FORM MUST BE TYPED

ORIGINAL

SIDE ONE

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: Farmland

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
X New Well ____ Re-Entry ____ Workover

X Oil ____ SWD ____ SIOW ____ Temp. Abd.
____ Gas ____ ENHR ____ SIGW
____ Dry ____ Other (Core, WSW, 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 ____ PBTD
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

11-07-97 (Spud Date) 11-16-97 (Date Reached TD) 01-15-98 (Completion Date)

API NO. 15- 007-22,544-0000

County Barber

C - NW - SW - Sec. 9 Twp. 33 Rge. 12 E X W

2050 Feet from (S)/N (circle one) Line of Section

820 Feet from E/(W) (circle one) Line of Section

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

Lease Name Boggs Well # 4-9

Field Name Medicine Lodge-Boggs

Producing Formation Viola

Elevation: Ground 1522' KB 1530'

Total Depth 4943' PBTD 4950'

Amount of Surface Pipe Set and Cemented at 210 Feet

Multiple Stage Cementing Collar Used? ____ Yes X No

If yes, show depth set ____ Feet

If Alternate II completion, cement circulated from ____

feet depth to ____ w/ ____ sx cmt.

Drilling Fluid Management Plan AH. 1, 5-29-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 55,000 ppm Fluid volume 480 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 E/W

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 complie 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 Commission Expires 10-29-2001

DIANNE H. SMITH
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
OCT. 29, 2001

K.C.C. OFFICE USE ONLY
F ____ Letter of Confidentiality Attached
C ____ Wireline Log Received
C ____ Geologist Report Received

Distribution
____ KCC ____ SWD/Rep ____ NGPA
____ KGS ____ Plug ____ Other (Specify)

RECEIVED
STATE CORPORATION COMMISSION
MAR 10 1998
CONSERVATION DIVISION
Wichita, Kansas

Form ACO-1 (7-91)

SIDE TWO

Operator Name COLT RESOURCES CORPORATION Lease Name Boggs Well # 4-9

Sec. 9 Twp. 33 Rge. 12 ☐ East ☒ West County Barber

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests givir 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 shee if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) ☒ Yes ☐ No

Samples Sent to Geological Survey ☒ Yes ☐ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run:

DIL, FDC/CNL, SONIC

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

Name	Top	Datum
Heebner Shale	3647	(-2117)
Lansing	3842	(-2312)
Dennis Poro.	4221	(-2691)
Swope Poro.	4244	(-2714)
Base Kansas City	4289	(-2759)
Mississippian Lime	4422	(-2892)
Chattanooga Shale	4635	(-3105)
Viola	4676	(-3146)
Simpson Shale	4773	(-3243)
Arbuckle	4897	(-3367)

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#	210'	60/40 Poz	150	3%cc 2% gel
Production	7-7/8"	5-1/2"	15.5#	4924'	ASC	175	5#/sk Kolseal

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top	Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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	4786-4788	Acidize w/ 1000 gal 15% FE acid & 64
2	4795-4798'	ball sealers. Disp acid w/ 112 bbls SW.
2	4704-4684', case iron BP @ 4770'	Acidize w/ 6000 gal 20% SGA acid,8000 gal
2	4684-4676'	Waterfrac G (gelled water), 4500 gal treated water for displacement, & 56 ball sealers.

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	4767'	N/A	☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. 1-22-98 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		5	-		-			

Disposition of Gas: METHOD OF COMPLETION Production Interval

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

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled 4676-4704'

☐ Other (Specify)

ORIGINAL

BOGGS 4-9
SECTION 9, T33S-R12W
BARBER COUNTY, KS

DST #1

15.007-22544

Viola 4677-4691', 30-45-60-90
IF: Fair to strong blow, bottom of bucket in 28 minutes
FF: Strong blow, bottom of bucket in 20 seconds.
Recovered 780' of gas in the pipe, 25' of oil cut mud (4% oil, 96% mud)

IHH: 2346#
IFP's: 13 to 16#
ISIP: 470#
FFP's: 15 to 17#
FSIP: 1217#
FHH: 2276#
BHT: 118°F

DST #2

Simpson Sand 4772-4809', 30-60-60-90
IF: Strong blow, bottom of bucket in 1 minute
FF: Strong blow, bottom of bucket in 3 minutes.
Weak blow after blow-down during Final Shut-in Period.
Recovered 360' of gas in the pipe,
85' of gas & oil cut mud
185' of gas & oil cut watery mud
185' of gas & oil cut muddy water
1805' of slightly oil & gas cut water

IHH: 2371#
IFP's 215 to 710#
ISIP: 1114#
FFPs: 732 to 1043#
FSIP: 1122#
FHH: 2305#
BHT: 133°F

ALLIED CEMENTING CO., INC.

ORIGINAL

CEMENTING LOG

STAGE NO.

Date 11-7-97 District MED LODGE Ticket No. 6520

Company CMT. RESOURCES CORP Rig LUKE #2

Lease TOGGS Well No.

County BARBER State KANSAS

Location 9-32S-12W Field

CASING DATA: PTA ☐ Squeeze ☐

Surface ☒ Intermediate ☐ Production ☐ Liner ☐

Size 8-5/8" Type Weight Collar 3RD

Casing Depths: Top KB Bottom 210'

Drill Pipe: Size 4½" Weight 16.6# Collars XH

Open Hole: Size 12¼" T.D. ft. P.B. to ft.

CAPACITY FACTORS:

Casing:	Bbls/Lin. ft. .0637	Lin. ft./Bbl. 15.71
Open Holes:	Bbls/Lin. ft. .1458	Lin. ft./Bbl. 6.85
Drill Pipe:	Bbls/Lin. ft.	Lin. ft./Bbl.
Annulus:	Bbls/Lin. ft. .0725	Lin. ft./Bbl. 13.61
	Bbls/Lin. ft.	Lin. ft./Bbl.

Perforations: From ft. to ft. Amt.

CEMENT DATA:

Spacer Type: FRESH H2O

Amt. Sks Yield ft³/sk Density 8.34 PPG

LEAD: Pump Time hrs. Type

Excess

Amt. Sks Yield ft³/sk Density PPG

TAIL: Pump Time hrs. Type 60:40:2

-2% GEL Excess

Amt. 150 Sks Yield 1.26 ft³/sk Density 14.8 PPG

WATER: Lead gals/sk Tail 5.6 gals/sk Total 20.0 Bbls.

Pump Trucks Used #966 JAMES & JOE T

Bulk Equip. #301 KANSAS (ANDREW)

Float Equip: Manufacturer

Shoe: Type Depth 210'

Float: Type Depth 195'

Centralizers: Quantity Plugs Top WOOD Btm.

Stage Collars

Special Equip.

Disp. Fluid Type FRESH H2O Amt. 12½ Bbls. Weight 8.34 PPG

Mud Type Weight PPG

COMPANY REPRESENTATIVE JOHN HENDRICKSON

CEMENTER KEVIN FUNGALDI

TIME AM/PM	PRESSURES PSI: DRILL PIPE CASING	PRESSURES PSI: ANNULUS	FLUID PUMPED DATA: TOTAL FLUID	FLUID PUMPED DATA: Pumped Per Time Period	FLUID PUMPED DATA: RATE Bbls Min.	REMARKS
6:00						ON LOCATION, RIG UP
						RUN 8-5/8" CASING & LEAK CIRCULATION
						RIG UP TO CEMENT PUMP
	100		3	3	5	TEST FRESH H2O
	50		26 3/4	22 3/4	5	FRESH H2O SPACER - TEST CEMENT
					5	CEMENT 150 SX - TOP PLUG - DISPLACE W/
					5	FRESH H2O - TEST DISPLACEMENT
	100		41 3/4	5	5	CEMENT CIRCULATED
9:00	150		49 1/4	7 1/2	3	PLUG DOWN - TOP PLUG - CUT IN
						Wichita, Kansas

FINAL DISP. PRESS: PSI BUMP PLUG TO PSI BLEEDBACK BBLS. THANK YOU

Taylor Printing, Inc., Pratt, KS

ALLIED CEMENTING CO., INC. 6520

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

SERVICE POINT: Medicine Lodge

DATE 11-7-97	SEC. 9	TWP. 32S	RANGE 12W	CALLED OUT 6:00 PM	ON LOCATION 6:45 PM	JOB START 8:40 PM	JOB FINISH 9:00 PM
LEASE Boggs	WELL # 4-9		LOCATION Harotner 281-4 Shortlt, 3e,			COUNTY Barber	STATE Kansas

OLD OR NEW (Circle one)

CONTRACTOR Duke Drlg. #2
TYPE OF JOB Surface
HOLE SIZE 12 ¼" T.D.
CASING SIZE 8 5/8" DEPTH 210'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.

OWNER Colt Resources Corp

CEMENT

AMOUNT ORDERED 150sx 60:40:2 + 2% gel

COMMON H	90	@ 6.25	571.50
POZMIX	60	@ 3.25	195.00
GEL	3	@ 9.50	28.50
CHLORIDE	2	@ 28.00	140.00
		@	
		@	
		@	
		@	
		@	
HANDLING	150	@ 1.05	157.50
MILEAGE	150 x	.04	

TOTAL $

EQUIPMENT

PUMP TRUCK # 266 CEMENTER Kevin Reinhardt
HELPER James Hat
BULK TRUCK # 301 DRIVER Randie Carmichael
BULK TRUCK # DRIVER

REMARKS:

Run 8 5/8" Casing & Break Circ
Mix 150sx 60:40:2 + 2% Gel
Displace Plug to 195' with
12½ Bbl H2O
Cement Did Circulate

SERVICE

DEPTH OF JOB	210'		
PUMP TRUCK CHARGE	0-300'		470.00
EXTRA FOOTAGE		@	
MILEAGE		@ 2.95	
PLUG	8 5/8" TOP	@ 45.00	45.00
		@	
		@	

TOTAL $

CHARGE TO: Colt Resources Corp
STREET 16701 Greenspoint Park Dr. #225
CITY Houston STATE Texas ZIP 77060

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

TAX

TOTAL CHARGE $

DISCOUNT $ IF PAID IN 30 DAYS

Net $

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 X John J. Armbruster JOHN J. ARMBRUSTER

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.

CEMENTING LOG

STAGE NO.

Date 11-17-97 District Med Lodge Ticket No. 6521
Company Colt Resources Corp. Rig Duke #2
Lease Boggs Well No. 4-9
County Barber State Kansas
Location 9-33s-12w Field

CASING DATA: PTA ☐ Squeeze ☐
Surface ☐ Intermediate ☐ Production ☒ Liner ☐
Size 5½" Type J-55 Weight 15.5# Collar BRD
First - 4810#
Collapse - 4040#
Casing Depths: Top [redacted] Bottom [redacted] 4923'

ORIGINAL

Drill Pipe: Size Weight Collars
Open Hole: Size 7⅞" T.D. 4943' ft. P.B. to ft.

CAPACITY FACTORS:

Casing:	Bbls/Lin. ft. .0238	Lin. ft./Bbl. 42.01'	
Open Hole:	Bbls/Lin. ft. .0602	Lin. ft./Bbl. 16.5'	
Drill Pipe:	Bbls/Lin. ft.	Lin. ft./Bbl.	
Annulus:	Bbls/Lin. ft. .0309	Lin. ft./Bbl. 32.4'	
	Bbls/Lin. ft.	Lin. ft./Bbl.	

Perforations: From ft. to ft. Amt.

CEMENT DATA:
Spacer Type: 500 Gals Mud Clean
Amt. Sks Yield ft³/sk Density 8.4 PPG

LEAD: Pump Time hrs. Type 60:40:6
Excess
Amt. 65 Sks Yield 1.58 ft³/sk Density 13.8 PPG
TAIL: Pump Time hrs. Type ASC
+5# Kol-Seal Excess
Amt. 175 Sks Yield 1.57 ft³/sk Density 14.5 PPG
WATER: Lead 7.8 gals/sk Tail 7.23 gals/sk Total 34.8 Bbls.

