plug  Other  
 (Specify)  
 KANSAS CORPORATION COMMISSION  
 OIL & GAS CONSERVATION DIVISION



14118190

Operator Name COLT RESOURCES CORPORATION Lease Name Boggs Well # 5-9

Sec. 9 Twp. 33S Rge. 12  East  West  
 County Barber

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 Datums	<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	3664	(-2126)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3856	(-2318)
List All E.Logs Run:		Dennis Poro.	4247	(-2709)
DIL, FDC/CNL		Swope Poro.	4272	(-2734)
		Base Kansas City	4316	(-2778)
		Mississippi Chert	4439	(-2901)
		Mississippi Lime	4482	(-2944)
		Kinderhook Shale	4674	(-3136)
		Chattanooga Shale	4738	(-3200)
		Viola	4778	(-3240)
		Simpson Shale	4878	(-3340)

CASING RECORD							
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#	214'	60/40 Poz	150	3% cc 2% gel
Production	7-7/8"	5-1/2"	15.5#	4990'	ASC	175	5#/sk Kolseal

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				

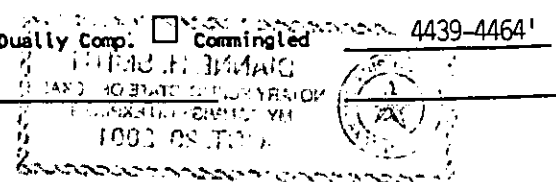
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4464-4444'	Acidize w/ 1250 gal FE/NE acid, 75 ball	
2	4444-4439'	sealers & 108 bbls 2% KCl water.	
		Frac w/ 5000# 100 mesh sand, 48500#	12/20
		sand, 4000# Acfrac sand & 41816 gal	Delta Frac.

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>4679'</u>	Packer At <u>N/A</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SMD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
<u>01-21-98</u>				
Estimated Production Per 24 Hours	Oil Bbls. <u>16</u>	Gas Mcf <u>300</u>	Water Bbls. <u>-0-</u>	Gas-Oil Ratio <u>-</u> Gravity <u>-</u>

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval: 4439-4464'



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 Dr. - Suite 225

City/State/Zip Houston Texas 77060

Purchaser: Famland/Western Resources

Operator Contact Person: Ed Childers

Phone ( 316 ) 876-1209

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Jerry Smith

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SVD  SIOV  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, VSW, 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/SVD  
 Plug Back  PSTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SVD or Inj?) Docket No. \_\_\_\_\_

11-18-97

11-25-97

~~11-26-97~~

Spud Date

Date Reached TD

Completion Date

1-14-98

API NO. 15- 007-22545 0000

County Barber County, Kansas

C-N/2 NE - NW Sec. 9 Twp. 33S Rge. 12

2300 Feet from  (circle one) Line of Section

1980 Feet from  (circle one) Line of Section

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

Lease Name Boggs Well # 5-9

Field Name Medicine Lodge-Boggs

Producing Formation Mississippi Chat.

Elevation: Ground 1530'  1538'

Total Depth 4990' PSTD 4975'

Amount of Surface Pipe Set and Cemented at 214 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/ \_\_\_\_\_

Drilling Fluid Management Plan Att. 1, 5-22-98 v.c.  
(Data must be collected from the Reserve Pit)

Chloride content 63,000 ppm Fluid volume 400 bbl

Desludging method used trucked/evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name Bowers Drilling Co., Inc.

Lease Name Cole SVD License No. 5435

Quarter Sec. 25 Twp. 32 S Rng. 12 E/W

County Barber Docket No. 19886

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.

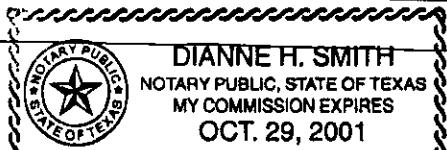
Signature Ed Childers

Title Engineer Date 3/4/98

Subscribed and sworn to before me this 4th day of March 19 98.

Notary Public Dianne H. Smith

Date Commission Expires \_\_\_\_\_



K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Geologist Report Received

MAR 24 1998

Distribution

KCC  SWD/Rep  NGPA

EGS  Plug  Other

Wichita, Kansas (Specify)

Operator Name Colt Resources Corporation

Lease Name Boggs

Well # 5-9

Sec. 9 Twp. 33S Rge. 12

East  
 West

County Barber 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 sheets if more space is needed. Attach copy of log.

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

List All E. Logs Run:  
DIL, FDC/CNL

Log	Formation (Top)	Depth	Datum	Sample
<input type="checkbox"/>	Name	Top	Datum	
	Heebner Shale	3664	(-2126)	
	Lansing	3856	(-2318)	
	Dennis Poro.	4247	(-2709)	
	Swope Poro.	4272	(-2734)	
	Base Kansas City	4316	(-2778)	
	Mississippi Chert	4439	(-2901)	
	Mississippi Lime	4482	(-2944)	
	Kinderhook Sh.	4674	(-3136)	
	Chattanooga Sh.	4738	(-3200)	
	Viola	4778	(-3240)	
	Simpson Shale	4878	(-3340)	
	Simpson Sand	4891	(-3353)	

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	12-1/4"	8-5/8"	24#	214'	60/40 Poz	150	3%cc 2%gel
Production	7-7/8"	5-1/2"	15.5#	4990'	ASC	175	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
2	4464-4444'	Acidize w/ 1250 gal FE/NE acid, 75 ball sealers & 108 bbls 2% KCL water.	
2	4444-4439'	Frac w/ 5000# 100 mesh sand, 48500# sand, 4000# Acfrac sand & 41816 gal Delta Frac	12/20

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	4679'	N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. 01-21-98 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	16	300	-0-		

Disposition of Gas:  
 Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perforated  Dual Comp.  Commingled 4439-4464'  
 Other (Specify)

# ORIGINAL

BOGGS 5-9  
SECTION 9, T33S-R12W  
BARBER COUNTY, KS

15-007-22545

DST #1

Lansing-Kansas City 3858-73', 30-45-45-60

IF: Strong blow, bottom of bucket in 1 minute

FF: Strong blow, gas to surface in 5 minutes – too small to measure

Recovered 60' of gas cut mud

IHH: 1805#

IFP's: 45 to 48#

ISIP: 90#

FFP's: 48 to 48#

FSIP: 102#

FHH: 1774#

BHT: 108°F

RECEIVED  
STATE CORPORATION COMMISSION

MAR 16 1998

CORPORATION DIVISION  
WICHITA, Kansas

# ALLIED CEMENTING CO., INC.

6524

ORIGINAL

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

SERVICE POINT:  
WADSWORTH LODGE

DATE <u>11-26-97</u>	SEC. <u>9</u>	TWP. <u>33S</u>	RANGE <u>12W</u>	CALLED OUT <u>9:00 AM</u>	ON LOCATION <u>12:00 PM</u>	JOB START <u>4:50 AM</u>	JOB FINISH <u>5:30 AM</u>
LEASE <u>BOGGS</u>	WELL # <u>5-9</u>	LOCATION <u>231 + HARDNER SHORTCUT</u>			COUNTY <u>LEAVELL</u>	STATE <u>KANSAS</u>	

OLD OR NEW (Circle one)

CONTRACTOR <u>DUKE DALL #2</u>	OWNER <u>COIT RESOURCES CORP.</u>
TYPE OF JOB <u>INDUCTION PACING</u>	CEMENT
HOLE SIZE <u>7 7/8"</u>	T.D. <u>4990'</u>
CASING SIZE <u>5 1/2" 12.5</u>	DEPTH <u>4990'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <u>1550#</u>	MINIMUM
MEAS. LINE	SHOE JOINT <u>44.42'</u>
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED <u>500 BALS. MUD CLEAN</u>		
<u>25SX 60:40:6</u>		
<u>175SX ASC + 5# KCL SEAL</u>		
COMMON A <u>15</u>	@ <u>6.25</u>	<u>93.75</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>ASP 175</u>	@ <u>8.20</u>	<u>1435.00</u>
<u>KCL-SEAL 375#</u>	@ <u>.38</u>	<u>332.50</u>
<u>MUD CLEAN 500 BAL.</u>	@ <u>.75</u>	<u>375.00</u>
<u>CLAPRO 12 BAL.</u>	@ <u>22.90</u>	<u>274.80</u>
	@	
HANDLING <u>200</u>	@ <u>1.05</u>	<u>210.00</u>
MILEAGE <u>300 DENZMILL</u>		<u>100.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER <u>KEVIN PRUNGARDT</u>
# <u>254-302</u> HELPER <u>JUSTIN HART</u>
BULK TRUCK
# <u>301</u> DRIVER <u>KANOE LANDWEHR</u>
BULK TRUCK
# DRIVER

TOTAL \$ 2892.55

REMARKS:

RUN 5 1/2" PUMP + BREAK PERMUTATION  
PLUG ROT + MUDS NOISE - 25SX 60:40:6  
PUMP 500 BALS. MUD CLEAN  
175SX ASC + 5# KCL SEAL  
WE PLACE WITH 11 1/2" BBLS. 2% KCL  
FLOAT DTD HOLD!

SERVICE

DEPTH OF JOB <u>4990'</u>		
PUMP TRUCK CHARGE		<u>1214.00</u>
EXTRA FOOTAGE <u>4.000</u>	@	
MILEAGE <u>16</u>	@ <u>2.85</u>	<u>45.60</u>
PLUG <u>5 1/2" TRP</u>	@ <u>50.00</u>	<u>50.00</u>
	@	
	@	

TOTAL \$ 1309.60

CHARGE TO: COIT RESOURCES CORP  
STREET 16701 GREEN POINT PARK DR. # 225  
CITY HOUSTON STATE TEXAS ZIP 77060

FLOAT EQUIPMENT

1- PULVE SLICE	@ <u>169.00</u>	<u>169.00</u>
1- AEU INSERT	@ <u>263.00</u>	<u>263.00</u>
12- CENTRALIZERS	@ <u>56.00</u>	<u>672.00</u>
2- PACKETS	@ <u>142.00</u>	<u>284.00</u>
	@	

TOTAL \$ 1337.00

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 \$ \_\_\_\_\_  
DISCOUNT \$ \_\_\_\_\_ IF PAID IN 30 DAYS  
Net \$

SIGNATURE [Signature]  
Gerald W. Gains

## 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.

Date 11-26-97 District WED. LOAN Ticket No. 6524  
 Company UNIT RESOURCES CORP. Rig DUKE #2  
 Lease ROBBE Well No. 5.9  
 County BARBER State KANSAS  
 Location 9-33-12W Field \_\_\_\_\_  
17A MILLICENS HOLE

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 4 1/2" Type J-55 Weight 15.5# Collar BRD

BLAST - 4810'  
COLLAPSE - 4040'  
 Casing Depths: Top KB Bottom 4990'

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size 7 7/8" T.D. 4990' ft. P.B. to \_\_\_\_\_ ft.

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.238 Lin. ft./Bbl. 42.01'  
 Open Holes: Bbls/Lin. ft. 0.0602 Lin. ft./Bbl. 16.59'  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 0.209 Lin. ft./Bbl. 32.4'  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

COMPANY REPRESENTATIVE FERDIE PATNS

CEMENT DATA:  
 Spacer Type: 500 GAL. MILD MEAN  
 Amt. \_\_\_\_\_ Skys Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density 3.4 PPG

**ORIGINAL**

LEAD: Pump Time \_\_\_\_\_ hrs. Type 60:40:6  
 Excess \_\_\_\_\_  
 Amt. 25 Skys Yield 1.58 ft<sup>3</sup>/sk Density 12.8 PPG  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type HSC  
15# KCL - SEAL Excess \_\_\_\_\_  
 Amt. 175 Skys Yield 1.57 ft<sup>3</sup>/sk Density 14.5 PPG  
 WATER: Lead 7.8 gals/sk Tail 7.23 gals/sk Total 24.7 Bbls.

Pump Trucks Used 257-302 JAZZIN HART  
 Bulk Equip. 301 KONIWE LANDWEHR

Float Equip: Manufacturer GENOCO  
 Shoe: Type CEMENT Depth 4990'  
 Float: Type AFC FLAPPER Depth 4946'  
 Centralizers: Quantity 12 Plugs Top KUBBER Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. 2 BASKETS 2" + 102# JTS.  
 Disp. Fluid Type 2% KCL Amt. 11 1/2 Bbls. Weight 8.42 PPG  
 Mud Type METCAL Weight 9.4 PPG

CEMENTER KEVIN BOUNGKOTAIH.

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
12:00						ON LOCATION, RIG UP
						RUN 5/2" PLUGS + BREAK GRAPPLATION
4:50	300			12	6	RIG UP TO CEMENT PUMP
	300		12	12	6	START MILD MEAN VIA 5/2" KCL
	100		124	1 1/2	4	MILD MEAN IN - CHANGE VALVES
	100		19	5 1/2	4	PLUG MOUSE HOLE WITH SEY 60:40:6
	450		29	20	6	RUB RATHER WITH 20% 60:40:6
	300				6	CHANGE VALVES - START AFC - RENT 156
	300		68	29	6	GRADUAL TEST DROP
	50	14 AB			2	AFC IN - STOP PUMP - CHANGE VALVES
	50		70	2	6	FRESH PUMPS + LINES - CHANGE VALVES
	50		127	57	6	RELEASE PLUG - START DISPLACEMENT
	0		127	10	4	INCREASE RATE
	350				4	MILD MEAN @ SLOW
	400				3	AFC @ SLOW - SLOW RATE
	700				3	GRADUAL TEST INCREASE
5:30	1550				2	SLOW RATE - STOP REMIXING 156
						GRADUAL TEST IN
						PUMP PAVE & HOLD TEST
						RELEASE PRESSURE & FLOAT 4 HOURS!



# ALLIED CEMENTING CO., INC.

6396

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

SERVICE POINT: Medicine Lodge

DATE <u>11-13-97</u>	SEC <u>9</u>	TWP <u>33S</u>	RANGE <u>12W</u>	CALLED OUT <u>2:30 pm</u>	ON LOCATION <u>3:30 pm</u>	JOB START <u>6:00</u>	JOB FINISH <u>6:00</u>
LEASE <u>Trigas</u>	WELL # <u>5-9</u>	LOCATION <u>281- McCullough</u>		<u>HIT CUT 24W</u>		COUNTY <u>Barber</u>	STATE <u>Kansas</u>

OLD OR NEW (Circle one)

CONTRACTOR Duke Rig &  
 TYPE OF JOB Surface  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 2 7/8 x 2 1/4 DEPTH 214  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 100 MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15 feet  
 PERFS. \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER Carl Faldinger  
 # 216 HELPER Todd in Hart  
 BULK TRUCK  
 # 201 DRIVER John Kelly  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Pipe on bottom great circulation  
W/Rig. Pump. 2000 gal. spacer.  
2000 gal. 100-200-300 cement  
100-200-300 Release plug.  
Displaced with 10-1/2" fill Freshwater  
contact Oil & Gas Dept. 2  
H. F. J. V.

CHARGE TO: Celt Resources Corp.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

OWNER Celt Resources Corp.  
 CEMENT

AMOUNT ORDERED 1-0 < 60:40:20:20 cc

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**SERVICE**

DEPTH OF JOB 214  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 PLUG Wooden \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**FLOAT EQUIPMENT**

RECEIVED \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

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 John Kelly

## 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.

Date 11-18-44 District Midwest Ticket No. 6391  
 Company Coit Resources Rig Duke Rig 2  
 Lease 2225 Well No. S-9 V  
 County Reardon State Kansas  
 Location 281 + Hardtman Street Field   
240 + McCullough's Arch Top

CEMENT DATA:  
 Spacer Type Fresh water SCAs  
 Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_

CASING DATA: PTA  Squeeze   
 Surface  Intermediate  Production  Liner   
 Size 5 7/8 Type \_\_\_\_\_ Weight 24 Collar \_\_\_\_\_

LEAD: Pump Time \_\_\_\_\_ hrs. Type 10:40:00 + 38 cc  
 Excess \_\_\_\_\_  
 Amt. 150 Sks Yield 1.26 ft<sup>3</sup>/sk Density 14.8 PPG \_\_\_\_\_  
 TAIL: Pump Time \_\_\_\_\_ hrs. Type \_\_\_\_\_  
 Excess \_\_\_\_\_

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

Amt. \_\_\_\_\_ Sks Yield \_\_\_\_\_ ft<sup>3</sup>/sk Density \_\_\_\_\_ PPG \_\_\_\_\_  
 WATER: Lead 1.6 gals/sk Tail \_\_\_\_\_ gals/sk Total 20 Bbls.

Pump Trucks Used 2-6 Justin Hart  
 Bulk Equip. 301 Taber Kelly

Drill Pipe: Size \_\_\_\_\_ Weight \_\_\_\_\_ Collars \_\_\_\_\_  
 Open Hole: Size \_\_\_\_\_ T.D. \_\_\_\_\_ ft. P.B. to \_\_\_\_\_ ft.

Float Equip: Manufacturer \_\_\_\_\_

CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. 0.634 Lin. ft./Bbl. 15.78  
 Open Holes: Bbls/Lin. ft. 0.607 Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. 0.985 Lin. ft./Bbl. 15.60  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_

Shoe: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Float: Type \_\_\_\_\_ Depth \_\_\_\_\_  
 Centralizers: Quantity \_\_\_\_\_ Plugs Top rodent Btm. \_\_\_\_\_

Perforations: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type Freshwater Amt. 123 Bbls. Weight 8.34 PPG \_\_\_\_\_

COMPANY REPRESENTATIVE John Cummings

CEMENTER Paul Downing

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						on location 10:30 AM
						Run on bottom tank circulation
						lib/line
				4		fast start
				33	5	start cement
						2000 gal - stop pumps
						start tel. valves + release plug
						start displacement
				10 3/4	4	Displacement + V
						start pumps
						11:45 AM

JERRY A. SMITH

PETROLEUM GEOLOGIST

ORIGINAL

GEOLOGICAL WELL REPORT

COLT RESOURCES CORP.  
BOGGS ESTATE #5-9  
2300' FSL & 1980' FWL  
Sec. 9-33-12W  
BARBER COUNTY, KANSAS  
15-007-22545

RECORDED  
FEB 24 1988

November 30, 1997

Colt Resources Corporation  
16701 Greenspoint Park Drive  
Suite 225  
Houston, TX 77060

RE: Colt Resources Corp.

Boggs Estate #5-9  
2300' FSL & 1980' FWL  
(10' S of C-N/2-NE-SW)  
Sec. 9-33-12W  
Barber County, Kansas  
Medicine Lodge-Boggs Field  
API No. 15-007-22,545

Submitted herewith is the geological report concerning the above-captioned test. Data pertinent to the operation are tabulated below.

Spud:	11/18/97	Complete:	11/26/97
Contractor:	Duke Drlg., Rig 2	Toolpusher:	John Armbruster
Surf. Csg.:	8 5/8" @ 214'	Prod'n. Csg.:	5 1/2" @ 4989'
Drill Time:	1800' to RTD	Samples:	1800' to RTD
DST's:	(1) Western	Cores:	None
Mud:	Baroid	Open-hole Log:	Schlumberger --
Gas Detector:	MBC Well Logging		DIL, FDC/CNL
Bit Record:	#1 Walker-McDonald	#2 Walker-McDonald	
	7 7/8" 42CF (RR)	7 7/8" 51F	
	In: 215'	In: 3392'	
	Out: 3392'	Out: 4990'	
	Hrs: 53	Hrs: 77 1/2	
Dev. Surveys:	3/4° @ 215'	3/4° @ 3875'	
	1/2° @ 3392'	1/4° @ 4990'	

Geological formation tops as picked from rotary samples and corrected to the open-hole log follow. All measurements are from the kelly bushing elevation.

Elevations: 1530 GL 1538 KB

Heebner Shale	3664 (-2126)	Kinderhook Sh.	4674 (-3136)
Lansing	3856 (-2318)	Chattanooga Sh.	4738 (-3200)
Dennis Poro.	4247 (-2709)	Viola	4778 (-3240)
Swope Poro.	4272 (-2734)	Simpson Shale	4878 (-3340)
Base Kansas City	4316 (-2778)	Simpson Sand	4891 (-3353)
Penn.-Miss. Unconf.	4432 (-2894)	RTD	4990 (-3452)
Mississippi Chert	4439 (-2901)	LTD	4987 (-3449)
Mississippi Lime	4482 (-2944)		

Geological wellsite supervision commenced at 3400' and was maintained through total depth. Rotary samples were examined in both the wet and dry states and were subjected to UV light examination. A portable gas detector/mud logging unit was also employed during the drilling operation.

MAR 24 1998

WICHITA, Kansas

Zones of interest encountered in the Boggs Estate #5-9 were evaluated as follows. All depth intervals are from the open-hole log.

3866-70 Lansing-Kansas City: Limestone. Tan. Fine crystalline. Highly oolitic with good oomoldic porosity. Faint odor, 75% dull tray fluorescence, scattered brown stain. A few pieces broke gas bubbles. No shows of free oil. Gas kicks of 180 units chromatograph and 160 units hot wire were noted.

Cross-plot Porosity: 15%  
Resistivity: 55 ohms  
Water Saturation: 18% (no correction was made for cementation exponent)

This zone was evaluated by Drill Stem Test #1.

DST #1: 3858-73 (Corr. to log)

30-45-45-60

IF: Strong blow, bottom of bucket in 1 minute.

FF: Strong blow, gas to surface in 5 minutes -- too small to measure.

Recovery: 60' of gas cut mud

IHH: 1805#  
IFP's: 45-48#  
ISIP: 90#  
FFP's: 48-48#  
FSIP: 102#  
FHH: 1774#  
BHT: 108°F

This zone obviously lacks permeability and is not considered worthy of further testing.

3888-91 Lansing-Kansas City: Limestone. Tan. Fine crystalline. Scattered fair vuggy porosity. No shows. Zone also contained white, soft, chalky limestone.

Cross-plot Porosity: 9%  
Resistivity: 16 ohms  
Water Saturation: 56%

This zone is not considered worthy of further testing.

3910-22 Lansing-Kansas City: Limestone. Cream, tan, light gray. Fine to medium crystalline. Fossiliferous. Fair to good vuggy and fossil mold porosity. No shows. The zone contained abundant white chalk.

Cross-plot Porosity: 11.7%  
Resistivity: 6 ohms  
Water Saturation: 70%

This zone is not considered worthy of further testing.

Wichita, Kansas

3936-40 Lansing-Kansas City: Limestone. Tan, light gray. Fine to medium crystalline. Fossiliferous. Fair vuggy and fossil mold porosity. No shows. The zone contained scattered white, soft, chalky limestone.

Cross-plot Porosity: 12.5%  
Resistivity: 7 ohms  
Water Saturation: 60%

This zone is not considered worthy of further testing.

3946-52 Lansing-Kansas City: Limestone. Tan, light gray. Fine to medium crystalline. Fossiliferous. Fair vuggy and fossil mold porosity. No shows. Scattered white, soft, chalky limestone.

Cross-plot Porosity: 16%  
Resistivity: 3 ohms  
Water Saturation: 72%

This zone is not considered worthy of further testing.

4010-16 Lansing-Kansas City: Limestone. Tan. Fine crystalline. Oolitic with poor oomoldic porosity development. No shows.

Cross-plot Porosity: 13.5%  
Resistivity: 4 ohms  
Water Saturation: 74%

This zone is not considered worthy of further testing.

4034-42 Lansing-Kansas City: Limestone. Tan, brown. Fine crystalline. Fossiliferous and oolitic in part. Poor to fair fossil mold porosity. Poor oomoldic porosity. No shows.

Cross-plot Porosity: 16.75%  
Resistivity: 12 ohms  
Water Saturation: 34% (no correction was made for cementation exponent)

This zone is not considered worthy of further testing.