Pump Trucks Used 251-302 Justin Hart
Bulk Equip. 256-252 John Kelley

Float Equip: Manufacturer Gemco
Shoe: Type Cement Depth [redacted] 4923'
Float: Type AFU Baffle Depth [redacted] 4879'
Centralizers: Quantity 12 Plugs Top Rubber Btm.
Stage Collars
Special Equip.
Disp. Fluid Type 2% KCl Amt. 117½ Bbls. Weight 8.42 PPG
Mud Type Chemical Weight 9.3 PPG

COMPANY REPRESENTATIVE Jerald Rains CEMENTER Kevin Brungardt

TIME (AM) PM	PRESSURES PSI: DRILL PIPE CASING	PRESSURES PSI: ANNULUS	FLUID PUMPED DATA: TOTAL FLUID	FLUID PUMPED DATA: Pumped Per Time Period	FLUID PUMPED DATA: RATE Bbls Min.	REMARKS
9:00						ON LOCATION, RIG UP
						RUN CASING TO BOTTOM + BREAK CIRCULATION
						RIG UP TO CEMENT PUMP
					6	START MUD CLEAN
	350					
	400		12	12	6	MUD CLEAN IN - STOP PUMPS - CHANGE VALVES
	100		13½	1½	4	PLUG MOUSE HOLE - 5sx 60:40:6
	100		19	5½	4	PLUG RAT HOLE - 20 sx 60:40:6
	250				6	CHANGE VALVES - START ASC
	300		68	49	6	ASC IN - STOP PUMPS - CHANGE VALVES
						FLUSH PUMPS & LINES - CHANGE VALVES
					2	RELEASE PLUG - START DISP.
	100		70	2	6	INCREASE RATE - RECIPROCATE CSG
	100		125	55	6	MUD CLEAN @ SHOE
	—		135	10	4	ASC @ SHOE - SLOW RATE
	400		165	30	4	GRADUAL PSI INC.
	700		172	7	3	SLOW CASING - SLOW RATE
	800		174	2	3	PSI INC.
830	1400		175½	1½	3	BUMP PLUG & HOLD PSI
						RELEASE PSI & FLOAT HOLDS!

FINAL DISP. PRESS: 800 PSI BUMP PLUG TO 1400# PSI BLEEDBACK 3/4 BBLS.

THANK YOU

Taylor Printing, Inc., Pratt, KS

ALLIED CEMENTING CO., INC. 6521

ORIGINAL

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

SERVICE POINT: Medicine Lodge

11-16-97

DATE 11-17-97	SEC. 9	TWP. 33S	RANGE 12W	CALLED OUT 10:30 PM	ON LOCATION 9:00 AM	JOB START 12:45 AM	JOB FINISH 1:30 PM
LEASE Boggs	WELL # A-9		LOCATION McCullough's House			COUNTY Barber	STATE Kansas

OLD OR (NEW) (Circle one)

CONTRACTOR Duke Drlg. #2
TYPE OF JOB Prod. Csg.
HOLE SIZE 7 7/8" T.D. [redacted] 4943'
CASING SIZE 5½" 15.5# DEPTH [redacted] 4923'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX 1400# MINIMUM
MEAS. LINE SHOE JOINT 44.22'
CEMENT LEFT IN CSG.
PERFS.

OWNER Colt Resources Corp.

CEMENT

AMOUNT ORDERED 500 Gals Mud Clean
250 sx 60:40:6
175 sx ASC + 5# Kol-Seal

EQUIPMENT

PUMP TRUCK CEMENTER Kelvin Baumgardt
#287-302 HELPER Justin Hart
BULK TRUCK
#256-252 DRIVER John Kelley
BULK TRUCK
DRIVER

COMMON A	15	@ 6.35	95.25
POZMIX	10	@ 3.25	32.50
GEL	1	@ 9.50	9.50
CHLORIDE		@	
ASC	175	@ 8.20	1435.00
Kol-Seal	875#	@ .38	332.50
Mud Clean	500 Gals	@ .75	375.00
CLAPRO	12 Gals.	@ 22.90	274.80
		@	
HANDLING	200	@ 1.05	210.00
MILEAGE	200		189.00
		TOTAL	$2892.55

REMARKS:

Ran 5½" Csg. - Rig Rat + Mouse Holes with 25sx 60:40:6, Ran 500 Gals Mud Clean - Mix 175sx ASC + 5# Kol-Seal - Displace with 117½ BBls 2% KCL Water Float Did Not Hold

SERVICE

DEPTH OF JOB	[redacted] 4923'		
PUMP TRUCK CHARGE			1214.00
EXTRA FOOTAGE		@	
MILEAGE	16	@ 2.85	45.60
PLUG	5½" TRP	@ 50.00	50.00
		@	
		@	
		TOTAL	$1309.60

CHARGE TO: Colt Resources Corp.
STREET 16701 Greenspoint Park Dr. #225
CITY Houston STATE Texas ZIP 77060

FLOAT EQUIPMENT

5½"

1 - Guide Shoe	@	168.00	168.00
1 - AFU Insert	@	263.00	263.00
12 - Centralizers	@	56.00	672.00
2 - Baskets	@	142.00	284.00
	@		
	TOTAL		$1387.00

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.

SIGNATURE X Gerald W. Rains
Gerald W. Rains

TAX
TOTAL CHARGE $ 5588.55
DISCOUNT $ 838.28 IF PAID IN 30 DAYS
NET $ 4750.27

JERRY A. SMITH

PETROLEUM GEOLOGIST

15-007-22544

ORIGINAL

GEOLOGICAL WELL REPORT

COLT RESOURCES CORP.
BOGGS ESTATE #4-9
2050' FSL & 820' FWL
Sec. 9-33-12W
BARBER COUNTY, KANSAS

550 West Central, #1006 • Wichita, KS 67203-4215 • (316) 265-7398

November 18, 1997

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

RE: Colt Resources Corporation
Boggs Estate #4-9
2050' FSL & 820' FWL
Sec. 9-33-12W
Barber County, Kansas
Medicine Lodge-Boggs Field
API No. 15-007-22,544

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

Spud:	11/07/97	Complete:	11/16/97
Contractor:	Duke Drlg., Rig 2	Toolpusher:	John Armbruster
Surf. Csg.:	8 5/8" @ 210'	Prod'n. Csg.:	5½" @ 4924'
Drill Time:	1800' to RTD	Samples:	1800' to RTD
DST's:	(2) Trilobite	Cores:	None
Mud:	Baroid	Open-hole Log:	Schlumberger -- DIL, FDC/CNL, Sonic
Gas Detector:	MBC Well Logging		
Bit Record:	#1 Walker-McDonald 7 7/8" 42CF In: 211' Out: 4165' Hrs: 87½	#2 Walker-McDonald 7 7/8" 51F In: 4165' Out: 4943' Hrs: 46 3/4	
Dev. Surveys:	1/4° @ 211' 1 3/4° @ 4165'	1° @ 4697' ½° @ 4943'	

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: 1522 GL 1530 KB

Heebner Shale	3647 (-2117)	Chattanooga Shale	4635 (-3105)
Lansing	3842 (-2312)	Viola	4676 (-3146)
Dennis Poro.	4221 (-2691)	Simpson Shale	4773 (-3243)
Swope Poro.	4244 (-2714)	Simpson Sandstone	4785 (-3255)
Base Kansas City	4289 (-2759)	Arbuckle	4897 (-3367)
Penn.-Miss. Unconf.	4404 (-2874)	RTD	4943 (-3413)
Mississippian Lime	4422 (-2892)	LTD	4936 (-3406)
Kinderhook Shale	4569 (-3039)		

Geological wellsite supervision commenced at 3300' 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.

Zones of interest encountered in the Boggs Estate #4-9 were evaluated as follows. All depth intervals are from the open-hole log.

3848-3852 Lansing-Kansas City: Limestone. Cream. Fine to medium crystalline. Fossiliferous in part with poor, scattered vuggy porosity. No visual hydrocarbons noted.

Cross-plot Porosity	10 to 15%
Resistivity	15 to 40 ohms
Water Saturation	±30%

This zone tested 1100' of gas in the pipe and 30' of gassy mud with a show of free oil in the anchor in the Boggs #3-9 where it was described as exhibiting poor to fair oomoldic and "fossil cast" porosity, a show of free oil and gas bubbles, a fair odor and a 45-unit gas kick. Bottom-hole pressure was 1163 psi.

Porosity type has obviously changed in the Boggs #4-9. The lack of hydrocarbon shows may be indicating a permeability barrier due to such porosity change between the #3-9 and #4-9 wells.

This zone might be considered for testing prior to abandonment. However, the lack of oil or gas shows is not encouraging.

4124-4146 Lansing-Kansas City: Limestone. White, cream and light gray. Fine crystalline. Fossiliferous with fair to good fossil mold and vuggy porosity development. Gas kicks of 22 units chromatograph and 10 units hot wire were noted from this zone, but the zone carried no visual hydrocarbon shows.

Cross-plot Porosity	11 to 16%
Resistivity	2.4 to 5 ohms
Water Saturation	60 to 100%

It is not felt that this zone warrants further testing.

4221-4224 Dennis: Limestone. Gray and tan. Fine to medium crystalline. Sparsely fossiliferous with no visual porosity development. The zone carried abundant white, soft chalk. No hydrocarbon shows were noted.

Cross-plot Porosity	12.9 to 14.5%
Resistivity	12 to 14 ohms
Water Saturation	Avg. 44%

Due to the lack of any visual porosity or hydrocarbon shows and the abundance of chalk, this zone does not appear to warrant any further testing.

4242-4256 Swope: Limestone. Cream and light gray. Fine crystalline. Very sparsely oolitic with no visual porosity development. The zone contained abundant white, soft chalk. No hydrocarbon shows were noted.

Cross-plot Porosity	7 to 12.2%
Resistivity	4 to 12 ohms
Water Saturation	66 to 100%

It is not felt that this zone warrants further testing.

Due to higher than expected structural position, the Mississippian did not exhibit a weathered "chat" section, having been removed by erosion.

4680-4690 Viola: Limestone, slightly dolomitic. White and light gray. Medium to coarse crystalline. Fair intercrystalline porosity development. The zone carried a fair odor, 75% tray fluorescence, a fair to good show of brown live gassy oil and gas bubbles. Gas kicks of 25 units chromatograph and 37 units hot wire were also noted.

Cross-plot Porosity	2.25 to 6%	Sonic Porosity	3.9 to 6.8%
Resistivity	35 to 70 ohms		
Cross-plot Sw	47.5 to 73.5%	Sonic Sw	42 to 72%

This zone was evaluated by Drill Stem Test #1.

DST #1: 4677-4691 (Corr. to log)
30-45-60-90
IF: Fair to strong blow, bottom of bucket in 28 minutes.
FF: Strong blow, bottom of bucket in 20 seconds.

Recovery: 780' of gas in the pipe,
25' of oil cut mud (4% oil, 96% mud)

IHH: 2346#
IFP's: 13 to 16#
ISIP: 470#
FFP's: 15 to 17#
FSIP: 1217#
FHH: 2276#

BHT: 118°F

4786-4790 Simpson Sand: Sandstone. Clear quartz. Well rounded and well sorted. Friable with good intergranular porosity. The zone carried a weak to fair odor, scattered tray fluorescence, a fair show of free gassy oil and gas bubbles. Gas kicks of 30 units chromatograph and 34 units hot wire were noted.

Cross-plot Porosity	12.5 to 13.9%
Resistivity	2.6 to 3.2 ohms
Water Saturation	74 to 86%
Bulk Volume Water	.1006 to .1118

This zone was included in Drill Stem Test #2.

4796-4807 Simpson Sand: Sandstone, as described above. Very few sand clusters were noted in the samples -- mostly loose sand grains

in the tray. Oil and gas shows and gas kicks as above.

Cross-plot Porosity	13.1 to 17%
Resistivity	1.3 to 2.8 ohms
Water Saturation	63 to 100%
Bulk Volume Water	.0983 to .1579

This zone was included in Drill Stem Test #2.

DST #2: 4772-4809 (Corr. to log)
30-60-60-90
IF: Strong blow, bottom of bucket in 1 minute.
FF: Strong blow, bottom of bucket in 3 minutes.
Weak blow after blow-down during Final Shut-in Period.