4132-38 Lansing-Kansas City: Limestone. Cream, light tan, light gray. Fine to medium crystalline. Dense. No visual porosity. No shows. The zone contained white, soft chalk.

Cross-plot Porosity: 8%  
Resistivity: 10 ohms  
Water Saturation: 79%

MAR 24 1998

This zone is not considered worthy of further testing.

4152-74 Lansing-Kansas City: Limestone. Cream, light tan, light gray. Fine to medium crystalline. Sub-chalky in part. Scattered

fair to good vuggy porosity. No visual shows. A 15 unit hot wire kick was observed while drilling this zone.

Cross-plot Porosity: 14%  
Resistivity: 1.75 ohms  
Water Saturation: 100%

This zone is not considered worthy of further testing.

4247-52 Dennis Limestone: Limestone. Tan, gray, brown. Fine to medium crystalline. Fossiliferous in part. Few pieces were sparsely oolitic. No visual porosity was noted.

Cross-plot Porosity: 10.5%  
Resistivity: 10 ohms  
Water Saturation: 60%

This zone is not considered worthy of further testing.

4272-84 Swope Limestone: Limestone. Light tan, light gray. Fine to medium crystalline. Sparsely oolitic with poor, scattered oomoldic porosity. No shows. The zone contained abundant cream, sub-chalky to white, chalky limestone.

Cross-plot Porosity: 10.5%  
Resistivity: 4 ohms  
Water Saturation: 95%

This zone is not considered worthy of further testing.

4438-46 Mississippi Chert: Chert. White, light gray, light tan. Opaque to semitranslucent. Vitreous. Sharp. Scattered (15-20%) tripolitic porosity. Brown stain in porosity. Scattered brown edge stain. Weak odor. Spotty (5%) fluorescence. Gas kicks of 50 units chromatograph and 65 units hot wire were observed while circulating this zone.

Cross-plot Porosity: 13.75% to 27.9%  
Resistivity: 6 to 15 ohms  
Water Saturation: 28 to 40%

This zone should be considered for testing through perforations.

4448-62 Mississippi Chert: Chert as described above with several pieces (5%) of highly weathered, devitrified chert ("chat") with total brown saturation and a fair show of free oil. Tray fluorescence increased to 50 to 60%. Sample carried a weak odor. Gas kicks increased to 72 units chromatograph and 76 units hot wire.

Cross-plot Porosity: 14.2% to 23.9%  
Resistivity: 5 to 15 ohms  
Water Saturation: 33 to 48%

This zone should be considered for testing through perforations.



4464-76 Mississippi Chert: Chert. Primarily light gray and light tan, opaque to semitranslucent, vitreous, sharp to blocky with good tripolitic porosity. Brown stain in all porosity. Sample also contained some (5% or less) partially weathered, devitrified chert with near total saturation. Overall sample carried a fair odor, 70% dull tray fluorescence, scattered (10%) brown edge stain, and a show of free gassy oil in the weathered chert. Gas kicks of 68 units chromatograph and 156 units hot wire were noted.

Cross-plot Porosity: 14.5% to 19.6%  
Resistivity: 7 to 11 ohms  
Water Saturation: 31 to 44%

This zone should be considered for testing through perforations.

4786-96 Viola: Limestone. White, light gray. Medium to coarse crystalline. Dense with dark intercrystalline striations (non-hydrocarbon). Also, Dolomite, tan to light gray, fine crystalline, finely sucrosic, dense. No visual porosity was noted in either the limestone or the dolomite. Zone also contained scattered white and light blue-gray, opaque to semitranslucent, sharp, dense chert. The 40-minute circulating sample contained three pieces of dolomite, as described above, that carried a yellow fluorescence and broke a few gas bubbles. No gas kicks were noted while circulating this zone.

Cross-plot Porosity: 0.9% to 8.3%  
Resistivity: 8 to 70 ohms  
Water Saturation: 69 to 100%

It is felt that a completion in this zone would result in a non-commercially high water-cut to near 100% water production.

4896-4902 Simpson Sand: Sand. Large, loose clear quartz grains. No clusters. Well rounded and well sorted. No visual shows. Gas kicks of 28 units chromatograph and 21 units hot wire.

Cross-plot Porosity: 8.25% to 10.35%  
Resistivity: 5.5 to 7 ohms  
Water Saturation: 68 to 99%  
Bulk Volume Water: .0704 to .0817

Generally, as concerns the Simpson Sand in the Sedgwick Basin, Bulk Volume Water Values of .063 or less show 100% oil production; values of .064 to .09 show varying degrees of oil and water production; and values of .09 and higher show traces of oil to 100% water production. The Bulk Volume Water values calculated for this zone would appear to indicate some oil production, probably with a high water-cut. Porosity is low for a clean sandstone, but permeability is probably relatively high. This zone might be considered for testing through perforations.

4904-08 Simpson Sand: Sandstone. White, clear quartz. Fine grained. Well rounded and well sorted. Very slightly glauconitic and pyritic. Friable with fair to good intergranular porosity. No shows noted. Gas kicks of 36 units chromatograph and

13 units hot wire.

Cross-plot Porosity: 14% to 14.5%  
Resistivity: 1.5 to 1.6 ohms  
Water Saturation: 98 to 100%  
Bulk Volume Water: .1400 to .1425

This zone is not considered worthy of further testing.

4912-18 Simpson Sand: Sandstone. White, clear quartz. Fine grained. Well rounded and well sorted. Friable with good intergranular porosity. No visual hydrocarbon shows. Gas kicks of 38 units chromatograph and 28 units hot wire were observed.

Cross-plot Porosity: 13.7% to 17%  
Resistivity: 1.5 to 2 ohms  
Water Saturation: 75 to 99%  
Bulk Volume Water: .1274 to .1470

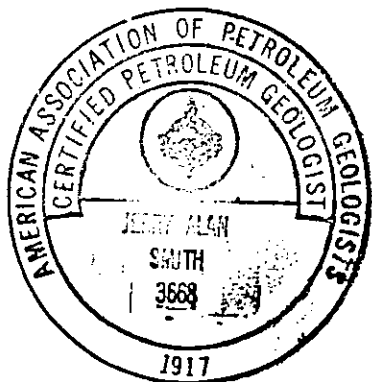
This zone is not considered worthy of further testing.

#### Commentary

The Boggs Estate #5-9 ran generally flat to somewhat low, structurally, to nearby control down to the top of the Mississippian, where an approximately 43' chert section developed. This indicates that the #5-9 is situated on the eastern flank of the Boggs Field structure. On the lower Mississippian and Ordovician horizons, the #5-9 ran appreciably lower than the Boggs Estate #4-9.

The Mississippian Chert should be commercially productive in the Boggs Estate #5-9. The chert section from 4439' to 4476' (KB log) should be considered for selective perforations followed by acid and probable frac treatment as necessary.

Bulk Volume Water calculations indicate that the Simpson Sand from 4896' to 4902' (KB log) may hold some production potential. A high water-cut, however, should be anticipated.



Respectfully submitted,

Jerry A. Smith, C.P.G. #3668

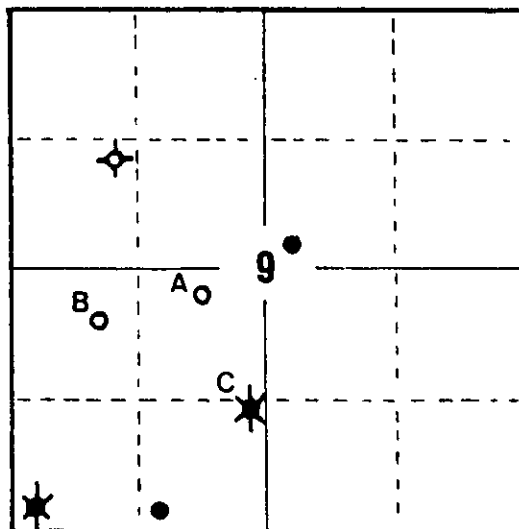
Wellsite Geologist

RECEIVED  
MAR 24 1968

STRUCTURAL COMPARISON  
KEY HORIZONS/KEY CONTROL WELLS

	"A" <u>COLT RESOURCES</u> BOGGS ESTATE #5-9 2300'FSL & 1980'FWL Sec. 9-33-12W	"B" <u>COLT RESOURCES</u> BOGGS ESTATE #4-9 2050'FSL & 820'FWL Sec. 9-33-12W	"C" <u>COLT RESOURCES</u> BOGGS ESTATE #3-9 1300'FSL & 2480'FWL Sec. 9-33-12W
Heebner Sh.	-2126	-2117	-2128
Lansing	-2318	-2312	-2320
Mississippian	-2894	-2874	-2896
Kinderhook Sh.	-3136	-3039	-3122
Viola	-3240	-3146	-3230
Simpson Ss.	-3353	-3255	-3358
Arbuckle	DNP	-3367	DNP
		(Awaiting Comp.)	(Miss. Prod'n.)

All subsea data were calculated from open-hole logs.



RECEIVED  
SECTION  
MAR 24 1960

HORIZONTAL DISPLACEMENT

DUE TO

BOREHOLE DEVIATION

Operator	Colt Resources Corp.	Contractor	Duke Drilling Co.
Well Name	Boggs Estate #5-9	Rig No.	2
Location	Sec. 9-33-12W	Spud Date	11/18/97
County	Barber	Comp. Date	11/26/97
State	Kansas	Toolpusher	John Armbruster
Field	Medicine Lodge-Boggs	Geologist	Jerry A. Smith

<u>Survey #</u>	<u>Depth</u>	<u>Course Length</u>	<u>Dev. (°)</u>	<u>Displacement Per 100'<sup>a</sup></u>	<u>Course Displacement<sup>b</sup></u>	<u>Cumulative Displacement</u>
1	215'	215'	3/4°	1.310	2.82'	2.82'
2	3392'	3177'	1/2°	0.873	27.74'	30.56'
3	3875'	483'	3/4°	1.310	6.33'	36.89'
4	4990'	1115'	1/4°	0.436	4.86'	41.75'
5						
6						
7						
8						
9						
10						

<sup>a</sup> Sine of Angle of Dev. X 100

<sup>b</sup> (Course Length/100) X (Displacement Per 100')

MAR 24 1998  
 CONSERVATION DIVISION  
 Wichita, Kansas

DAILY DRILLING PROGRESS

11/18/97 MIRT. RUR. Spud at 2:15 PM. Drld. surface hole to 215' (KB). 3/4° Dev. at 215'. Set 8 5/8", 24# Surf. Csg. at 214'. PD at 6:30 PM. WOC 8 hrs. Drill plug at 2:30 AM (11/19).

11/19/97 Drlg. at 735' at 7:00 AM. Drld. 520' last 4½ hrs.

11/20/97 Drlg. at 2295' at 7:00 AM. Drld. 1560' last 24 hrs.

11/21/97 Drlg. at 3150' at 7:00 AM. Drld. 855' last 24 hrs. GOL 3400'. Mud-up at 3350'. Bit Trip at 3392'. 1/2° Dev. at 3392'.

11/22/97 Drlg. at 3783' at 7:00 AM. Drld. 633' last 24 hrs. DST #1 3860-75 (Top of Lansing). 3/4° Dev. at 3875'.

11/23/97 Drlg. at 4025' at 7:00 AM. Drld. 242' last 24 hrs.

11/24/97 Drlg. at 4431' at 7:00 AM. Drld. 406' last 24 hrs.

11/25/97 Drlg. at 4764' at 7:00 AM. Drld. 333' last 24 hrs. RTD (4990') reached at 10:07 PM. CFS. Pull Short Trip. Circ. for logs. TOH for logs. Commence logging at 5:00 AM (11/26). LTD 4987'.

11/26/97 Logging at 7:00 AM. Logging complete at 7:30 AM. TIH after logs. Prep. to LDDP and run 5½" Prod'n. Csg.

RECEIVED  
STATE CORPORATION COMMISSION

MAR 24 1998

DST REPORT

GENERAL INFORMATION

ORIGINAL

15-007-22545

DATE : 11-22-1997  
CUSTOMER : COLT RESOURCES CORP.  
WELL : 5-9 TEST: 1  
ELEVATION: 1538 K.B.  
SECTION : 9  
RANGE : 12W COUNTY: BARBER  
GAUGE SN#: 11018 RANGE : 4425  
TICKET : 22641  
LEASE : BOGGS ESTATE  
GEOLOGIST: JERRY SMITH  
FORMATION: LKC  
TOWNSHIP : 33S  
STATE : KS  
CLOCK : 12 HR.

WELL INFORMATION

PERFORATION INTERVAL FROM: 3860.00 ft TO: 3875.00 ft TVD: 3875.0 ft  
DEPTH OF SELECTIVE ZONE:  
DEPTH OF RECORDERS: 3863.0 ft 3872.0 ft TEST TYPE: OIL  
TEMPERATURE: 108.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3840.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	15.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5 XH
PACKER DEPTH:	3855.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3860.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE RIG #2  
MUD TYPE : CHEMICAL  
WEIGHT : 9.100 ppg  
CHLORIDES : 6000 ppm  
JARS-MAKE : NONE  
DID WELL FLOW?: NO  
VISCOSITY : 42.00 cp  
WATER LOSS: 12.000 cc  
SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW OFF BOTTOM OF  
BUCKET IN 1 MINUTE  
FINAL FLOW PERIOD STRONG BLOW GAS TO SURFACE IN

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

JAN 10 1990

Comment

5 MINUTES TOO SMALL TO MEASURE GAS DID BURN

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	0.0	10.0	0.0	90.0	GAS CUT DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	75.0000 min.
GAS VOLUME:	0.4725 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.7574 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.7574 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1805.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	45.00	48.00
INITIAL SHUT-IN	45.00		90.00
FINAL FLOW	45.00	48.00	48.00
FINAL SHUT-IN	60.00		102.00

FINAL HYDROSTATIC PRESSURE: 1774.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1812.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	113.92	44.61
INITIAL SHUT-IN	45.00		105.19
FINAL FLOW	45.00	99.47	39.90
FINAL SHUT-IN	60.00		74.07

FINAL HYDROSTATIC PRESSURE: 1798.00



Company: COLT RESOURCES CORP.  
 Well: BOGGS ESTATES 5-9 DST #1  
 Field: TKT #22641

[Saturday: Nov 22, 1997]  
 Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
START FLOW 1				
1	0	0: 0: 6	0.0000	113.92
5	0	0: 0:35	0.0080	113.92
10	0	0: 1:11	0.0180	105.34
15	0	0: 1:47	0.0280	97.71
20	0	0: 2:23	0.0380	92.94
25	0	0: 2:59	0.0480	89.13
30	0	0: 3:35	0.0580	85.32
35	0	0: 4:11	0.0681	82.46
40	0	0: 4:47	0.0781	79.60
45	0	0: 5:23	0.0881	77.70
50	0	0: 5:59	0.0981	74.85
55	0	0: 6:35	0.1081	73.90
60	0	0: 7:11	0.1181	71.04
65	0	0: 7:47	0.1280	70.10
70	0	0: 8:23	0.1380	68.19
75	0	0: 8:59	0.1480	66.29
80	0	0: 9:35	0.1580	64.39
85	0	0:10:11	0.1680	63.44
90	0	0:10:47	0.1780	60.59
95	0	0:11:23	0.1880	60.59
100	0	0:11:59	0.1980	58.69
105	0	0:12:35	0.2080	57.75
110	0	0:13:11	0.2180	55.84
115	0	0:13:47	0.2280	54.90
120	0	0:14:23	0.2380	53.95
125	0	0:14:59	0.2480	53.00
130	0	0:15:35	0.2580	53.01
135	0	0:16:11	0.2680	52.06
140	0	0:16:46	0.2780	51.12
145	0	0:17:22	0.2880	51.13
150	0	0:17:58	0.2980	50.18
155	0	0:18:34	0.3080	49.23
160	0	0:19:10	0.3180	48.28
165	0	0:19:46	0.3280	48.29
170	0	0:20:22	0.3379	47.35
175	0	0:20:58	0.3479	47.35
180	0	0:21:34	0.3579	46.41
185	0	0:22:10	0.3679	46.41
190	0	0:22:46	0.3779	45.47
195	0	0:23:22	0.3879	45.48
200	0	0:23:58	0.3979	45.48
205	0	0:24:34	0.4079	45.49
210	0	0:25:10	0.4179	45.50
215	0	0:25:46	0.4279	45.51
220	0	0:26:22	0.4379	45.52
225	0	0:26:58	0.4479	45.52
230	0	0:27:34	0.4579	45.53
235	0	0:28:10	0.4678	45.54
240	0	0:28:46	0.4778	45.55
245	0	0:29:22	0.4878	45.56
250	0	0:29:58	0.4978	44.61
END FLOW 1				
START SHUTIN 1				
252	0	0:30:12	0.5018	44.61
255	0	0:30:34	0.5078	44.62

Company: COLT RESOURCES CORP.  
Well: BOGGS ESTATES 5-9 DST #1  
Field: TKT #22641

[Saturday: Nov. 22, 1997]  
Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
260	0	0:31:10	0.5178	44.62
265	0	0:31:46	0.5278	44.63
270	0	0:32:22	0.5378	44.64
275	0	0:32:58	0.5478	44.65
280	0	0:33:34	0.5578	44.66
285	0	0:34:10	0.5678	44.66
290	0	0:34:46	0.5777	45.63
295	0	0:35:22	0.5877	45.63
300	0	0:35:58	0.5977	45.64
305	0	0:36:34	0.6077	45.65
310	0	0:37:10	0.6177	45.66
315	0	0:37:46	0.6277	46.62
320	0	0:38:21	0.6377	46.63
325	0	0:38:57	0.6477	46.64
330	0	0:39:33	0.6577	48.56
335	0	0:40: 9	0.6677	49.52
340	0	0:40:45	0.6776	50.48
345	0	0:41:21	0.6876	51.44
350	0	0:41:57	0.6976	53.36
355	0	0:42:33	0.7076	54.32
360	0	0:43: 9	0.7176	54.33
365	0	0:43:45	0.7276	56.25
370	0	0:44:21	0.7376	56.26
375	0	0:44:57	0.7476	57.22
380	0	0:45:33	0.7576	58.18
385	0	0:46: 9	0.7675	58.19
390	0	0:46:45	0.7775	58.20
395	0	0:47:21	0.7875	59.16
400	0	0:47:57	0.7975	59.17
405	0	0:48:33	0.8075	59.18
410	0	0:49: 9	0.8175	59.19
415	0	0:49:45	0.8275	59.19
420	0	0:50:21	0.8375	59.20
425	0	0:50:57	0.8475	59.21
430	0	0:51:33	0.8575	59.22
435	0	0:52: 9	0.8675	59.23
440	0	0:52:45	0.8774	60.19
445	0	0:53:21	0.8874	62.11
450	0	0:53:56	0.8974	64.98
455	0	0:54:32	0.9074	67.85
460	0	0:55: 8	0.9174	71.68
465	0	0:55:44	0.9274	75.51
470	0	0:56:20	0.9373	78.38
475	0	0:56:56	0.9473	81.25
480	0	0:57:32	0.9573	84.12
485	0	0:58: 8	0.9673	87.95
490	0	0:58:44	0.9773	90.82
495	0	0:59:20	0.9872	93.70
500	0	0:59:56	0.9972	96.57
505	0	1: 0:32	1.0072	98.49
510	0	1: 1: 8	1.0172	101.36
515	0	1: 1:44	1.0272	103.28
520	0	1: 2:20	1.0372	105.19
		END SHUTIN 1		
		START FLOW 2		
525	0	1: 2:56	1.0472	99.47

Company: COLT RESOURCES CORP.  
 Well: BOGGS ESTATES 5-9 DST #1  
 Field: TKT #22641

[Saturday: Nov. 22, 1997]  
 Page 3

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
530	0	1: 3:32	1.0572	95.66
535	0	1: 4: 8	1.0672	91.85
540	0	1: 4:44	1.0772	88.04
545	0	1: 5:20	1.0872	85.18
550	0	1: 5:56	1.0972	81.37
555	0	1: 6:32	1.1072	79.47
560	0	1: 7: 8	1.1172	75.66
565	0	1: 7:44	1.1272	73.76
570	0	1: 8:20	1.1372	70.90
575	0	1: 8:56	1.1472	69.00
580	0	1: 9:32	1.1572	67.10
585	0	1:10: 8	1.1672	65.19
590	0	1:10:44	1.1772	63.29
595	0	1:11:20	1.1872	62.35
600	0	1:11:56	1.1972	61.40
605	0	1:12:32	1.2072	60.45
610	0	1:13: 8	1.2172	58.55
615	0	1:13:44	1.2272	57.60
620	0	1:14:20	1.2372	56.66
625	0	1:14:56	1.2472	54.75
630	0	1:15:32	1.2572	52.85
635	0	1:16: 8	1.2672	51.91
640	0	1:16:43	1.2771	50.96
645	0	1:17:20	1.2872	50.01
650	0	1:17:55	1.2971	50.02
655	0	1:18:31	1.3071	48.12
660	0	1:19: 7	1.3171	48.13
665	0	1:19:43	1.3271	47.18
670	0	1:20:19	1.3371	47.19
675	0	1:20:55	1.3471	46.24
680	0	1:21:31	1.3571	46.25
685	0	1:22: 7	1.3671	45.30
690	0	1:22:43	1.3771	45.31
695	0	1:23:19	1.3871	44.36
700	0	1:23:55	1.3971	44.37
705	0	1:24:31	1.4071	44.38
710	0	1:25: 7	1.4171	43.43
715	0	1:25:43	1.4270	43.44
720	0	1:26:19	1.4370	43.45
725	0	1:26:55	1.4470	43.45
730	0	1:27:31	1.4570	43.46
735	0	1:28: 7	1.4670	43.47
740	0	1:28:43	1.4770	43.48
745	0	1:29:19	1.4870	43.49
750	0	1:29:55	1.4970	42.54
755	0	1:30:31	1.5070	42.55
760	0	1:31: 7	1.5170	42.56
765	0	1:31:43	1.5270	42.56
770	0	1:32:19	1.5370	42.57
775	0	1:32:55	1.5470	42.58
780	0	1:33:31	1.5569	42.59
785	0	1:34: 7	1.5669	42.60
790	0	1:34:43	1.5769	42.60
795	0	1:35:19	1.5869	42.61
800	0	1:35:55	1.5969	41.66

Company: COLT RESOURCES CORP.  
Well: BOGGS ESTATES 5-9 DST #1  
Field: TKT #22641

[Saturday: Nov. 22, 1997]  
Page 4

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
805	0	1:36:31	1.6069	41.67
810	0	1:37: 7	1.6169	40.73
815	0	1:37:43	1.6269	40.73
820	0	1:38:19	1.6369	40.74
825	0	1:38:55	1.6469	40.75
830	0	1:39:30	1.6569	40.76
835	0	1:40: 6	1.6669	40.77
840	0	1:40:42	1.6769	40.77
845	0	1:41:18	1.6868	40.78
850	0	1:41:54	1.6968	40.79
855	0	1:42:30	1.7068	40.80
860	0	1:43: 6	1.7168	40.81
865	0	1:43:42	1.7268	40.81
870	0	1:44:18	1.7368	39.87
875	0	1:44:54	1.7468	39.87
880	0	1:45:30	1.7568	39.88
885	0	1:46: 6	1.7668	39.89
890	0	1:46:42	1.7768	39.90
END FLOW 2				
START SHUTIN 2				
894	0	1:47:11	1.7848	39.90
895	0	1:47:18	1.7868	39.91
900	0	1:47:54	1.7968	39.91
905	0	1:48:30	1.8067	39.92
910	0	1:49: 6	1.8167	39.93
915	0	1:49:42	1.8267	39.94
920	0	1:50:18	1.8367	39.95
925	0	1:50:54	1.8467	39.95
930	0	1:51:30	1.8567	39.96
935	0	1:52: 6	1.8667	39.97
940	0	1:52:42	1.8767	39.98
945	0	1:53:18	1.8867	39.99
950	0	1:53:54	1.8967	39.99
955	0	1:54:30	1.9067	40.00
960	0	1:55: 6	1.9167	40.01
965	0	1:55:42	1.9266	40.02
970	0	1:56:18	1.9366	40.03
975	0	1:56:54	1.9466	40.03
980	0	1:57:30	1.9566	40.04
985	0	1:58: 6	1.9666	40.05
990	0	1:58:42	1.9766	40.06
995	0	1:59:18	1.9866	40.07
1000	0	1:59:53	1.9966	40.07
1005	0	2: 0:29	2.0066	40.08
1010	0	2: 1: 5	2.0166	40.09
1015	0	2: 1:41	2.0266	40.10
1020	0	2: 2:17	2.0366	40.11
1025	0	2: 2:53	2.0466	40.11
1030	0	2: 3:29	2.0565	40.12
1035	0	2: 4: 5	2.0665	40.13
1040	0	2: 4:41	2.0765	40.14
1045	0	2: 5:17	2.0865	40.14
1050	0	2: 5:53	2.0965	40.15
1055	0	2: 6:29	2.1065	40.16
1060	0	2: 7: 5	2.1165	40.17