Recovery: 360' of gas in the pipe,
85' of gas & oil cut mud (15% G, 15% O, 70% M)
185' of gas & oil cut watery mud (20% G, 15% O, 30% W,35% M)
185' of gas & oil cut muddy water (5% G, 5% O, 70% W, 20% M)
1805' of slightly oil & gas cut water (2% G, 2% O, 96% W)

Some clean oil was noted in the top of the test tool.

IHH: 2371#
IFP's: 215 to 710#
ISIP: 1114#
FFP's: 732 to 1043#
FSIP: 1122#
FHH: 2305#

BHT: 133°F

Chlorides on recovered water = 139,000 ppm

4810-4820 Simpson Sand: Sandstone. White to clear quartz. Fine to medium grained. Well rounded, medium to well sorted. Trace of glauconite. Fair intergranular porosity. Weak odor, 30% tray fluorescence, fair show of free gassy oil and gas bubbles. The gas detector was carrying very high background gas when this zone was drilled.

Cross-plot Porosity	12.5 to 18%
Resistivity	2.8 to 4.6 ohms
Water Saturation	47 to 85%
Bulk Volume Water	.o846 to .1078

This zone should be evaluated through perforations from 4810 to 4812 (KB log).

4897-4913 Arbuckle: Dolomite. Tan to gray-tan. Fine crystalline. Sucrosic texture. Slightly sandy in part. Fair to good vuggy porosity development. No hydrocarbon shows were noted.

Cross-plot Porosity	11 to 13%
Resistivity	2.9 to 3.5 ohms

Sw (Rw = .03)	77 to 92%
Sw (Rw = .06)	100%
BVW (Rw = .03)	.0924 to .1012
BVW (Rw = .06)	.1100 to .1300

Generally, a BVW value of .055 or higher equates to 100% water production from the Arbuckle in the Sedgwick Basin area.

This zone does not appear to warrant further testing.

Commentary

The Boggs Estate #4-9 ran structurally higher than expected. The Mississippian weathered "chat" section was absent having been removed by erosion and truncated by Pennsylvanian beds due to post-Mississippian up-lift. The Boggs Estate #4-9 appears to exist up-dip, regionally, to the old Boggs Field and on the same prominent structural nose with which the Boggs Field is associated.

Generally speaking, Simpson 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. Of course, there may always be individual zones that do not fit this "picture".

The Simpson in the Boggs Estate #4-9 appears to be exhibiting three distinct porous sand zones: 4786-4791, 4795-4802 and 4811-4820. The first two of these were included in DST #2. Log analysis indicates that possibly the top 1 to 2 feet of each of these zones are hydrocarbon-bearing, overlying strong water.

The third sand zone, which was not tested, appears to hold the greatest potential for production. The top four feet of this zone, 4810-4814, calculates the "best" of the entire Simpson section. Again, a strong water drive should be expected.

No Viola production is known of in the immediate area of the Boggs Estate #4-9. Because of the results of DST #1, it is recommended that the Viola from 4680 to 4690 (KB log) be evaluated through perforations. A "sizeable" acid job should be anticipated as the zone obviously lacks permeability.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS
CERTIFIED PETROLEUM GEOLOGIST
JERRY ALAN SMITH 3668
1917

Respectfully,

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

STRUCTURAL COMPARISON

KEY HORIZONS/KEY CONTROL WELLS

	"A"	"B"	"C"
	COLT RESOURCES	EMI/COLT RESOURCES	BOWERS DRLG. CO.
	BOGGS ESTATE #4-9 2050' FSL & 820' FWL Sec. 9-33-12W	BOGGS 3-9 1300' FSL & 2480' FWL Sec. 9-33-12W	#1 BOGGS EST."C" NE-SW-NW Sec. 9-33-12W
Heebner Sh.	-2117	-2128	-2122
Lansing	-2312	-2320	-2297
Mississippian	-2874	-2896	-2888
Kinderhook Sh.	-3039	-3122	-3046
Viola	-3146	-3230	-3154
Simpson Ss.	-3255	-3358	-3265
		(Miss. Prod'n.)	(D&A)

All subsea data were calculated from open-hole logs.

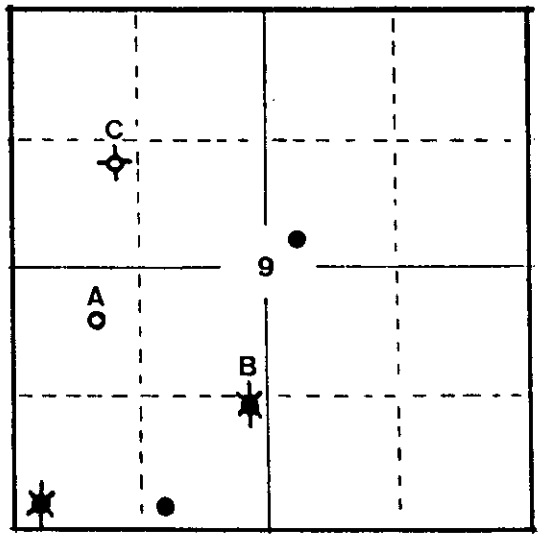


EXHIBIT 1

HORIZONTAL DISPLACEMENT

DUE TO

BOREHOLE DEVIATION

Operator	Colt Resources Corp.	**Contractor**	Duke Drilling Co.
Well Name	Boggs Estate #4-9	**Rig No.**	2
Location	Sec. 9-33-12W	**Spud Date**	11/07/97
County	Barber	**Comp. Date**	11/16/97
State	Kansas	**Toolpusher**	John Armbruster
Field	Medicine Lodge-Boggs	**Geologist**	Jerry A. Smith

Survey #	Depth	Course Length	Dev.(°)	Displacement Per 100'[a]	Course Displacement[b]	Cumulative Displacement
1	211'	211'	1/4°	0.436	0.92'	0.92'
2	4165'	3954'	1 3/4°	3.050	120.60'	121.52'
3	4697'	532'	1°	1.750	9.31'	130.83'
4	4943'	246'	1/2°	0.873	2.15'	132.98'
5						
6						
7						
8						
9						
10						

[a] Sine of Angle of Dev. X 100

[b] (Course Length/100) X (Displacement Per 100')

EXHIBIT 2

DAILY DRILLING PROGRESS

11/07/97 MIRT. RUR. Spud at 5:15PM. Set 8 5/8", 24# Surface Casing at 210' (KB). PD at 9:00PM. ¼° Dev. at 211'. WOC 8 hrs. Drill plug at 5:00AM (11/08).

11/08/97 Drlg. at 410' at 7:00AM. Drilled 200' in last 2 hrs.

11/09/97 Drlg. at 2100' at 7:00AM. Drilled 1690' in last 24 hrs.

11/10/97 Drlg. at 2938' at 7:00AM. Drilled 838' in last 24 hrs. GOL at 3300'. Mud-up at 3320'.

11/11/97 Drlg. at 3668' at 7:00AM. Drilled 730' in last 24 hrs.

11/12/97 Drlg. at 4157' at 7:00AM. Drilled 489' in last 24 hrs. Bit Trip at 4165'. 1 3/4° Dev. at 4165'. Strapped drill pipe.

Board 4171.14'
Strap 4169.90'
1.24' Short

No correction made.

11/13/97 Drlg. at 4427' at 7:00AM. Drilled 270' in last 24 hrs.

11/14/97 Depth 4697' at 7:00AM. Drilled 270' in last 24 hrs. Running DST #1 4683-4697 (Viola). 1° Dev. at 4697'.

11/15/97 Depth 4817' at 7:00AM. Drilled 120' in last 24 hrs. Running DST #2 4780-4817 (Simpson Ss.).

11/16/97 Depth 4943' (RTD) at 7:00AM. Drilled 126' in last 24 hrs. RTD reached at 3:54AM. Rigging up Schlumberger at 7:00AM. Commence logging at 9:30AM. Logging complete at 2:30PM. ½° Dev. at RTD. Prep. to LDDP and run 5½" Prod'n. Casing.

WELL NAME:	Boggs Estate #4-9
COMPANY:	Colt Resources Corp.
LOCATION:	09-33S-12W Barber County, Kansas
DATE:	11/19/97

ORIGINAL

15-007-22544

TRILOBITE TESTING L.L.C.

ERATOR : Colt Resources Corp. DATE 11-14-97
LL NAME: Boggs Estate #4-9 KB 1530.00 ft TICKET NO: 10075 DST #1
CATION : 09-33S-12W Barber Co KS GR 1522.00 ft FORMATION: Viola
TERVAL : 4683.00 To 4697.00 ft TD 4697.00 ft TEST TYPE: CONVENTIONAL

CORDER DATA

ins		Field	1	2	3	4
30	Rec.	10248	10248	3030		
45	Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0
60	Clock(hrs)	12hr.	12hr.	Batt.		
90	Depth(ft)	4694.0	4694.0	4688.0	0.0	0.0

TIME DATA----------
PF Fr. 0630 to 0700 hr
IS Fr. 0700 to 0745 hr
SF Fr. 0745 to 0845 hr
FS Fr. 0845 to 0915 hr

	Field	1	2	3	4
Init Hydro	2311.0	2338.0	2346.0	0.0	0.0
First Flow	16.0	37.0	13.0	0.0	0.0
Final Flow	16.0	25.0	16.0	0.0	0.0
In Shut-in	471.0	456.0	470.0	0.0	0.0
Init Flow	18.0	35.0	15.0	0.0	0.0
Final Flow	21.0	35.0	17.0	0.0	0.0
Fl Shut-in	1194.0	1184.0	1217.0	0.0	0.0
Final Hydro	2261.0	2242.0	2276.0	0.0	0.0
nside/Outside	O	O	I	T	

T STARTED 0449 hr
T ON BOTM 0627 hr
T OPEN 0630 hr
T PULLED 1016 hr
T OUT 1200 hr

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	67000.00 lbs
Initial Str Wt	62000.00 lbs
Unseated Str Wt	62000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4670.00 ft

ECOVERY
ot Fluid 25.00 ft of 0.00 ft in DC and 25.00 ft in DP
80.00 ft of Gas in pipe.
5.00 ft of Oil Stained Mud: 4% Oil and 96% Mud
.00 ft of
.00 ft of
.00 ft of
.00 ft of
.00 ft of Rw n/c
.00 ft of EST. FT. OF PAY----------6
SALINITY 7000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA----------

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	43.00 S/L
W.L.	12.00 in3
F.C.	0.20 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 F
Hole Condition	good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out	N
Tool Chased	N
Tester	Gary Pevoteaux
Co. Rep.	Jerry Smith
Contr.	Duke Drilling
Rig #	2
Unit #	
Pump T.	LCM 2#/bl

BLOW DESCRIPTION
Initial Flow: Fairly Strong Blow
Bottom of Bucket in 28 minutes.

Initial Shut-in: No Blow.

Final Flow: Strong Blow
Bottom of Bucket in 20 seconds.

Final Shut-in: No Blow.