Company: COLT RESOURCES CORP.  
Well: BOGGS ESTATES 5-9 DST #1  
Field: TKT #22641

[Saturday: Nov 22, 1997]  
Page 5

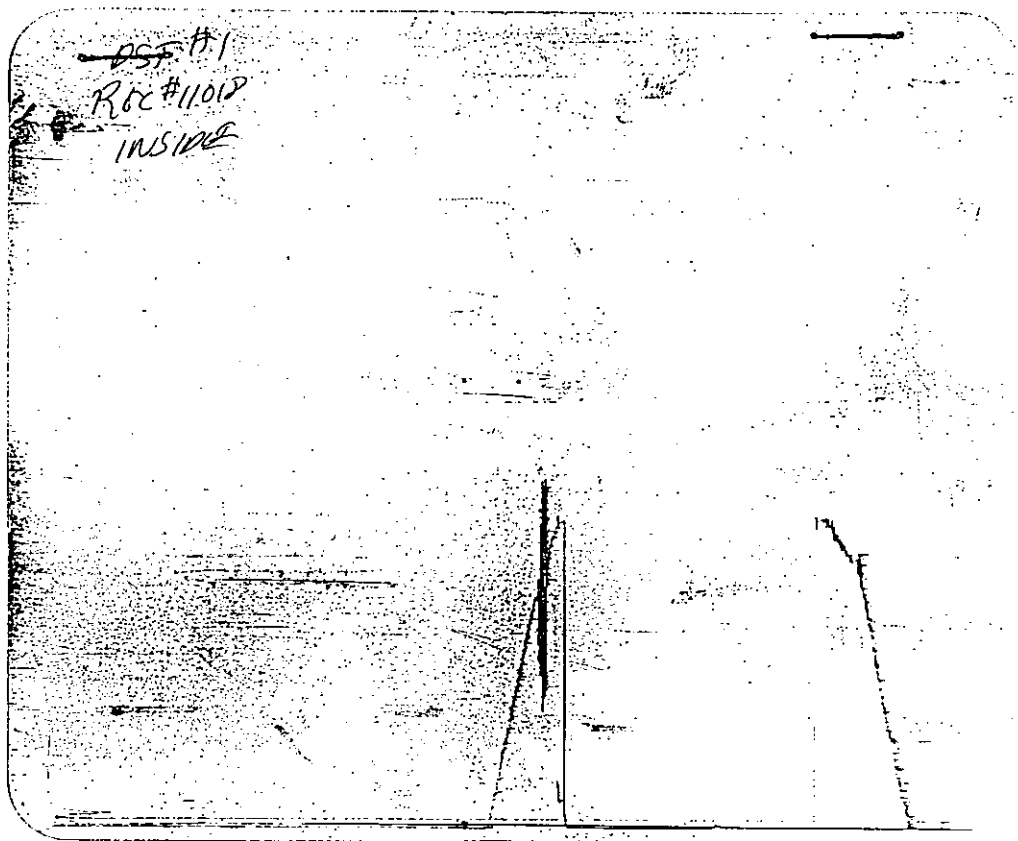
REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1065	0	2: 7:41	2.1265	40.18
1070	0	2: 8:17	2.1365	40.18
1075	0	2: 8:53	2.1465	40.19
1080	0	2: 9:29	2.1565	40.20
1085	0	2:10: 5	2.1665	40.21
1090	0	2:10:41	2.1764	40.22
1095	0	2:11:17	2.1864	40.22
1100	0	2:11:53	2.1964	40.23
1105	0	2:12:29	2.2064	40.24
1110	0	2:13: 5	2.2164	41.20
1115	0	2:13:41	2.2264	42.17
1120	0	2:14:17	2.2364	44.08
1125	0	2:14:53	2.2464	45.05
1130	0	2:15:29	2.2564	46.96
1135	0	2:16: 5	2.2663	48.88
1140	0	2:16:41	2.2763	50.80
1145	0	2:17:16	2.2863	52.72
1150	0	2:17:52	2.2963	54.63
1155	0	2:18:28	2.3063	55.60
1160	0	2:19: 4	2.3163	57.52
1165	0	2:19:40	2.3263	58.48
1170	0	2:20:16	2.3362	59.44
1175	0	2:20:52	2.3462	60.40
1180	0	2:21:28	2.3562	61.37
1185	0	2:22: 4	2.3662	61.37
1190	0	2:22:40	2.3762	61.38
1195	0	2:23:16	2.3862	62.35
1200	0	2:23:52	2.3962	64.26
1205	0	2:24:28	2.4062	65.23
1210	0	2:25: 4	2.4161	66.19
1215	0	2:25:40	2.4261	66.20
1220	0	2:26:16	2.4361	67.16
1225	0	2:26:52	2.4461	67.17
1230	0	2:27:28	2.4561	68.13
1235	0	2:28: 4	2.4661	68.14
1240	0	2:28:40	2.4761	69.10
1245	0	2:29:16	2.4861	70.06
1250	0	2:29:52	2.4961	70.07
1255	0	2:30:28	2.5061	70.08
1260	0	2:31: 4	2.5161	70.09
1265	0	2:31:40	2.5260	71.05
1270	0	2:32:16	2.5360	71.06
1275	0	2:32:51	2.5460	71.07
1280	0	2:33:27	2.5560	71.07
1285	0	2:34: 3	2.5660	71.08
1290	0	2:34:39	2.5760	72.05
1295	0	2:35:15	2.5860	72.05
1300	0	2:35:51	2.5960	72.06
1305	0	2:36:27	2.6060	72.07
1310	0	2:37: 3	2.6160	72.08
1315	0	2:37:39	2.6260	72.09
1320	0	2:38:15	2.6360	72.09
1325	0	2:38:51	2.6459	72.10
1330	0	2:39:27	2.6559	72.11
1335	0	2:40: 3	2.6659	73.07

Company: COLT RESOURCES CORP.  
Well: BOGGS ESTATES 5-9 DST #1  
Field: TKT #22641

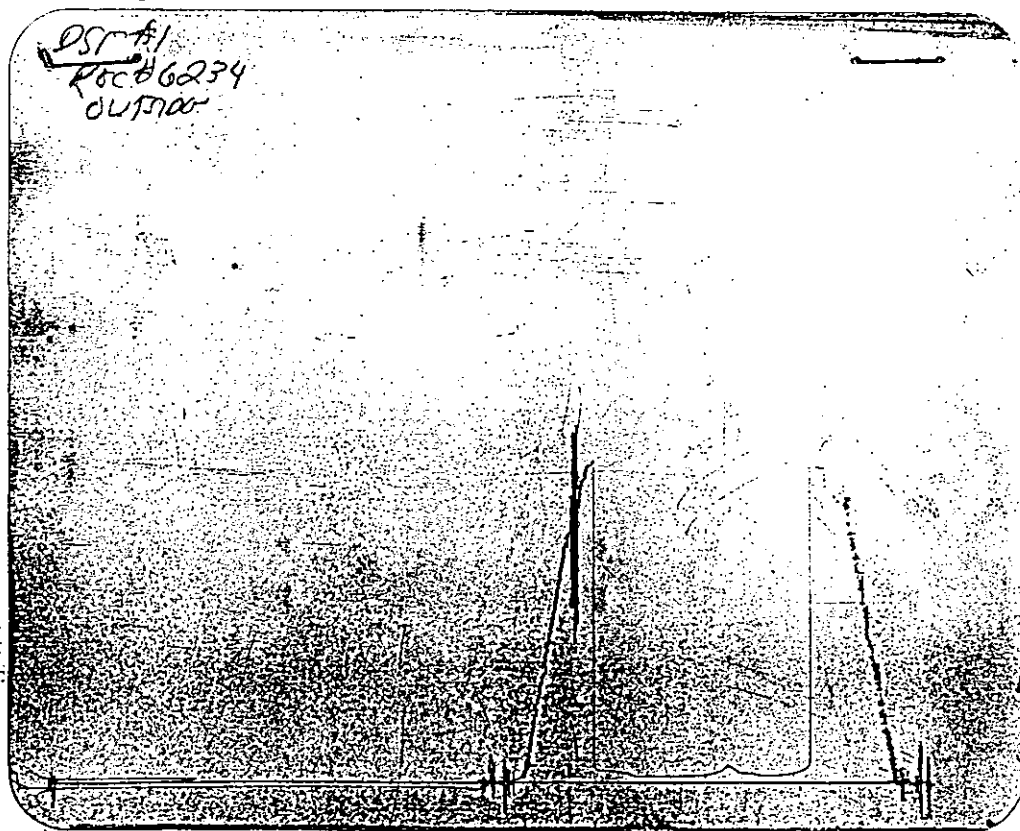
[Saturday: Nov. 22, 1997]  
Page 6

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1340	0	2:40:39	2.6759	74.03
1345	0	2:41:15	2.6859	74.04
1350	0	2:41:51	2.6959	74.05
1355	0	2:42:27	2.7059	74.06
1360	0	2:43: 3	2.7159	74.07

WESTERN TESTING CO., INC.



Inside Recorder



November 30, 1997

Colt Resources Corporation  
16701 Greenspoint Park Drive  
Suite 225  
Houston, TX 77060

RE: Colt Resources Corp.  
Boggs Estate #5-9  
2300' FSL & 1980' FWL  
(10' S of C-N/2-NE-SW)  
Sec. 9-33-12W  
Barber County, Kansas  
Medicine Lodge-Boggs Field  
API No. 15-007-22,545

Submitted herewith is the geological report concerning the above-captioned test. Data pertinent to the operation are tabulated below.

Spud:	11/18/97	Complete:	11/26/97
Contractor:	Duke Drlg., Rig 2	Toolpusher:	John Armbruster
Surf. Csg.:	8 5/8" @ 214'	Prod'n. Csg.:	5 1/2" @ 4989'
Drill Time:	1800' to RTD	Samples:	1800' to RTD
DST's:	(1) Western	Cores:	None
Mud:	Baroid	Open-hole Log:	Schlumberger --
Gas Detector:	MBC Well Logging		DIL, FDC/CNL
Bit Record:	#1 Walker-McDonald	#2 Walker-McDonald	
	7 7/8" 42CF (RR)	7 7/8" 51F	
	In: 215'	In: 3392'	
	Out: 3392'	Out: 4990'	
	Hrs: 53	Hrs: 77 1/2	
Dev. Surveys:	3/4° @ 215'	3/4° @ 3875'	
	1/2° @ 3392'	1/4° @ 4990'	

Geological formation tops as picked from rotary samples and corrected to the open-hole log follow. All measurements are from the kelly bushing elevation.

Elevations: 1530 GL 1538 KB

Heebner Shale	3664 (-2126)	Kinderhook Sh.	4674 (-3136)
Lansing	3856 (-2318)	Chattanooga Sh.	4738 (-3200)
Dennis Poro.	4247 (-2709)	Viola	4778 (-3240)
Swope Poro.	4272 (-2734)	Simpson Shale	4878 (-3340)
Base Kansas City	4316 (-2778)	Simpson Sand	4891 (-3353)
Penn.-Miss. Unconf.	4432 (-2894)	RTD	4990 (-3452)
Mississippi Chert	4439 (-2901)	LTD	4987 (-3449)
Mississippi Lime	4482 (-2944)		

Geological wellsite supervision commenced at 3400' and was maintained through total depth. Rotary samples were examined in both the wet and dry states and were subjected to UV light examination. A portable gas detector/mud logging unit was also employed during the drilling operation.

Nov 24 1997

Wichita, Kansas



Zones of interest encountered in the Boggs Estate #5-9 were evaluated as follows. All depth intervals are from the open-hole log.

3866-70 Lansing-Kansas City: Limestone. Tan. Fine crystalline. Highly oolitic with good oomoldic porosity. Faint odor, 75% dull tray fluorescence, scattered brown stain. A few pieces broke gas bubbles. No shows of free oil. Gas kicks of 180 units chromatograph and 160 units hot wire were noted.

Cross-plot Porosity: 15%  
Resistivity: 55 ohms  
Water Saturation: 18% (no correction was made for cementation exponent)

This zone was evaluated by Drill Stem Test #1.

DST #1: 3858-73 (Corr. to log)  
30-45-45-60

IF: Strong blow, bottom of bucket in 1 minute.

FF: Strong blow, gas to surface in 5 minutes -- too small to measure.

Recovery: 60' of gas cut mud

IHH: 1805#  
IFP's: 45-48#  
ISIP: 90#  
FFP's: 48-48#  
FSIP: 102#  
FHH: 1774#  
BHT: 108°F

This zone obviously lacks permeability and is not considered worthy of further testing.

3888-91 Lansing-Kansas City: Limestone. Tan. Fine crystalline. Scattered fair vuggy porosity. No shows. Zone also contained white, soft, chalky limestone.

Cross-plot Porosity: 9%  
Resistivity: 16 ohms  
Water Saturation: 56%

This zone is not considered worthy of further testing.

3910-22 Lansing-Kansas City: Limestone. Cream, tan, light gray. Fine to medium crystalline. Fossiliferous. Fair to good vuggy and fossil mold porosity. No shows. The zone contained abundant white chalk.

Cross-plot Porosity: 11.7%  
Resistivity: 6 ohms  
Water Saturation: 70%

This zone is not considered worthy of further testing.

Wichita, Kansas

3936-40 Lansing-Kansas City: Limestone. Tan, light gray. Fine to medium crystalline. Fossiliferous. Fair vuggy and fossil mold porosity. No shows. The zone contained scattered white, soft, chalky limestone.

Cross-plot Porosity: 12.5%  
Resistivity: 7 ohms  
Water Saturation: 60%

This zone is not considered worthy of further testing.

3946-52 Lansing-Kansas City: Limestone. Tan, light gray. Fine to medium crystalline. Fossiliferous. Fair vuggy and fossil mold porosity. No shows. Scattered white, soft, chalky limestone.

Cross-plot Porosity: 16%  
Resistivity: 3 ohms  
Water Saturation: 72%

This zone is not considered worthy of further testing.

4010-16 Lansing-Kansas City: Limestone. Tan. Fine crystalline. Oolitic with poor oomoldic porosity development. No shows.

Cross-plot Porosity: 13.5%  
Resistivity: 4 ohms  
Water Saturation: 74%

This zone is not considered worthy of further testing.

4034-42 Lansing-Kansas City: Limestone. Tan, brown. Fine crystalline. Fossiliferous and oolitic in part. Poor to fair fossil mold porosity. Poor oomoldic porosity. No shows.

Cross-plot Porosity: 16.75%  
Resistivity: 12 ohms  
Water Saturation: 34% (no correction was made for cementation exponent)

This zone is not considered worthy of further testing.

4132-38 Lansing-Kansas City: Limestone. Cream, light tan, light gray. Fine to medium crystalline. Dense. No visual porosity. No shows. The zone contained white, soft chalk.

Cross-plot Porosity: 8%  
Resistivity: 10 ohms  
Water Saturation: 79%

MAR 24 1998

This zone is not considered worthy of further testing.

MINING DIVISION  
Topeka, Kansas

4152-74 Lansing-Kansas City: Limestone. Cream, light tan, light gray. Fine to medium crystalline. Sub-chalky in part. Scattered

fair to good vuggy porosity. No visual shows. A 15 unit hot wire kick was observed while drilling this zone.

Cross-plot Porosity: 14%  
Resistivity: 1.75 ohms  
Water Saturation: 100%

This zone is not considered worthy of further testing.

4247-52 Dennis Limestone: Limestone. Tan, gray, brown. Fine to medium crystalline. Fossiliferous in part. Few pieces were sparsely oolitic. No visual porosity was noted.

Cross-plot Porosity: 10.5%  
Resistivity: 10 ohms  
Water Saturation: 60%

This zone is not considered worthy of further testing.

4272-84 Swope Limestone: Limestone. Light tan, light gray. Fine to medium crystalline. Sparsely oolitic with poor, scattered oomoldic porosity. No shows. The zone contained abundant cream, sub-chalky to white, chalky limestone.

Cross-plot Porosity: 10.5%  
Resistivity: 4 ohms  
Water Saturation: 95%

This zone is not considered worthy of further testing.

4438-46 Mississippi Chert: Chert. White, light gray, light tan. Opaque to semitranslucent. Vitreous. Sharp. Scattered (15-20%) tripolitic porosity. Brown stain in porosity. Scattered brown edge stain. Weak odor. Spotty (5%) fluorescence. Gas kicks of 50 units chromatograph and 65 units hot wire were observed while circulating this zone.

Cross-plot Porosity: 13.75% to 27.9%  
Resistivity: 6 to 15 ohms  
Water Saturation: 28 to 40%

This zone should be considered for testing through perforations.

4448-62 Mississippi Chert: Chert as described above with several pieces (5%) of highly weathered, devitrified chert ("chat") with total brown saturation and a fair show of free oil. Tray fluorescence increased to 50 to 60%. Sample carried a weak odor. Gas kicks increased to 72 units chromatograph and 76 units hot wire.

Cross-plot Porosity: 14.2% to 23.9%  
Resistivity: 5 to 15 ohms  
Water Saturation: 33 to 48%

This zone should be considered for testing through perforations.

4464-76 Mississippi Chert: Chert. Primarily light gray and light tan, opaque to semitranslucent, vitreous, sharp to blocky with good tripolitic porosity. Brown stain in all porosity. Sample also contained some (5% or less) partially weathered, devitrified chert with near total saturation. Overall sample carried a fair odor, 70% dull tray fluorescence, scattered (10%) brown edge stain, and a show of free gassy oil in the weathered chert. Gas kicks of 68 units chromatograph and 156 units hot wire were noted.

Cross-plot Porosity: 14.5% to 19.6%  
Resistivity: 7 to 11 ohms  
Water Saturation: 31 to 44%

This zone should be considered for testing through perforations.

4786-96 Viola: Limestone. White, light gray. Medium to coarse crystalline. Dense with dark intercrystalline striations (non-hydrocarbon). Also, Dolomite, tan to light gray, fine crystalline, finely sucrosic, dense. No visual porosity was noted in either the limestone or the dolomite. Zone also contained scattered white and light blue-gray, opaque to semitranslucent, sharp, dense chert. The 40-minute circulating sample contained three pieces of dolomite, as described above, that carried a yellow fluorescence and broke a few gas bubbles. No gas kicks were noted while circulating this zone.

Cross-plot Porosity: 0.9% to 8.3%  
Resistivity: 8 to 70 ohms  
Water Saturation: 69 to 100%

It is felt that a completion in this zone would result in a non-commercially high water-cut to near 100% water production.

4896-4902 Simpson Sand: Sand. Large, loose clear quartz grains. No clusters. Well rounded and well sorted. No visual shows. Gas kicks of 28 units chromatograph and 21 units hot wire.

Cross-plot Porosity: 8.25% to 10.35%  
Resistivity: 5.5 to 7 ohms  
Water Saturation: 68 to 99%  
Bulk Volume Water: .0704 to .0817

Generally, as concerns the Simpson Sand in the Sedgwick Basin, Bulk Volume Water Values of .063 or less show 100% oil production; values of .064 to .09 show varying degrees of oil and water production; and values of .09 and higher show traces of oil to 100% water production. The Bulk Volume Water values calculated for this zone would appear to indicate some oil production, probably with a high water-cut. Porosity is low for a clean sandstone, but permeability is probably relatively high. This zone might be considered for testing through perforations.

4904-08 Simpson Sand: Sandstone. White, clear quartz. Fine grained. Well rounded and well sorted. Very slightly glauconitic and pyritic. Friable with fair to good intergranular porosity. No shows noted. Gas kicks of 36 units chromatograph and

13 units hot wire.

Cross-plot Porosity: 14% to 14.5%  
Resistivity: 1.5 to 1.6 ohms  
Water Saturation: 98 to 100%  
Bulk Volume Water: .1400 to .1425

This zone is not considered worthy of further testing.

4912-18 Simpson Sand: Sandstone. White, clear quartz. Fine grained. Well rounded and well sorted. Friable with good intergranular porosity. No visual hydrocarbon shows. Gas kicks of 38 units chromatograph and 28 units hot wire were observed.

Cross-plot Porosity: 13.7% to 17%  
Resistivity: 1.5 to 2 ohms  
Water Saturation: 75 to 99%  
Bulk Volume Water: .1274 to .1470

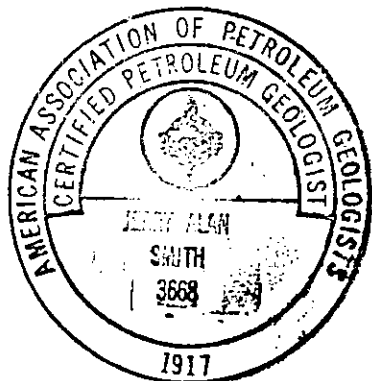
This zone is not considered worthy of further testing.

#### Commentary

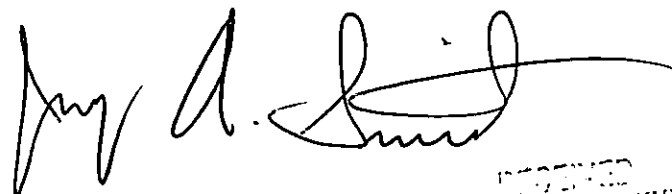
The Boggs Estate #5-9 ran generally flat to somewhat low, structurally, to nearby control down to the top of the Mississippian, where an approximately 43' chert section developed. This indicates that the #5-9 is situated on the eastern flank of the Boggs Field structure. On the lower Mississippian and Ordovician horizons, the #5-9 ran appreciably lower than the Boggs Estate #4-9.

The Mississippian Chert should be commercially productive in the Boggs Estate #5-9. The chert section from 4439' to 4476' (KB log) should be considered for selective perforations followed by acid and probable frac treatment as necessary.

Bulk Volume Water calculations indicate that the Simpson Sand from 4896' to 4902' (KB log) may hold some production potential. A high water-cut, however, should be anticipated.