SAMPLES: none
SENT TO:Caraway / Liberal Ks

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

ELL NAME: Boggs Estate #4-9

OCATION : 09-33S-12W Barber Co KS

ICKET No. 10075 D.S.T. No. 1 DATE 11-14-97

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 14

OTAL TOOL 36

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 36

.C. ABOVE TOOLS.Stands Single Total

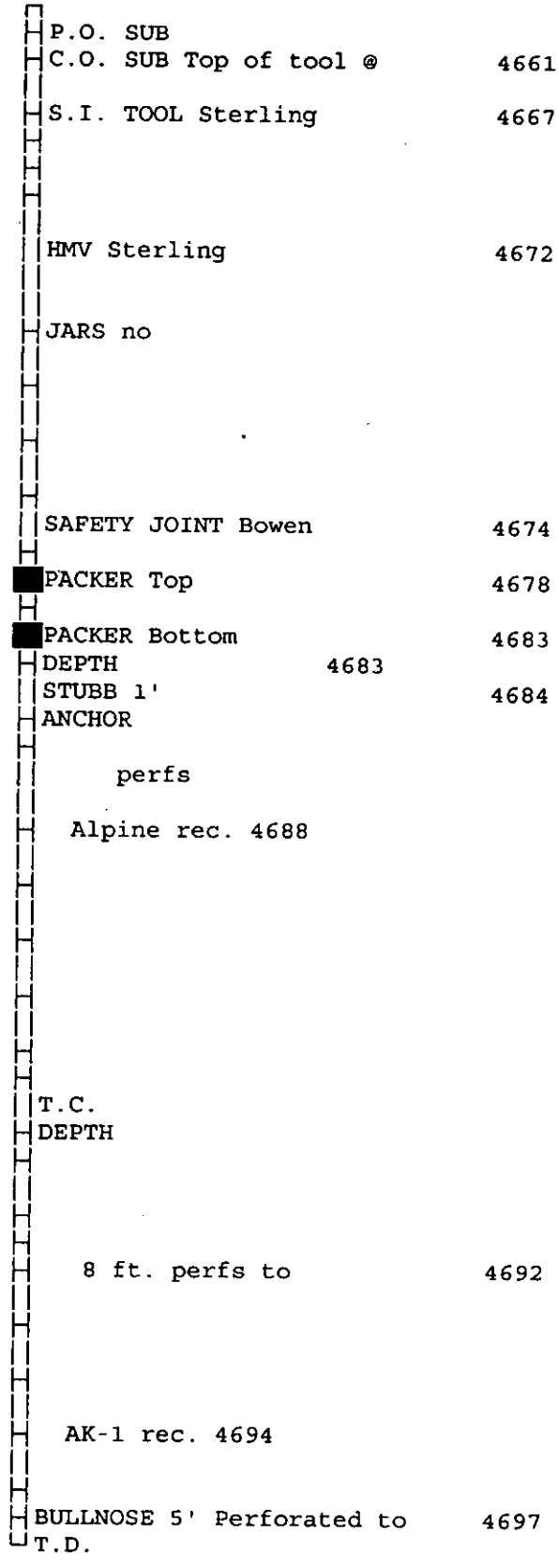
.P. ABOVE TOOLS.Stands75 Single 1 Total 4670

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4706

OTAL DEPTH 4697

OTAL DRILL PIPE ABOVE K.B. 9

EMARKS:



ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.
DATE: 11/14/97 TIME: 04:49:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	96.00	2345.6	0.0	105.91		
****** Initial Hydro.						
****** Start Flow 1	0.00	12.5	0.0	106.45		
	0.50	13.1	0.6	106.49		
	1.00	13.5	0.9	106.54		
	1.50	13.7	1.1	106.60		
	2.00	13.9	1.3	106.71		
	2.50	14.0	1.5	106.84		
	3.00	14.2	1.7	106.99		
	3.50	14.2	1.6	107.13		
	4.00	14.3	1.8	107.28		
	4.50	14.4	1.8	107.41		
	5.00	14.5	1.9	107.53		
	5.50	14.5	2.0	107.66		
	6.00	14.5	2.0	107.77		
	6.50	14.6	2.1	107.87		
	7.00	14.7	2.1	107.96		
	7.50	14.8	2.2	108.05		
	8.00	14.8	2.2	108.13		
	8.50	14.8	2.3	108.20		
	9.00	14.9	2.4	108.27		
	9.50	14.9	2.3	108.35		
	10.00	14.9	2.4	108.42		
	10.50	15.0	2.5	108.50		
	11.00	15.0	2.5	108.58		
	11.50	15.0	2.4	108.65		
	12.00	15.0	2.5	108.72		
	12.50	15.1	2.5	108.79		
	13.00	15.1	2.5	108.86		
	13.50	15.1	2.6	108.92		
	14.00	15.1	2.6	108.99		
	14.50	15.2	2.6	109.03		
	15.00	15.2	2.6	109.09		
	15.50	15.9	3.3	109.14		
	16.00	15.3	2.8	109.19		
	16.50	15.3	2.8	109.23		
	17.00	15.4	2.9	109.27		
	17.50	15.4	2.9	109.32		
	18.00	15.2	2.7	109.36		
	18.50	15.5	2.9	109.41		
	19.00	15.3	2.8	109.45		
	19.50	15.3	2.8	109.49		
	20.00	15.2	2.6	109.53		
	20.50	15.6	3.0	109.58		
	21.00	15.5	3.0	109.62		
	21.50	15.9	3.4	109.67		
	22.00	16.6	4.1	109.71		
	22.50	15.2	2.6	109.77		
	23.00	15.2	2.6	109.82		
	23.50	16.0	3.5	109.87		
	24.00	15.5	3.0	109.93		
	24.50	15.5	2.9	109.99		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/14/97 TIME: 04:49:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	15.2	2.7	110.04		
	25.50	15.4	2.9	110.10		
	26.00	15.4	2.8	110.15		
	26.50	15.7	3.2	110.20		
	27.00	15.6	3.1	110.25		
	27.50	15.7	3.1	110.30		
	28.00	15.8	3.2	110.34		
	28.50	15.5	2.9	110.39		
	29.00	15.5	3.0	110.44		
	29.50	15.5	3.0	110.49		
	30.00	15.8	3.2	110.53		
***** End Flow 1	30.50	15.5	3.0	110.58		
***** Start Shutin 1	0.00	15.5	0.0	110.58	0.0000	0.000
	0.50	19.3	3.8	110.62	62.0000	0.000
	1.00	23.6	8.1	110.66	31.5000	0.001
	1.50	27.6	12.1	110.70	21.3333	0.001
	2.00	32.2	16.7	110.74	16.2500	0.001
	2.50	36.6	21.0	110.79	13.2000	0.001
	3.00	40.7	25.2	110.83	11.1667	0.002
	3.50	44.8	29.3	110.87	9.7143	0.002
	4.00	49.1	33.6	110.91	8.6250	0.002
	4.50	53.2	37.7	110.95	7.7778	0.003
	5.00	57.5	42.0	110.99	7.1000	0.003
	5.50	61.8	46.3	111.03	6.5455	0.004
	6.00	66.1	50.6	111.07	6.0833	0.004
	6.50	70.4	54.9	111.11	5.6923	0.005
	7.00	74.7	59.2	111.15	5.3571	0.006
	7.50	79.1	63.6	111.19	5.0667	0.006
	8.00	83.5	68.0	111.23	4.8125	0.007
	8.50	87.9	72.4	111.27	4.5882	0.008
	9.00	92.3	76.8	111.30	4.3889	0.009
	9.50	96.7	81.2	111.34	4.2105	0.009
	10.00	101.1	85.6	111.38	4.0500	0.010
	10.50	105.6	90.1	111.41	3.9048	0.011
	11.00	110.2	94.7	111.45	3.7727	0.012
	11.50	114.7	99.2	111.48	3.6522	0.013
	12.00	119.3	103.8	111.52	3.5417	0.014
	12.50	124.0	108.4	111.55	3.4400	0.015
	13.00	128.6	113.1	111.58	3.3462	0.017
	13.50	133.3	117.8	111.61	3.2593	0.018
	14.00	138.0	122.5	111.64	3.1786	0.019
	14.50	142.8	127.3	111.68	3.1034	0.020
	15.00	147.5	132.0	111.71	3.0333	0.022
	15.50	152.2	136.7	111.74	2.9677	0.023
	16.00	157.0	141.5	111.76	2.9062	0.025
	16.50	161.8	146.3	111.80	2.8485	0.026
	17.00	166.7	151.2	111.82	2.7941	0.028
	17.50	171.6	156.1	111.85	2.7429	0.029
	18.00	176.5	161.0	111.88	2.6944	0.031
	18.50	181.4	165.9	111.91	2.6486	0.033
	19.00	186.3	170.8	111.93	2.6053	0.035

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/14/97 TIME: 04:49:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	19.50	191.2	175.7	111.95	2.5641	0.037
	20.00	196.2	180.7	111.98	2.5250	0.038
	20.50	201.3	185.8	112.01	2.4878	0.041
	21.00	206.3	190.8	112.03	2.4524	0.043
	21.50	211.5	195.9	112.05	2.4186	0.045
	22.00	216.6	201.1	112.08	2.3864	0.047
	22.50	221.7	206.2	112.10	2.3556	0.049
	23.00	226.9	211.4	112.13	2.3261	0.051
	23.50	232.1	216.6	112.15	2.2979	0.054
	24.00	237.3	221.8	112.17	2.2708	0.056
	24.50	242.6	227.1	112.20	2.2449	0.059
	25.00	247.9	232.4	112.22	2.2200	0.061
	25.50	253.1	237.6	112.24	2.1961	0.064
	26.00	258.4	242.9	112.26	2.1731	0.067
	26.50	263.7	248.2	112.28	2.1509	0.070
	27.00	269.1	253.6	112.31	2.1296	0.072
	27.50	274.5	259.0	112.33	2.1091	0.075
	28.00	279.9	264.4	112.35	2.0893	0.078
	28.50	285.4	269.9	112.37	2.0702	0.081
	29.00	290.8	275.3	112.40	2.0517	0.085
	29.50	296.2	280.7	112.41	2.0339	0.088
	30.00	301.7	286.2	112.44	2.0167	0.091
	30.50	307.3	291.8	112.46	2.0000	0.094
	31.00	312.8	297.3	112.48	1.9839	0.098
	31.50	318.3	302.8	112.50	1.9683	0.101
	32.00	324.0	308.5	112.52	1.9531	0.105
	32.50	329.6	314.0	112.53	1.9385	0.109
	33.00	335.2	319.7	112.56	1.9242	0.112
	33.50	340.9	325.4	112.58	1.9104	0.116
	34.00	346.5	331.0	112.60	1.8971	0.120
	34.50	352.2	336.7	112.62	1.8841	0.124
	35.00	357.9	342.4	112.64	1.8714	0.128
	35.50	363.7	348.2	112.66	1.8592	0.132
	36.00	369.4	353.9	112.68	1.8472	0.136
	36.50	375.2	359.7	112.69	1.8356	0.141
	37.00	381.0	365.5	112.72	1.8243	0.145
	37.50	386.9	371.3	112.73	1.8133	0.150
	38.00	392.7	377.2	112.75	1.8026	0.154
	38.50	398.6	383.1	112.77	1.7922	0.159
	39.00	404.4	388.9	112.79	1.7821	0.164
	39.50	410.4	394.9	112.81	1.7722	0.168
	40.00	416.3	400.8	112.83	1.7625	0.173
	40.50	422.3	406.8	112.85	1.7531	0.178
	41.00	428.2	412.7	112.87	1.7439	0.183
	41.50	434.2	418.7	112.88	1.7349	0.189
	42.00	440.2	424.7	112.91	1.7262	0.194
	42.50	446.2	430.7	112.92	1.7176	0.199
	43.00	452.2	436.7	112.95	1.7093	0.205
	43.50	458.2	442.7	112.97	1.7011	0.210
	44.00	464.3	448.8	112.98	1.6932	0.216
**** End Shut-in 1	44.50	470.4	454.9	113.00	1.6854	0.221

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/14/97 TIME: 04:49:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
***** Start Flow 2	0.00	15.1	0.0	113.04		
	0.50	15.4	0.3	113.04		
	1.00	15.6	0.5	113.05		
	1.50	15.8	0.7	113.07		
	2.00	15.9	0.8	113.10		
	2.50	16.0	0.9	113.13		
	3.00	16.0	0.9	113.17		
	3.50	16.1	1.0	113.21		
	4.00	16.2	1.1	113.25		
	4.50	16.2	1.1	113.29		
	5.00	16.3	1.2	113.33		
	5.50	16.4	1.3	113.36		
	6.00	16.5	1.4	113.39		
	6.50	16.5	1.4	113.42		
	7.00	16.5	1.4	113.45		
	7.50	16.5	1.4	113.48		
	8.00	16.5	1.4	113.51		
	8.50	16.6	1.5	113.54		
	9.00	16.6	1.5	113.56		
	9.50	16.6	1.5	113.58		
	10.00	16.6	1.5	113.60		
	10.50	16.6	1.5	113.63		
	11.00	16.6	1.5	113.66		
	11.50	16.6	1.5	113.68		
	12.00	16.7	1.6	113.71		
	12.50	16.7	1.6	113.73		
	13.00	16.6	1.5	113.75		
	13.50	16.7	1.6	113.78		
	14.00	16.7	1.6	113.81		
	14.50	16.7	1.6	113.83		
	15.00	16.7	1.6	113.86		
	15.50	16.8	1.7	113.89		
	16.00	16.8	1.7	113.91		
	16.50	16.9	1.8	113.94		
	17.00	17.0	1.9	113.97		
	17.50	17.1	2.0	113.99		
	18.00	17.1	2.0	114.01		
	18.50	17.2	2.1	114.04		
	19.00	17.2	2.1	114.06		
	19.50	17.2	2.1	114.09		
	20.00	17.3	2.2	114.11		
	20.50	17.4	2.3	114.13		
	21.00	17.5	2.4	114.15		
	21.50	17.5	2.4	114.17		
	22.00	17.6	2.5	114.20		
	22.50	17.7	2.6	114.22		
	23.00	17.8	2.7	114.24		
	23.50	17.9	2.8	114.26		
	24.00	18.0	2.9	114.29		
	24.50	18.1	3.0	114.30		
	25.00	18.2	3.1	114.33		
	25.50	18.6	3.5	114.35		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.
DATE: 11/14/97 TIME: 04:49:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
26.00	18.7	3.6	114.36		
26.50	18.7	3.6	114.38		
27.00	18.8	3.7	114.40		
27.50	19.3	4.2	114.42		
28.00	19.5	4.3	114.44		
28.50	19.5	4.3	114.46		
29.00	19.5	4.4	114.48		
29.50	19.6	4.5	114.50		
30.00	19.7	4.6	114.51		
30.50	20.4	5.3	114.54		
31.00	20.4	5.3	114.56		
31.50	20.4	5.3	114.58		
32.00	20.5	5.4	114.59		
32.50	21.0	5.9	114.61		
33.00	21.3	6.2	114.63		
33.50	21.2	6.1	114.65		
34.00	21.6	6.4	114.66		
34.50	21.9	6.8	114.69		
35.00	22.0	6.8	114.70		
35.50	22.1	7.0	114.72		
36.00	22.6	7.5	114.74		
36.50	22.5	7.4	114.76		
37.00	23.7	8.6	114.77		
37.50	23.6	8.5	114.79		
38.00	23.8	8.7	114.81		
38.50	24.6	9.5	114.82		
39.00	25.0	9.9	114.84		
39.50	24.9	9.8	114.86		
40.00	25.0	9.9	114.88		
40.50	25.1	10.0	114.90		
41.00	25.8	10.7	114.92		
41.50	26.1	11.0	114.92		
42.00	25.9	10.8	114.95		
42.50	26.2	11.1	114.96		
43.00	26.2	11.1	114.98		
43.50	26.3	11.2	114.99		
44.00	27.0	11.9	115.01		
44.50	27.3	12.2	115.03		
45.00	28.1	13.0	115.04		
45.50	28.4	13.3	115.06		
46.00	28.8	13.7	115.07		
46.50	29.5	14.4	115.09		
47.00	29.5	14.4	115.10		
47.50	29.3	14.2	115.12		
48.00	29.6	14.5	115.13		
48.50	29.7	14.6	115.15		
49.00	30.5	15.4	115.16		
49.50	31.3	16.2	115.18		
50.00	31.6	16.5	115.19		
50.50	31.9	16.8	115.20		
51.00	31.9	16.8	115.22		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/14/97 TIME: 04:49:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	51.50	33.0	17.9	115.23		
	52.00	33.5	18.4	115.24		
	52.50	34.2	19.0	115.26		
	53.00	35.3	20.2	115.27		
	53.50	35.2	20.1	115.29		
	54.00	34.9	19.7	115.30		
	54.50	17.0	1.9	115.32		
	55.00	17.2	2.1	115.33		
	55.50	17.1	2.0	115.35		
	56.00	17.3	2.2	115.36		
	56.50	17.2	2.1	115.37		
	57.00	17.3	2.2	115.38		
	57.50	17.3	2.2	115.40		
	58.00	17.3	2.2	115.41		
	58.50	17.3	2.2	115.42		
	59.00	17.3	2.2	115.43		
***** End Flow 2	59.50	17.3	2.2	115.45		
***** Start Shutin 2	0.00	17.3	0.0	115.45	0.0000	0.000
	0.50	19.0	1.7	115.46	181.0000	0.000
	1.00	26.5	9.2	115.48	91.0000	0.001
	1.50	33.7	16.4	115.49	61.0000	0.001
	2.00	41.0	23.7	115.51	46.0000	0.002
	2.50	48.3	31.0	115.52	37.0000	0.002
	3.00	55.7	38.4	115.54	31.0000	0.003
	3.50	63.1	45.8	115.56	26.7143	0.004
	4.00	70.5	53.2	115.58	23.5000	0.005
	4.50	78.0	60.7	115.59	21.0000	0.006
	5.00	85.5	68.2	115.61	19.0000	0.007
	5.50	92.9	75.6	115.63	17.3636	0.009
	6.00	100.4	83.1	115.64	16.0000	0.010
	6.50	107.9	90.6	115.66	14.8462	0.012
	7.00	115.4	98.1	115.68	13.8571	0.013
	7.50	122.9	105.6	115.69	13.0000	0.015
	8.00	130.5	113.2	115.70	12.2500	0.017
	8.50	138.0	120.7	115.72	11.5882	0.019
	9.00	145.5	128.2	115.73	11.0000	0.021
	9.50	153.1	135.8	115.75	10.4737	0.023
	10.00	160.6	143.3	115.76	10.0000	0.026
	10.50	168.1	150.8	115.77	9.5714	0.028
	11.00	175.7	158.4	115.78	9.1818	0.031
	11.50	183.2	165.9	115.80	8.8261	0.034
	12.00	190.7	173.4	115.81	8.5000	0.036
	12.50	198.3	181.0	115.82	8.2000	0.039
	13.00	205.9	188.6	115.84	7.9231	0.042
	13.50	213.4	196.1	115.85	7.6667	0.046
	14.00	220.9	203.6	115.86	7.4286	0.049
	14.50	228.5	211.2	115.87	7.2069	0.052
	15.00	236.1	218.8	115.88	7.0000	0.056
	15.50	243.6	226.3	115.90	6.8065	0.059
	16.00	251.1	233.8	115.91	6.6250	0.063
	16.50	258.6	241.3	115.92	6.4545	0.067

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/14/97 TIME: 04:49:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
17.00	266.2	248.9	115.94	6.2941	0.071
17.50	273.7	256.4	115.94	6.1429	0.075
18.00	281.3	264.0	115.96	6.0000	0.079
18.50	288.8	271.5	115.97	5.8649	0.083
19.00	296.3	279.0	115.98	5.7368	0.088
19.50	303.8	286.5	116.00	5.6154	0.092
20.00	311.3	294.0	116.00	5.5000	0.097
20.50	318.8	301.4	116.01	5.3902	0.102
21.00	326.2	308.9	116.03	5.2857	0.106
21.50	333.7	316.4	116.04	5.1860	0.111
22.00	341.2	323.9	116.05	5.0909	0:116
22.50	348.7	331.4	116.07	5.0000	0.122
23.00	356.2	338.9	116.07	4.9130	0.127
23.50	363.6	346.3	116.09	4.8298	0.132
24.00	371.1	353.8	116.10	4.7500	0.138
24.50	378.6	361.3	116.11	4.6735	0.143
25.00	386.0	368.7	116.12	4.6000	0.149
25.50	393.5	376.2	116.14	4.5294	0.155
26.00	400.9	383.6	116.14	4.4615	0.161
26.50	408.3	391.0	116.16	4.3962	0.167
27.00	415.7	398.4	116.17	4.3333	0.173
27.50	423.2	405.9	116.18	4.2727	0.179
28.00	430.6	413.3	116.20	4.2143	0.185
28.50	438.0	420.7	116.20	4.1579	0.192
29.00	445.4	428.1	116.22	4.1034	0.198
29.50	452.8	435.5	116.23	4.0508	0.205
30.00	460.1	442.8	116.25	4.0000	0.212
30.50	467.5	450.2	116.25	3.9508	0.219
31.00	474.9	457.6	116.27	3.9032	0.226
31.50	482.3	465.0	116.28	3.8571	0.233
32.00	489.6	472.3	116.29	3.8125	0.240
32.50	497.0	479.7	116.31	3.7692	0.247
33.00	504.3	487.0	116.31	3.7273	0.254
33.50	511.6	494.3	116.33	3.6866	0.262
34.00	518.9	501.6	116.34	3.6471	0.269
34.50	526.2	508.9	116.35	3.6087	0.277
35.00	533.5	516.2	116.36	3.5714	0.285
35.50	540.9	523.6	116.37	3.5352	0.293
36.00	548.2	530.9	116.39	3.5000	0.301
36.50	555.5	538.2	116.40	3.4658	0.309
37.00	562.7	545.4	116.41	3.4324	0.317
37.50	570.0	552.7	116.42	3.4000	0.325
38.00	577.2	559.9	116.43	3.3684	0.333
38.50	584.5	567.2	116.45	3.3377	0.342
39.00	591.7	574.4	116.46	3.3077	0.350
39.50	599.0	581.7	116.47	3.2785	0.359
40.00	606.2	588.9	116.48	3.2500	0.367
40.50	613.4	596.1	116.50	3.2222	0.376
41.00	620.5	603.2	116.51	3.1951	0.385
41.50	627.8	610.5	116.52	3.1687	0.394
42.00	634.9	617.6	116.53	3.1429	0.403

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/14/97 TIME: 04:49:25

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
42.50	642.1	624.8	116.55	3.1176	0.412
43.00	649.2	631.9	116.55	3.0930	0.421
43.50	656.3	639.0	116.57	3.0690	0.431
44.00	663.4	646.1	116.58	3.0455	0.440
44.50	670.6	653.3	116.60	3.0225	0.450
45.00	677.6	660.3	116.61	3.0000	0.459
45.50	684.6	667.3	116.62	2.9780	0.469
46.00	691.7	674.4	116.63	2.9565	0.478
46.50	698.7	681.4	116.64	2.9355	0.488
47.00	705.8	688.5	116.65	2.9149	0.498
47.50	712.8	695.4	116.66	2.8947	0.508
48.00	719.7	702.4	116.68	2.8750	0.518
48.50	726.7	709.3	116.69	2.8557	0.528
49.00	733.7	716.4	116.70	2.8367	0.538
49.50	740.6	723.3	116.71	2.8182	0.548
50.00	747.5	730.2	116.73	2.8000	0.559
50.50	754.4	737.1	116.74	2.7822	0.569
51.00	761.3	744.0	116.75	2.7647	0.580
51.50	768.1	750.8	116.77	2.7476	0.590
52.00	774.9	757.6	116.78	2.7308	0.601
52.50	781.8	764.5	116.79	2.7143	0.611
53.00	788.6	771.2	116.80	2.6981	0.622
53.50	795.4	778.1	116.81	2.6822	0.633
54.00	802.1	784.8	116.83	2.6667	0.643
54.50	808.8	791.5	116.84	2.6514	0.654
55.00	815.6	798.3	116.85	2.6364	0.665
55.50	822.2	804.9	116.87	2.6216	0.676
56.00	829.0	811.6	116.88	2.6071	0.687
56.50	835.6	818.3	116.89	2.5929	0.698
57.00	842.1	824.8	116.90	2.5789	0.709
57.50	848.8	831.5	116.92	2.5652	0.720
58.00	855.3	838.0	116.93	2.5517	0.732
58.50	861.9	844.6	116.94	2.5385	0.743
59.00	868.5	851.2	116.95	2.5254	0.754
59.50	875.0	857.7	116.97	2.5126	0.766
60.00	881.5	864.2	116.98	2.5000	0.777
60.50	887.9	870.6	116.99	2.4876	0.788
61.00	894.3	877.0	117.00	2.4754	0.800
61.50	900.7	883.4	117.01	2.4634	0.811
62.00	907.1	889.8	117.03	2.4516	0.823
62.50	913.5	896.2	117.04	2.4400	0.834
63.00	919.9	902.5	117.05	2.4286	0.846
63.50	926.1	908.8	117.07	2.4173	0.858
64.00	932.4	915.1	117.07	2.4062	0.869
64.50	938.7	921.4	117.09	2.3953	0.881
65.00	944.8	927.5	117.10	2.3846	0.893
65.50	951.0	933.7	117.11	2.3740	0.904
66.00	957.2	939.9	117.13	2.3636	0.916
66.50	963.3	946.0	117.14	2.3534	0.928
67.00	969.4	952.1	117.15	2.3433	0.940
67.50	975.5	958.2	117.16	2.3333	0.952