Respectfully submitted,



Jerry A. Smith, C.P.G.#3668

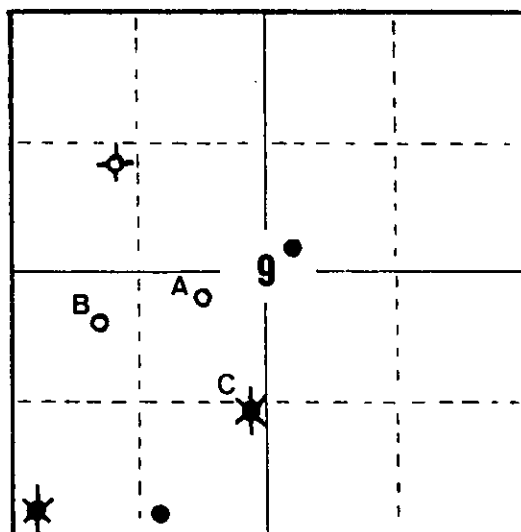
Wellsite Geologist

RECEIVED  
FEB 24 1966

STRUCTURAL COMPARISON  
KEY HORIZONS/KEY CONTROL WELLS

	"A" <u>COLT RESOURCES</u> BOGGS ESTATE #5-9 2300'FSL & 1980'FWL Sec. 9-33-12W	"B" <u>COLT RESOURCES</u> BOGGS ESTATE #4-9 2050'FSL & 820'FWL Sec. 9-33-12W	"C" <u>COLT RESOURCES</u> BOGGS ESTATE #3-9 1300'FSL & 2480'FWL Sec. 9-33-12W
Heebner Sh.	-2126	-2117	-2128
Lansing	-2318	-2312	-2320
Mississippian	-2894	-2874	-2896
Kinderhook Sh.	-3136	-3039	-3122
Viola	-3240	-3146	-3230
Simpson Ss.	-3353	-3255	-3358
Arbuckle	DNP	-3367	DNP
		(Awaiting Comp.)	(Miss. Prod'n.)

All subsea data were calculated from open-hole logs.



RECEIVED  
MAR 24 1980

HORIZONTAL DISPLACEMENT

DUE TO

BOREHOLE DEVIATION

Operator	Colt Resources Corp.	Contractor	Duke Drilling Co.
Well Name	Boggs Estate #5-9	Rig No.	2
Location	Sec. 9-33-12W	Spud Date	11/18/97
County	Barber	Comp. Date	11/26/97
State	Kansas	Toolpusher	John Armbruster
Field	Medicine Lodge-Boggs	Geologist	Jerry A. Smith

<u>Survey #</u>	<u>Depth</u>	<u>Course Length</u>	<u>Dev. (°)</u>	<u>Displacement Per 100'<sup>a</sup></u>	<u>Course Displacement<sup>b</sup></u>	<u>Cumulative Displacement</u>
1	215'	215'	3/4°	1.310	2.82'	2.82'
2	3392'	3177'	1/2°	0.873	27.74'	30.56'
3	3875'	483'	3/4°	1.310	6.33'	36.89'
4	4990'	1115'	1/4°	0.436	4.86'	41.75'
5						
6						
7						
8						
9						
10						

<sup>a</sup> Sine of Angle of Dev. X 100

<sup>b</sup> (Course Length/100) X (Displacement Per 100')

RECEIVED  
 MAR 24 1998  
 CONSERVATION DIVISION  
 Wichita, Kansas

DAILY DRILLING PROGRESS

- 11/18/97 MIRT. RUR. Spud at 2:15 PM. Drld. surface hole to 215' (KB). 3/4° Dev. at 215'. Set 8 5/8", 24# Surf. Csg. at 214'. PD at 6:30 PM. WOC 8 hrs. Drill plug at 2:30 AM (11/19).
- 11/19/97 Drlg. at 735' at 7:00 AM. Drld. 520' last 4½ hrs.
- 11/20/97 Drlg. at 2295' at 7:00 AM. Drld. 1560' last 24 hrs.
- 11/21/97 Drlg. at 3150' at 7:00 AM. Drld. 855' last 24 hrs. GOL 3400'. Mud-up at 3350'. Bit Trip at 3392'. 1/2° Dev. at 3392'.
- 11/22/97 Drlg. at 3783' at 7:00 AM. Drld. 633' last 24 hrs. DST #1 3860-75 (Top of Lansing). 3/4° Dev. at 3875'.
- 11/23/97 Drlg. at 4025' at 7:00 AM. Drld. 242' last 24 hrs.
- 11/24/97 Drlg. at 4431' at 7:00 AM. Drld. 406' last 24 hrs.
- 11/25/97 Drlg. at 4764' at 7:00 AM. Drld. 333' last 24 hrs. RTD (4990') reached at 10:07 PM. CFS. Pull Short Trip. Circ. for logs. TOH for logs. Commence logging at 5:00 AM (11/26). LTD 4987'.
- 11/26/97 Logging at 7:00 AM. Logging complete at 7:30 AM. TIH after logs. Prep. to LDDP and run 5½" Prod'n. Csg.

RECEIVED  
STATE CORPORATION COMMISSION

MAR 24 1998



DST REPORT

GENERAL INFORMATION

ORIGINAL

15-007-22545

DATE : 11-22-1997  
CUSTOMER : COLT RESOURCES CORP.  
WELL : 5-9 TEST: 1  
ELEVATION: 1538 K.B.  
SECTION : 9  
RANGE : 12W COUNTY: BARBER  
GAUGE SN#: 11018 RANGE : 4425  
TICKET : 22641  
LEASE : BOGGS ESTATE  
GEOLOGIST: JERRY SMITH  
FORMATION: LKC  
TOWNSHIP : 33S  
STATE : KS  
CLOCK : 12 HR.

WELL INFORMATION

PERFORATION INTERVAL FROM: 3860.00 ft TO: 3875.00 ft TVD: 3875.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 3863.0 ft 3872.0 ft  
TEMPERATURE: 108.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3840.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	15.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :	4.5 XH
PACKER DEPTH:	3855.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3860.0 ft	SIZE:	6.630 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE RIG #2  
MUD TYPE : CHEMICAL  
WEIGHT : 9.100 ppg  
CHLORIDES : 6000 ppm  
JARS-MAKE : NONE  
DID WELL FLOW?: NO  
VISCOSITY : 42.00 cp  
WATER LOSS: 12.000 cc  
SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW OFF BOTTOM OF  
BUCKET IN 1 MINUTE  
FINAL FLOW PERIOD STRONG BLOW GAS TO SURFACE IN

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

JAN 10 1970

Comment

5 MINUTES TO SMALL TO MEASURE GAS DID BURN

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	0.0	10.0	0.0	90.0	GAS CUT DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	75.0000 min.
GAS VOLUME:	0.4725 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.7574 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.7574 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1805.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	45.00	48.00
INITIAL SHUT-IN	45.00		90.00
FINAL FLOW	45.00	48.00	48.00
FINAL SHUT-IN	60.00		102.00

FINAL HYDROSTATIC PRESSURE: 1774.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1812.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	113.92	44.61
INITIAL SHUT-IN	45.00		105.19
FINAL FLOW	45.00	99.47	39.90
FINAL SHUT-IN	60.00		74.07

FINAL HYDROSTATIC PRESSURE: 1798.00

Company: COLT RESOURCES CORP.  
 Well: BOGGS ESTATES 5-9 DST #1  
 Field: TKT #22641

[Saturday: Nov 22, 1997]  
 Page 1

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
START FLOW 1				
1	0	0: 0: 6	0.0000	113.92
5	0	0: 0:35	0.0080	113.92
10	0	0: 1:11	0.0180	105.34
15	0	0: 1:47	0.0280	97.71
20	0	0: 2:23	0.0380	92.94
25	0	0: 2:59	0.0480	89.13
30	0	0: 3:35	0.0580	85.32
35	0	0: 4:11	0.0681	82.46
40	0	0: 4:47	0.0781	79.60
45	0	0: 5:23	0.0881	77.70
50	0	0: 5:59	0.0981	74.85
55	0	0: 6:35	0.1081	73.90
60	0	0: 7:11	0.1181	71.04
65	0	0: 7:47	0.1280	70.10
70	0	0: 8:23	0.1380	68.19
75	0	0: 8:59	0.1480	66.29
80	0	0: 9:35	0.1580	64.39
85	0	0:10:11	0.1680	63.44
90	0	0:10:47	0.1780	60.59
95	0	0:11:23	0.1880	60.59
100	0	0:11:59	0.1980	58.69
105	0	0:12:35	0.2080	57.75
110	0	0:13:11	0.2180	55.84
115	0	0:13:47	0.2280	54.90
120	0	0:14:23	0.2380	53.95
125	0	0:14:59	0.2480	53.00
130	0	0:15:35	0.2580	53.01
135	0	0:16:11	0.2680	52.06
140	0	0:16:46	0.2780	51.12
145	0	0:17:22	0.2880	51.13
150	0	0:17:58	0.2980	50.18
155	0	0:18:34	0.3080	49.23
160	0	0:19:10	0.3180	48.28
165	0	0:19:46	0.3280	48.29
170	0	0:20:22	0.3379	47.35
175	0	0:20:58	0.3479	47.35
180	0	0:21:34	0.3579	46.41
185	0	0:22:10	0.3679	46.41
190	0	0:22:46	0.3779	45.47
195	0	0:23:22	0.3879	45.48
200	0	0:23:58	0.3979	45.48
205	0	0:24:34	0.4079	45.49
210	0	0:25:10	0.4179	45.50
215	0	0:25:46	0.4279	45.51
220	0	0:26:22	0.4379	45.52
225	0	0:26:58	0.4479	45.52
230	0	0:27:34	0.4579	45.53
235	0	0:28:10	0.4678	45.54
240	0	0:28:46	0.4778	45.55
245	0	0:29:22	0.4878	45.56
250	0	0:29:58	0.4978	44.61
END FLOW 1				
START SHUTIN 1				
252	0	0:30:12	0.5018	44.61
255	0	0:30:34	0.5078	44.62

Company: COLT RESOURCES CORP.  
 Well: BOGGS ESTATES 5-9 DST #1  
 Field: TKT #22641

[Saturday: Nov. 22, 1997]  
 Page 2

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
260	0	0:31:10	0.5178	44.62
265	0	0:31:46	0.5278	44.63
270	0	0:32:22	0.5378	44.64
275	0	0:32:58	0.5478	44.65
280	0	0:33:34	0.5578	44.66
285	0	0:34:10	0.5678	44.66
290	0	0:34:46	0.5777	45.63
295	0	0:35:22	0.5877	45.63
300	0	0:35:58	0.5977	45.64
305	0	0:36:34	0.6077	45.65
310	0	0:37:10	0.6177	45.66
315	0	0:37:46	0.6277	46.62
320	0	0:38:21	0.6377	46.63
325	0	0:38:57	0.6477	46.64
330	0	0:39:33	0.6577	48.56
335	0	0:40: 9	0.6677	49.52
340	0	0:40:45	0.6776	50.48
345	0	0:41:21	0.6876	51.44
350	0	0:41:57	0.6976	53.36
355	0	0:42:33	0.7076	54.32
360	0	0:43: 9	0.7176	54.33
365	0	0:43:45	0.7276	56.25
370	0	0:44:21	0.7376	56.26
375	0	0:44:57	0.7476	57.22
380	0	0:45:33	0.7576	58.18
385	0	0:46: 9	0.7675	58.19
390	0	0:46:45	0.7775	58.20
395	0	0:47:21	0.7875	59.16
400	0	0:47:57	0.7975	59.17
405	0	0:48:33	0.8075	59.18
410	0	0:49: 9	0.8175	59.19
415	0	0:49:45	0.8275	59.19
420	0	0:50:21	0.8375	59.20
425	0	0:50:57	0.8475	59.21
430	0	0:51:33	0.8575	59.22
435	0	0:52: 9	0.8675	59.23
440	0	0:52:45	0.8774	60.19
445	0	0:53:21	0.8874	62.11
450	0	0:53:56	0.8974	64.98
455	0	0:54:32	0.9074	67.85
460	0	0:55: 8	0.9174	71.68
465	0	0:55:44	0.9274	75.51
470	0	0:56:20	0.9373	78.38
475	0	0:56:56	0.9473	81.25
480	0	0:57:32	0.9573	84.12
485	0	0:58: 8	0.9673	87.95
490	0	0:58:44	0.9773	90.82
495	0	0:59:20	0.9872	93.70
500	0	0:59:56	0.9972	96.57
505	0	1: 0:32	1.0072	98.49
510	0	1: 1: 8	1.0172	101.36
515	0	1: 1:44	1.0272	103.28
520	0	1: 2:20	1.0372	105.19
		END SHUTIN 1		
		START FLOW 2		
525	0	1: 2:56	1.0472	99.47