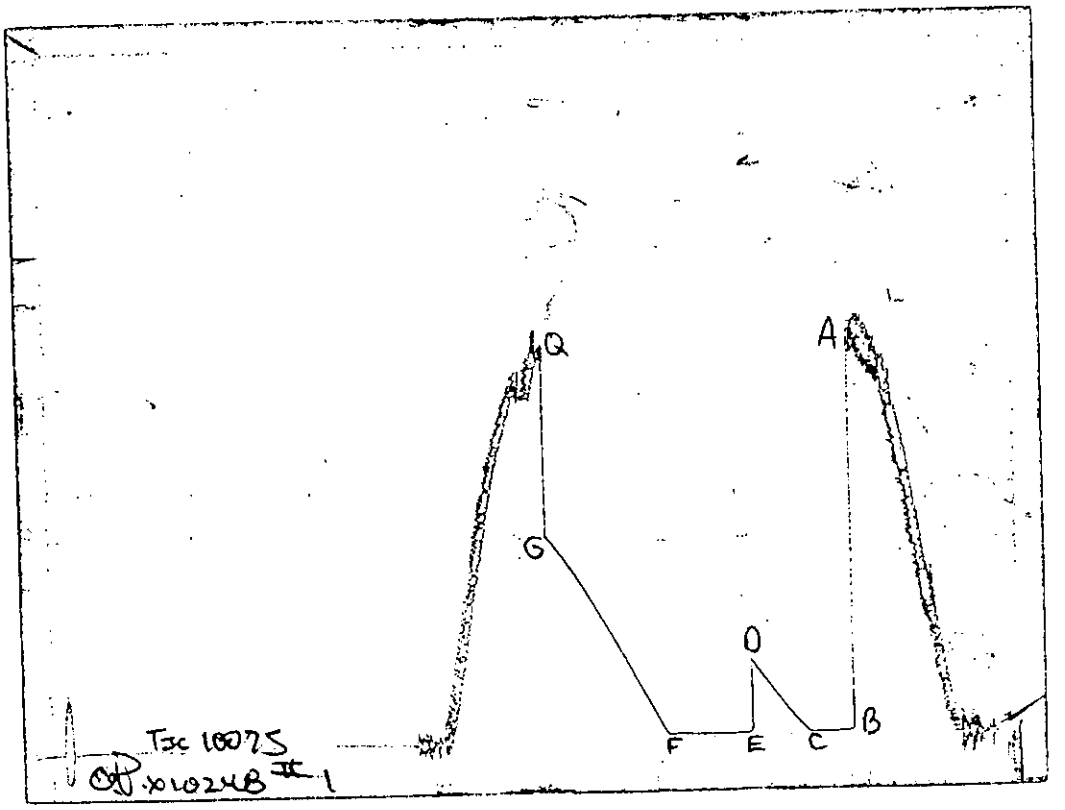
ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/14/97 TIME: 04:49:25

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	68.00	981.6	964.3	117.17	2.3235	0.964
	68.50	987.6	970.3	117.19	2.3139	0.975
	69.00	993.6	976.3	117.21	2.3043	0.987
	69.50	999.6	982.3	117.21	2.2950	0.999
	70.00	1005.5	988.2	117.23	2.2857	1.011
	70.50	1011.4	994.1	117.24	2.2766	1.023
	71.00	1017.3	1000	117.25	2.2676	1.035
	71.50	1023.2	1005.8	117.26	2.2587	1.047
	72.00	1029.0	1011.7	117.27	2.2500	1.059
	72.50	1034.8	1017.5	117.29	2.2414	1.071
	73.00	1040.5	1023.2	117.30	2.2329	1.083
	73.50	1046.3	1029.0	117.32	2.2245	1.095
	74.00	1052.0	1034.7	117.33	2.2162	1.107
	74.50	1057.6	1040.3	117.34	2.2081	1.119
	75.00	1063.3	1046.0	117.35	2.2000	1.131
	75.50	1068.9	1051.6	117.36	2.1921	1.142
	76.00	1074.4	1057.1	117.37	2.1842	1.154
	76.50	1080.0	1062.7	117.38	2.1765	1.166
	77.00	1085.5	1068.2	117.39	2.1688	1.178
	77.50	1091.0	1073.7	117.41	2.1613	1.190
	78.00	1096.4	1079.1	117.42	2.1538	1.202
	78.50	1101.9	1084.6	117.44	2.1465	1.214
	79.00	1107.2	1089.9	117.45	2.1392	1.226
	79.50	1112.5	1095.2	117.46	2.1321	1.238
	80.00	1117.8	1100.5	117.47	2.1250	1.250
	80.50	1123.2	1105.9	117.48	2.1180	1.262
	81.00	1128.4	1111.1	117.49	2.1111	1.273
	81.50	1133.6	1116.3	117.50	2.1043	1.285
	82.00	1138.8	1121.5	117.51	2.0976	1.297
	82.50	1143.9	1126.6	117.53	2.0909	1.309
	83.00	1149.0	1131.7	117.54	2.0843	1.320
	83.50	1154.1	1136.8	117.55	2.0778	1.332
	84.00	1159.1	1141.8	117.57	2.0714	1.344
	84.50	1164.1	1146.8	117.58	2.0651	1.355
	85.00	1169.2	1151.8	117.59	2.0588	1.367
	85.50	1174.1	1156.8	117.60	2.0526	1.379
	86.00	1179.0	1161.7	117.61	2.0465	1.390
	86.50	1183.9	1166.6	117.62	2.0405	1.402
	87.00	1188.8	1171.5	117.64	2.0345	1.413
	87.50	1193.6	1176.3	117.65	2.0286	1.425
	88.00	1198.4	1181.1	117.66	2.0227	1.436
	88.50	1203.1	1185.8	117.67	2.0169	1.447
	89.00	1207.8	1190.5	117.68	2.0112	1.459
	89.50	1212.5	1195.2	117.70	2.0056	1.470
****** End Shut-in 2	90.00	1217.1	1199.8	117.70	2.0000	1.481
****** Final Hydro.	325.00	2275.6	0.0	117.76		

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 10075

Well Name & No. Doggs Estate #4-9 Test No. 1 Date 11-14-97

Company Colt Resources Corp. Zone Tested Viola

Address 16701 Greenspoint Park Dr. Ste. 225 / Houston Tx. 77060 Elevation 1530 KB 1522 GL

Co. Rep / Geo. Jerry Smith Cont. Duke Drlg. #2 Est. Ft. of Pay 6 Por. 10 %

Location: Sec. 9 Twp. 33S Rge. 12W Co. Barber State Ks

No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4683 - 4697' Initial Str Wt./Lbs. 62,000 Unseated Str Wt./Lbs. 62,000

Anchor Length 14' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 67,000

Top Packer Depth 4678' Tool Weight 2100#

Bottom Packer Depth 4683' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4697' Wt. Pipe Run None Drill Collar Run None

Mud Wt. 9.3 LCM 2# Vis. 43 WL 12.0 cc. Drill Pipe Size 4½" X.H. Ft. Run 4670'

Blow Description IF: Fair to strong blow. Btm of bucket in 28 mins.

FF: Strong blow. Btm of bucket in 20 secs.

Recovery — Total Feet 25 FLUID GIP 780 Ft. in DC — Ft. in DP 25

Rec. 25 Feet Of O.C.M. %gas 4 %oil %water 96 %mud

Rec. Feet Of %gas %oil %water %mud

Rec. Feet Of %gas %oil %water %mud

Rec. Feet Of %gas %oil %water %mud

Rec. Feet Of %gas %oil %water %mud

BHT 118 °F Gravity N/A °API D@ 72 °F Corrected Gravity N/A °API

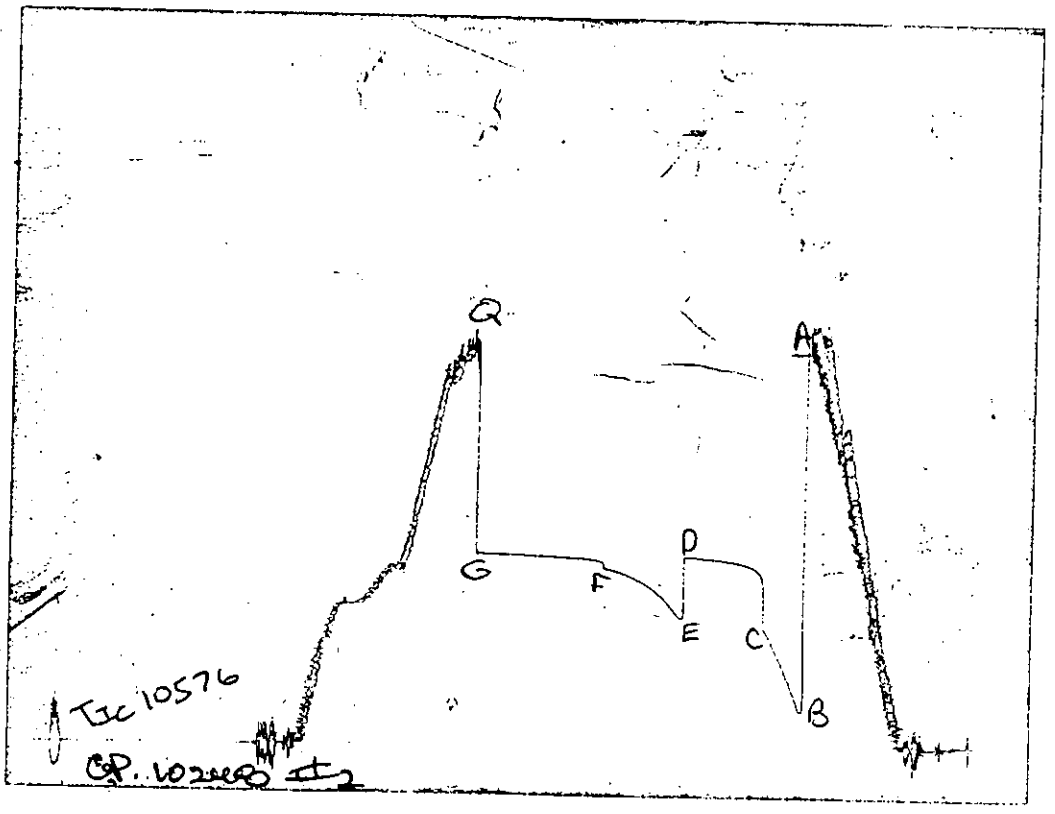
RW N.C. @ — °F Chlorides 7,000 ppm Recovery Chlorides 7,000 ppm System

(A) Initial Hydrostatic Mud	2311	2346 PSI	Recorder No.	10248	T-Started 0449
(B) First Initial Flow Pressure	16	13 PSI	(depth)	4694'	T-Open 0630
(C) First Final Flow Pressure	16	16 PSI	Recorder No.	3030	T-Pulled 1016
(D) Initial Shut-in Pressure	471	470 PSI	(depth)	4688'	T-Out 1200
(E) Second Initial Flow Pressure	18	15 PSI	Recorder No.	—	
(F) Second Final Flow Pressure	21	17 PSI	(depth)	—	
(G) Final Shut-in Pressure	1194	1217 PSI	Initial Opening	30	Test ✓ 700.00
(H) Final Hydrostatic Mud	2261	2276 PSI	Initial Shut-in	45	Jars
	AK-1	Alpine	Final Flow	60	Safety Joint ✓ 50.00
			Final Shut-in	90	Straddle
				4	Circ. Sub
					Sampler
					Extra Packer
					Elect. Rec. ✓ 150.00
					Other
					TOTAL PRICE $ ✓ 900.00

Approved By

Our Representative

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/15/97 TIME: 05:10:22

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	79.00	1117.2	73.8	132.11	2.1266	1.248
	79.50	1117.3	73.9	132.11	2.1195	1.248
	80.00	1117.4	74.0	132.11	2.1125	1.249
	80.50	1117.5	74.1	132.11	2.1056	1.249
	81.00	1117.7	74.3	132.11	2.0988	1.249
	81.50	1117.7	74.3	132.11	2.0920	1.249
	82.00	1117.8	74.4	132.11	2.0854	1.249
	82.50	1117.9	74.5	132.11	2.0788	1.250
	83.00	1118.0	74.6	132.11	2.0723	1.250
	83.50	1118.0	74.6	132.12	2.0659	1.250
	84.00	1118.2	74.8	132.12	2.0595	1.250
	84.50	1118.3	74.9	132.12	2.0533	1.251
	85.00	1118.4	75.0	132.12	2.0471	1.251
	85.50	1118.5	75.1	132.12	2.0409	1.251
	86.00	1118.6	75.2	132.12	2.0349	1.251
	86.50	1118.7	75.3	132.12	2.0289	1.251
	87.00	1118.7	75.3	132.12	2.0230	1.252
	87.50	1118.8	75.4	132.12	2.0171	1.252
	88.00	1118.9	75.5	132.12	2.0114	1.252
	88.50	1119.0	75.6	132.12	2.0056	1.252
	89.00	1119.1	75.7	132.12	2.0000	1.252
	89.50	1119.2	75.8	132.13	1.9944	1.253
	90.00	1119.3	75.9	132.13	1.9889	1.253
	90.50	1119.4	76.0	132.13	1.9834	1.253
	91.00	1119.5	76.1	132.13	1.9780	1.253
	91.50	1119.6	76.2	132.12	1.9727	1.253
	92.00	1119.7	76.3	132.12	1.9674	1.254
	92.50	1119.7	76.3	132.12	1.9622	1.254
	93.00	1119.8	76.4	132.12	1.9570	1.254
	93.50	1119.9	76.5	132.12	1.9519	1.254
	94.00	1120.0	76.6	132.12	1.9468	1.254
	94.50	1120.1	76.7	132.13	1.9418	1.255
	95.00	1120.1	76.7	132.12	1.9368	1.255
	95.50	1095.1	51.7	132.13	1.9319	1.199
	96.00	1121.2	77.8	132.13	1.9271	1.257
***** End Shut-in 2	96.50	1122.4	79.0	132.13	1.9223	1.260
***** Final Hydro.	365.50	2305.4	0.0	131.92		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/15/97 TIME: 05:10:22

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
53.50	1111.3	67.9	132.11	2.6636	1.235
54.00	1111.4	68.0	132.11	2.6481	1.235
54.50	1111.6	68.2	132.11	2.6330	1.236
55.00	1111.7	68.3	132.11	2.6182	1.236
55.50	1111.9	68.5	132.11	2.6036	1.236
56.00	1112.0	68.6	132.11	2.5893	1.237
56.50	1112.1	68.7	132.11	2.5752	1.237
57.00	1112.2	68.8	132.11	2.5614	1.237
57.50	1112.4	69.0	132.11	2.5478	1.237
58.00	1112.5	69.1	132.11	2.5345	1.238
58.50	1112.6	69.2	132.11	2.5214	1.238
59.00	1112.8	69.4	132.11	2.5085	1.238
59.50	1112.9	69.5	132.11	2.4958	1.238
60.00	1113.0	69.6	132.11	2.4833	1.239
60.50	1113.1	69.7	132.11	2.4711	1.239
61.00	1113.2	69.8	132.11	2.4590	1.239
61.50	1113.4	70.0	132.11	2.4472	1.240
62.00	1113.5	70.1	132.11	2.4355	1.240
62.50	1113.6	70.2	132.11	2.4240	1.240
63.00	1113.8	70.4	132.11	2.4127	1.240
63.50	1113.9	70.5	132.11	2.4016	1.241
64.00	1114.0	70.6	132.11	2.3906	1.241
64.50	1114.1	70.7	132.11	2.3798	1.241
65.00	1114.2	70.8	132.11	2.3692	1.241
65.50	1114.3	70.9	132.11	2.3588	1.242
66.00	1114.4	71.0	132.11	2.3485	1.242
66.50	1114.5	71.1	132.11	2.3383	1.242
67.00	1114.6	71.2	132.11	2.3284	1.242
67.50	1114.8	71.4	132.11	2.3185	1.243
68.00	1114.9	71.5	132.11	2.3088	1.243
68.50	1115.0	71.6	132.11	2.2993	1.243
69.00	1115.1	71.7	132.11	2.2899	1.244
69.50	1115.2	71.8	132.11	2.2806	1.244
70.00	1115.3	71.9	132.11	2.2714	1.244
70.50	1115.5	72.1	132.11	2.2624	1.244
71.00	1115.6	72.2	132.11	2.2535	1.244
71.50	1115.7	72.3	132.11	2.2448	1.245
72.00	1115.8	72.4	132.11	2.2361	1.245
72.50	1115.8	72.4	132.11	2.2276	1.245
73.00	1116.0	72.6	132.11	2.2192	1.245
73.50	1116.1	72.7	132.12	2.2109	1.246
74.00	1116.2	72.8	132.11	2.2027	1.246
74.50	1116.3	72.9	132.11	2.1946	1.246
75.00	1116.4	73.0	132.11	2.1867	1.246
75.50	1116.5	73.1	132.11	2.1788	1.247
76.00	1116.6	73.2	132.12	2.1711	1.247
76.50	1116.7	73.3	132.11	2.1634	1.247
77.00	1116.8	73.4	132.12	2.1558	1.247
77.50	1116.9	73.5	132.11	2.1484	1.247
78.00	1117.0	73.6	132.11	2.1410	1.248
78.50	1117.1	73.7	132.11	2.1338	1.248

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/15/97 TIME: 05:10:22

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
28.00	1103.0	59.6	132.19	4.1786	1.217
28.50	1103.1	59.7	132.19	4.1228	1.217
29.00	1103.4	60.0	132.18	4.0690	1.217
29.50	1103.6	60.2	132.18	4.0169	1.218
30.00	1103.8	60.4	132.18	3.9667	1.218
30.50	1104.0	60.6	132.17	3.9180	1.219
31.00	1104.2	60.8	132.17	3.8710	1.219
31.50	1104.4	61.0	132.17	3.8254	1.220
32.00	1104.6	61.2	132.17	3.7812	1.220
32.50	1104.7	61.3	132.17	3.7385	1.220
33.00	1104.9	61.5	132.17	3.6970	1.221
33.50	1105.1	61.7	132.16	3.6567	1.221
34.00	1105.3	61.9	132.15	3.6176	1.222
34.50	1105.4	62.0	132.16	3.5797	1.222
35.00	1105.7	62.3	132.16	3.5429	1.223
35.50	1105.8	62.4	132.15	3.5070	1.223
36.00	1106.0	62.6	132.15	3.4722	1.223
36.50	1106.2	62.8	132.14	3.4384	1.224
37.00	1106.3	62.9	132.14	3.4054	1.224
37.50	1106.5	63.1	132.14	3.3733	1.224
38.00	1106.7	63.3	132.14	3.3421	1.225
38.50	1106.8	63.4	132.14	3.3117	1.225
39.00	1107.0	63.6	132.14	3.2821	1.225
39.50	1107.2	63.8	132.13	3.2532	1.226
40.00	1107.3	63.9	132.13	3.2250	1.226
40.50	1107.5	64.1	132.14	3.1975	1.227
41.00	1107.7	64.2	132.13	3.1707	1.227
41.50	1107.8	64.4	132.14	3.1446	1.227
42.00	1108.0	64.6	132.13	3.1190	1.228
42.50	1108.1	64.7	132.13	3.0941	1.228
43.00	1108.3	64.9	132.13	3.0698	1.228
43.50	1108.5	65.0	132.13	3.0460	1.229
44.00	1108.6	65.2	132.13	3.0227	1.229
44.50	1108.8	65.3	132.12	3.0000	1.229
45.00	1108.9	65.5	132.12	2.9778	1.230
45.50	1109.1	65.7	132.12	2.9560	1.230
46.00	1109.2	65.8	132.12	2.9348	1.230
46.50	1109.4	65.9	132.12	2.9140	1.231
47.00	1109.5	66.1	132.12	2.8936	1.231
47.50	1109.7	66.3	132.12	2.8737	1.231
48.00	1109.8	66.4	132.12	2.8542	1.232
48.50	1110.0	66.6	132.12	2.8351	1.232
49.00	1110.1	66.7	132.12	2.8163	1.232
49.50	1110.3	66.9	132.12	2.7980	1.233
50.00	1110.4	67.0	132.12	2.7800	1.233
50.50	1110.6	67.2	132.12	2.7624	1.233
51.00	1110.7	67.3	132.12	2.7451	1.234
51.50	1110.8	67.4	132.12	2.7282	1.234
52.00	1110.9	67.5	132.12	2.7115	1.234
52.50	1111.1	67.7	132.12	2.6952	1.234
53.00	1111.2	67.8	132.11	2.6792	1.235

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.
DATE: 11/15/97 TIME: 05:10:22

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
2.50	1085.8	42.4	132.50	36.6000	1.179
3.00	1086.5	43.1	132.50	30.6667	1.181
3.50	1087.2	43.8	132.50	26.4286	1.182
4.00	1087.8	44.4	132.50	23.2500	1.183
4.50	1088.3	44.9	132.50	20.7778	1.184
5.00	1088.9	45.5	132.49	18.8000	1.186
5.50	1089.4	46.0	132.49	17.1818	1.187
6.00	1089.9	46.5	132.48	15.8333	1.188
6.50	1090.3	46.9	132.48	14.6923	1.189
7.00	1090.9	47.5	132.47	13.7143	1.190
7.50	1091.3	47.9	132.46	12.8667	1.191
8.00	1091.7	48.3	132.45	12.1250	1.192
8.50	1092.2	48.8	132.45	11.4706	1.193
9.00	1092.5	49.1	132.44	10.8889	1.194
9.50	1093.0	49.5	132.43	10.3684	1.195
10.00	1093.3	49.9	132.42	9.9000	1.195
10.50	1093.7	50.2	132.41	9.4762	1.196
11.00	1094.1	50.6	132.40	9.0909	1.197
11.50	1094.4	51.0	132.39	8.7391	1.198
12.00	1094.7	51.3	132.38	8.4167	1.198
12.50	1095.1	51.7	132.37	8.1200	1.199
13.00	1095.4	52.0	132.36	7.8462	1.200
13.50	1095.7	52.3	132.35	7.5926	1.201
14.00	1096.0	52.6	132.34	7.3571	1.201
14.50	1096.3	52.9	132.34	7.1379	1.202
15.00	1096.6	53.2	132.32	6.9333	1.203
15.50	1096.9	53.5	132.31	6.7419	1.203
16.00	1097.2	53.8	132.31	6.5625	1.204
16.50	1097.5	54.1	132.30	6.3939	1.205
17.00	1097.8	54.4	132.29	6.2353	1.205
17.50	1098.1	54.7	132.29	6.0857	1.206
18.00	1098.3	54.9	132.28	5.9444	1.206
18.50	1098.6	55.2	132.27	5.8108	1.207
19.00	1098.8	55.4	132.27	5.6842	1.207
19.50	1099.1	55.7	132.26	5.5641	1.208
20.00	1099.4	56.0	132.25	5.4500	1.209
20.50	1099.6	56.2	132.25	5.3415	1.209
21.00	1099.8	56.4	132.24	5.2381	1.210
21.50	1100.1	56.7	132.23	5.1395	1.210
22.00	1100.4	57.0	132.23	5.0455	1.211
22.50	1100.6	57.2	132.23	4.9556	1.211
23.00	1100.8	57.4	132.22	4.8696	1.212
23.50	1101.0	57.6	132.22	4.7872	1.212
24.00	1101.3	57.9	132.21	4.7083	1.213
24.50	1101.5	58.1	132.21	4.6327	1.213
25.00	1101.7	58.3	132.20	4.5600	1.214
25.50	1101.9	58.5	132.20	4.4902	1.214
26.00	1102.1	58.7	132.20	4.4231	1.215
26.50	1102.3	58.9	132.19	4.3585	1.215
27.00	1102.6	59.2	132.20	4.2963	1.216
27.50	1102.7	59.3	132.19	4.2364	1.216