Company: COLT RESOURCES CORP.  
 Well: BOGGS ESTATES 5-9 DST #1  
 Field: TKT #22641

[Saturday: Nov. 22, 1997]  
 Page 3

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
530	0	1: 3:32	1.0572	95.66
535	0	1: 4: 8	1.0672	91.85
540	0	1: 4:44	1.0772	88.04
545	0	1: 5:20	1.0872	85.18
550	0	1: 5:56	1.0972	81.37
555	0	1: 6:32	1.1072	79.47
560	0	1: 7: 8	1.1172	75.66
565	0	1: 7:44	1.1272	73.76
570	0	1: 8:20	1.1372	70.90
575	0	1: 8:56	1.1472	69.00
580	0	1: 9:32	1.1572	67.10
585	0	1:10: 8	1.1672	65.19
590	0	1:10:44	1.1772	63.29
595	0	1:11:20	1.1872	62.35
600	0	1:11:56	1.1972	61.40
605	0	1:12:32	1.2072	60.45
610	0	1:13: 8	1.2172	58.55
615	0	1:13:44	1.2272	57.60
620	0	1:14:20	1.2372	56.66
625	0	1:14:56	1.2472	54.75
630	0	1:15:32	1.2572	52.85
635	0	1:16: 8	1.2672	51.91
640	0	1:16:43	1.2771	50.96
645	0	1:17:20	1.2872	50.01
650	0	1:17:55	1.2971	50.02
655	0	1:18:31	1.3071	48.12
660	0	1:19: 7	1.3171	48.13
665	0	1:19:43	1.3271	47.18
670	0	1:20:19	1.3371	47.19
675	0	1:20:55	1.3471	46.24
680	0	1:21:31	1.3571	46.25
685	0	1:22: 7	1.3671	45.30
690	0	1:22:43	1.3771	45.31
695	0	1:23:19	1.3871	44.36
700	0	1:23:55	1.3971	44.37
705	0	1:24:31	1.4071	44.38
710	0	1:25: 7	1.4171	43.43
715	0	1:25:43	1.4270	43.44
720	0	1:26:19	1.4370	43.45
725	0	1:26:55	1.4470	43.45
730	0	1:27:31	1.4570	43.46
735	0	1:28: 7	1.4670	43.47
740	0	1:28:43	1.4770	43.48
745	0	1:29:19	1.4870	43.49
750	0	1:29:55	1.4970	42.54
755	0	1:30:31	1.5070	42.55
760	0	1:31: 7	1.5170	42.56
765	0	1:31:43	1.5270	42.56
770	0	1:32:19	1.5370	42.57
775	0	1:32:55	1.5470	42.58
780	0	1:33:31	1.5569	42.59
785	0	1:34: 7	1.5669	42.60
790	0	1:34:43	1.5769	42.60
795	0	1:35:19	1.5869	42.61
800	0	1:35:55	1.5969	41.66

Company: COLT RESOURCES CORP.  
Well: BOGGS ESTATES 5-9 DST #1  
Field: TKT #22641

[Saturday: Nov. 22, 1997]  
Page 4

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
805	0	1:36:31	1.6069	41.67
810	0	1:37: 7	1.6169	40.73
815	0	1:37:43	1.6269	40.73
820	0	1:38:19	1.6369	40.74
825	0	1:38:55	1.6469	40.75
830	0	1:39:30	1.6569	40.76
835	0	1:40: 6	1.6669	40.77
840	0	1:40:42	1.6769	40.77
845	0	1:41:18	1.6868	40.78
850	0	1:41:54	1.6968	40.79
855	0	1:42:30	1.7068	40.80
860	0	1:43: 6	1.7168	40.81
865	0	1:43:42	1.7268	40.81
870	0	1:44:18	1.7368	39.87
875	0	1:44:54	1.7468	39.87
880	0	1:45:30	1.7568	39.88
885	0	1:46: 6	1.7668	39.89
890	0	1:46:42	1.7768	39.90
		END FLOW 2		
		START SHUTIN 2		
894	0	1:47:11	1.7848	39.90
895	0	1:47:18	1.7868	39.91
900	0	1:47:54	1.7968	39.91
905	0	1:48:30	1.8067	39.92
910	0	1:49: 6	1.8167	39.93
915	0	1:49:42	1.8267	39.94
920	0	1:50:18	1.8367	39.95
925	0	1:50:54	1.8467	39.95
930	0	1:51:30	1.8567	39.96
935	0	1:52: 6	1.8667	39.97
940	0	1:52:42	1.8767	39.98
945	0	1:53:18	1.8867	39.99
950	0	1:53:54	1.8967	39.99
955	0	1:54:30	1.9067	40.00
960	0	1:55: 6	1.9167	40.01
965	0	1:55:42	1.9266	40.02
970	0	1:56:18	1.9366	40.03
975	0	1:56:54	1.9466	40.03
980	0	1:57:30	1.9566	40.04
985	0	1:58: 6	1.9666	40.05
990	0	1:58:42	1.9766	40.06
995	0	1:59:18	1.9866	40.07
1000	0	1:59:53	1.9966	40.07
1005	0	2: 0:29	2.0066	40.08
1010	0	2: 1: 5	2.0166	40.09
1015	0	2: 1:41	2.0266	40.10
1020	0	2: 2:17	2.0366	40.11
1025	0	2: 2:53	2.0466	40.11
1030	0	2: 3:29	2.0565	40.12
1035	0	2: 4: 5	2.0665	40.13
1040	0	2: 4:41	2.0765	40.14
1045	0	2: 5:17	2.0865	40.14
1050	0	2: 5:53	2.0965	40.15
1055	0	2: 6:29	2.1065	40.16
1060	0	2: 7: 5	2.1165	40.17

Company: COLT RESOURCES CORP.  
Well: BOGGS ESTATES 5-9 DST #1  
Field: TKT #22641

[Saturday: Nov 22, 1997]  
Page 5

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1065	0	2: 7:41	2.1265	40.18
1070	0	2: 8:17	2.1365	40.18
1075	0	2: 8:53	2.1465	40.19
1080	0	2: 9:29	2.1565	40.20
1085	0	2:10: 5	2.1665	40.21
1090	0	2:10:41	2.1764	40.22
1095	0	2:11:17	2.1864	40.22
1100	0	2:11:53	2.1964	40.23
1105	0	2:12:29	2.2064	40.24
1110	0	2:13: 5	2.2164	41.20
1115	0	2:13:41	2.2264	42.17
1120	0	2:14:17	2.2364	44.08
1125	0	2:14:53	2.2464	45.05
1130	0	2:15:29	2.2564	46.96
1135	0	2:16: 5	2.2663	48.88
1140	0	2:16:41	2.2763	50.80
1145	0	2:17:16	2.2863	52.72
1150	0	2:17:52	2.2963	54.63
1155	0	2:18:28	2.3063	55.60
1160	0	2:19: 4	2.3163	57.52
1165	0	2:19:40	2.3263	58.48
1170	0	2:20:16	2.3362	59.44
1175	0	2:20:52	2.3462	60.40
1180	0	2:21:28	2.3562	61.37
1185	0	2:22: 4	2.3662	61.37
1190	0	2:22:40	2.3762	61.38
1195	0	2:23:16	2.3862	62.35
1200	0	2:23:52	2.3962	64.26
1205	0	2:24:28	2.4062	65.23
1210	0	2:25: 4	2.4161	66.19
1215	0	2:25:40	2.4261	66.20
1220	0	2:26:16	2.4361	67.16
1225	0	2:26:52	2.4461	67.17
1230	0	2:27:28	2.4561	68.13
1235	0	2:28: 4	2.4661	68.14
1240	0	2:28:40	2.4761	69.10
1245	0	2:29:16	2.4861	70.06
1250	0	2:29:52	2.4961	70.07
1255	0	2:30:28	2.5061	70.08
1260	0	2:31: 4	2.5161	70.09
1265	0	2:31:40	2.5260	71.05
1270	0	2:32:16	2.5360	71.06
1275	0	2:32:51	2.5460	71.07
1280	0	2:33:27	2.5560	71.07
1285	0	2:34: 3	2.5660	71.08
1290	0	2:34:39	2.5760	72.05
1295	0	2:35:15	2.5860	72.05
1300	0	2:35:51	2.5960	72.06
1305	0	2:36:27	2.6060	72.07
1310	0	2:37: 3	2.6160	72.08
1315	0	2:37:39	2.6260	72.09
1320	0	2:38:15	2.6360	72.09
1325	0	2:38:51	2.6459	72.10
1330	0	2:39:27	2.6559	72.11
1335	0	2:40: 3	2.6659	73.07

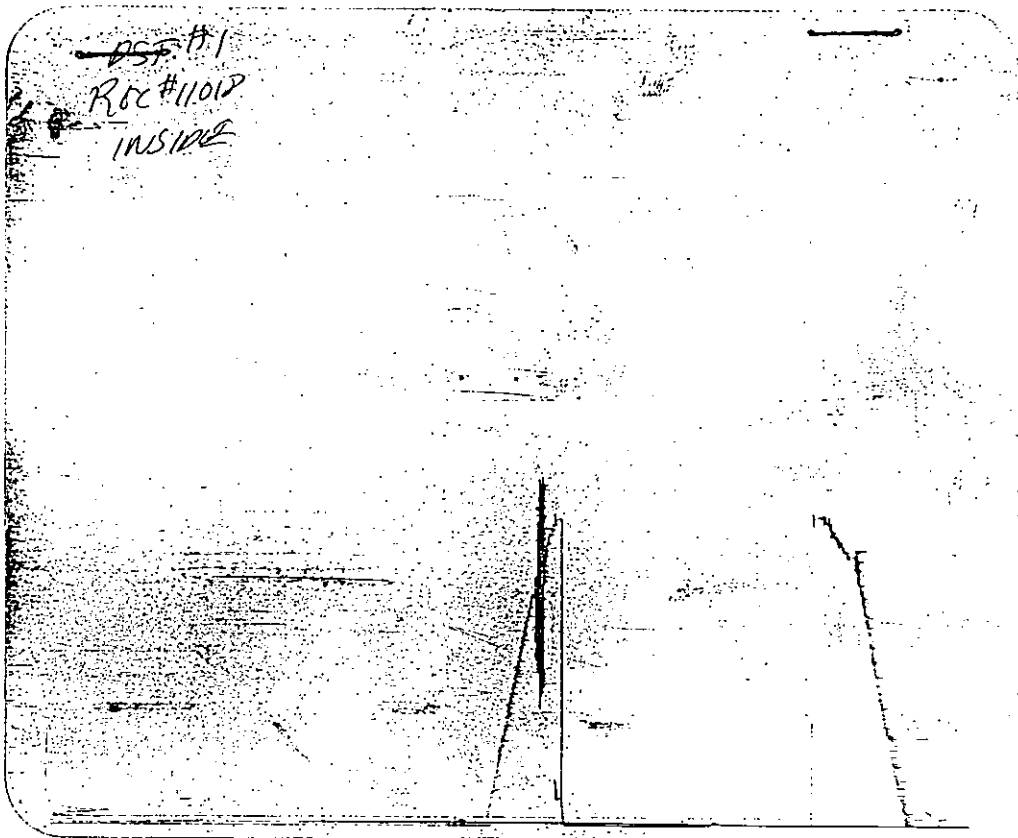


Company: COLT RESOURCES CORP.  
Well: BOGGS ESTATES 5-9 DST #1  
Field: TKT #22641

[Saturday: Nov. 22, 1997]  
Page 6

REC #	DAY	REAL TIME	DT (HRS)	BHP (PSIA)
1340	0	2:40:39	2.6759	74.03
1345	0	2:41:15	2.6859	74.04
1350	0	2:41:51	2.6959	74.05
1355	0	2:42:27	2.7059	74.06
1360	0	2:43: 3	2.7159	74.07

WESTERN TESTING CO., INC.



Inside Recorder