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/15/97 TIME: 05:10:22

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	36.50	989.2	257.2	132.55		
	37.00	991.0	259.0	132.55		
	37.50	992.5	260.6	132.55		
	38.00	994.1	262.1	132.55		
	38.50	995.7	263.7	132.55		
	39.00	997.2	265.2	132.56		
	39.50	998.7	266.7	132.56		
	40.00	1000.4	268.5	132.55		
	40.50	1001.9	270.0	132.55		
	41.00	1003.4	271.4	132.55		
	41.50	1004.9	272.9	132.55		
	42.00	1006.3	274.3	132.55		
	42.50	1007.6	275.6	132.55		
	43.00	1009.0	277.0	132.55		
	43.50	1010.3	278.3	132.55		
	44.00	1011.5	279.6	132.55		
	44.50	1012.8	280.9	132.54		
	45.00	1014.0	282.0	132.54		
	45.50	1015.5	283.5	132.54		
	46.00	1016.9	284.9	132.54		
	46.50	1018.1	286.1	132.54		
	47.00	1019.3	287.3	132.54		
	47.50	1020.5	288.5	132.54		
	48.00	1021.6	289.6	132.53		
	48.50	1022.7	290.8	132.53		
	49.00	1023.9	291.9	132.53		
	49.50	1025.0	293.0	132.53		
	50.00	1026.0	294.1	132.53		
	50.50	1027.1	295.2	132.53		
	51.00	1028.2	296.2	132.53		
	51.50	1029.1	297.2	132.53		
	52.00	1030.4	298.4	132.53		
	52.50	1031.5	299.6	132.52		
	53.00	1032.6	300.6	132.52		
	53.50	1033.5	301.5	132.52		
	54.00	1034.5	302.6	132.52		
	54.50	1035.4	303.5	132.52		
	55.00	1036.4	304.5	132.51		
	55.50	1037.4	305.4	132.52		
	56.00	1038.3	306.3	132.51		
	56.50	1039.1	307.1	132.52		
	57.00	1040.0	308.1	132.52		
	57.50	1040.9	308.9	132.52		
	58.00	1041.8	309.8	132.52		
	58.50	1042.6	310.6	132.51		
****** End Flow 2	59.00	1043.4	311.4	132.51		
****** Start Shutin 2	0.00	1043.4	0.0	132.51	0.0000	1.089
	0.50	1077.0	33.6	132.51	179.0000	1.160
	1.00	1082.0	38.6	132.51	90.0000	1.171
	1.50	1083.8	40.4	132.51	60.3333	1.175
	2.00	1084.9	41.5	132.51	45.5000	1.177

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/15/97 TIME: 05:10:22

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
11.00	848.2	116.2	132.33		
11.50	852.5	120.5	132.35		
12.00	856.6	124.7	132.37		
12.50	860.7	128.8	132.40		
13.00	864.6	132.7	132.42		
13.50	868.6	136.6	132.43		
14.00	872.5	140.5	132.44		
14.50	876.2	144.3	132.45		
15.00	879.9	148.0	132.46		
15.50	883.5	151.6	132.48		
16.00	887.1	155.1	132.49		
16.50	890.6	158.6	132.50		
17.00	894.0	162.0	132.50		
17.50	897.4	165.4	132.52		
18.00	900.8	168.8	132.52		
18.50	904.1	172.1	132.53		
19.00	907.2	175.3	132.53		
19.50	910.3	178.3	132.54		
20.00	913.5	181.6	132.54		
20.50	916.5	184.6	132.54		
21.00	919.4	187.5	132.55		
21.50	922.2	190.3	132.55		
22.00	925.0	193.0	132.55		
22.50	927.8	195.9	132.55		
23.00	930.6	198.6	132.55		
23.50	933.3	201.3	132.56		
24.00	935.9	203.9	132.56		
24.50	938.4	206.4	132.56		
25.00	941.1	209.1	132.56		
25.50	943.6	211.6	132.55		
26.00	946.0	214.1	132.56		
26.50	948.5	216.6	132.55		
27.00	950.8	218.9	132.56		
27.50	953.0	221.1	132.56		
28.00	955.4	223.4	132.56		
28.50	957.6	225.7	132.56		
29.00	959.8	227.9	132.55		
29.50	962.0	230.0	132.55		
30.00	964.1	232.1	132.55		
30.50	966.1	234.2	132.55		
31.00	968.3	236.4	132.55		
31.50	970.4	238.5	132.56		
32.00	972.4	240.5	132.55		
32.50	974.4	242.4	132.55		
33.00	976.3	244.4	132.55		
33.50	978.2	246.3	132.55		
34.00	980.0	248.1	132.55		
34.50	981.8	249.9	132.55		
35.00	983.6	251.6	132.55		
35.50	985.6	253.6	132.55		
36.00	987.5	255.5	132.55		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/15/97 TIME: 05:10:22

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	45.50	1106.3	396.1	131.07	1.6593	1.224
	46.00	1106.5	396.4	131.07	1.6522	1.224
	46.50	1106.8	396.7	131.08	1.6452	1.225
	47.00	1107.1	396.9	131.08	1.6383	1.226
	47.50	1107.3	397.2	131.08	1.6316	1.226
	48.00	1107.7	397.5	131.08	1.6250	1.227
	48.50	1108.2	398.0	131.08	1.6186	1.228
	49.00	1108.6	398.4	131.08	1.6122	1.229
	49.50	1108.9	398.7	131.08	1.6061	1.230
	50.00	1109.2	399.0	131.09	1.6000	1.230
	50.50	1109.5	399.3	131.09	1.5941	1.231
	51.00	1109.8	399.6	131.09	1.5882	1.232
	51.50	1110.0	399.9	131.10	1.5825	1.232
	52.00	1110.3	400.1	131.10	1.5769	1.233
	52.50	1110.5	400.3	131.10	1.5714	1.233
	53.00	1110.7	400.6	131.10	1.5660	1.234
	53.50	1111.0	400.8	131.10	1.5607	1.234
	54.00	1111.2	401.0	131.10	1.5556	1.235
	54.50	1111.4	401.2	131.10	1.5505	1.235
	55.00	1111.6	401.4	131.10	1.5455	1.236
	55.50	1111.8	401.6	131.10	1.5405	1.236
	56.00	1112.0	401.8	131.10	1.5357	1.237
	56.50	1112.2	402.0	131.10	1.5310	1.237
	57.00	1112.4	402.2	131.11	1.5263	1.237
	57.50	1112.6	402.4	131.11	1.5217	1.238
	58.00	1112.9	402.7	131.12	1.5172	1.238
	58.50	1113.1	402.9	131.12	1.5128	1.239
	59.00	1113.4	403.2	131.13	1.5085	1.240
****** End Shut-in 1	59.50	1113.6	403.4	131.13	1.5042	1.240
****** Start Flow 2	0.00	732.0	0.0	131.13		
	0.50	736.3	4.3	131.13		
	1.00	742.4	10.4	131.14		
	1.50	748.7	16.8	131.15		
	2.00	755.0	23.1	131.18		
	2.50	761.3	29.3	131.23		
	3.00	767.3	35.3	131.30		
	3.50	773.4	41.4	131.37		
	4.00	779.1	47.1	131.46		
	4.50	784.8	52.8	131.56		
	5.00	790.2	58.3	131.65		
	5.50	795.3	63.4	131.74		
	6.00	800.7	68.8	131.82		
	6.50	805.8	73.8	131.89		
	7.00	810.8	78.9	131.97		
	7.50	815.9	83.9	132.04		
	8.00	820.7	88.7	132.09		
	8.50	825.5	93.5	132.14		
	9.00	830.2	98.2	132.19		
	9.50	834.8	102.9	132.23		
	10.00	839.3	107.3	132.27		
	10.50	843.9	112.0	132.30		

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING
TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.
DATE: 11/15/97 TIME: 05:10:22

Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
20.00	1083.2	373.1	131.27	2.5000	1.173
20.50	1084.0	373.8	131.26	2.4634	1.175
21.00	1084.7	374.5	131.25	2.4286	1.177
21.50	1085.3	375.2	131.23	2.3953	1.178
22.00	1086.0	375.8	131.22	2.3636	1.179
22.50	1086.6	376.5	131.21	2.3333	1.181
23.00	1087.3	377.1	131.20	2.3043	1.182
23.50	1087.9	377.7	131.19	2.2766	1.184
24.00	1088.5	378.3	131.18	2.2500	1.185
24.50	1089.0	378.9	131.17	2.2245	1.186
25.00	1089.6	379.4	131.16	2.2000	1.187
25.50	1090.1	379.9	131.15	2.1765	1.188
26.00	1090.7	380.5	131.15	2.1538	1.190
26.50	1091.2	381.0	131.13	2.1321	1.191
27.00	1091.8	381.6	131.13	2.1111	1.192
27.50	1092.3	382.1	131.12	2.0909	1.193
28.00	1092.8	382.6	131.11	2.0714	1.194
28.50	1093.3	383.1	131.11	2.0526	1.195
29.00	1093.8	383.6	131.11	2.0345	1.196
29.50	1094.2	384.0	131.10	2.0169	1.197
30.00	1094.7	384.5	131.10	2.0000	1.198
30.50	1095.2	385.0	131.10	1.9836	1.199
31.00	1095.7	385.5	131.09	1.9677	1.201
31.50	1096.1	385.9	131.09	1.9524	1.201
32.00	1096.5	386.3	131.09	1.9375	1.202
32.50	1096.9	386.8	131.08	1.9231	1.203
33.00	1097.4	387.2	131.08	1.9091	1.204
33.50	1097.8	387.6	131.08	1.8955	1.205
34.00	1098.2	388.1	131.08	1.8824	1.206
34.50	1098.7	388.5	131.08	1.8696	1.207
35.00	1099.1	388.9	131.08	1.8571	1.208
35.50	1099.5	389.3	131.07	1.8451	1.209
36.00	1099.9	389.7	131.07	1.8333	1.210
36.50	1100.3	390.1	131.07	1.8219	1.211
37.00	1100.6	390.4	131.07	1.8108	1.211
37.50	1101.0	390.8	131.07	1.8000	1.212
38.00	1101.3	391.2	131.07	1.7895	1.213
38.50	1101.7	391.5	131.06	1.7792	1.214
39.00	1102.0	391.8	131.06	1.7692	1.214
39.50	1102.4	392.2	131.06	1.7595	1.215
40.00	1102.7	392.5	131.06	1.7500	1.216
40.50	1103.0	392.8	131.06	1.7407	1.217
41.00	1103.4	393.2	131.07	1.7317	1.217
41.50	1103.7	393.5	131.06	1.7229	1.218
42.00	1104.1	393.9	131.06	1.7143	1.219
42.50	1104.4	394.3	131.06	1.7059	1.220
43.00	1104.7	394.6	131.06	1.6977	1.220
43.50	1105.1	394.9	131.06	1.6897	1.221
44.00	1105.4	395.2	131.06	1.6818	1.222
44.50	1105.7	395.5	131.07	1.6742	1.223
45.00	1106.0	395.8	131.07	1.6667	1.223

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/15/97 TIME: 05:10:22

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
	25.00	647.7	432.7	131.46		
	25.50	654.4	439.4	131.49		
	26.00	661.0	446.0	131.53		
	26.50	667.4	452.4	131.56		
	27.00	673.8	458.8	131.59		
	27.50	679.8	464.9	131.61		
	28.00	686.1	471.1	131.64		
	28.50	692.1	477.2	131.66		
	29.00	698.3	483.3	131.68		
	29.50	704.2	489.3	131.70		
***** End Flow 1	30.00	710.2	495.2	131.72		
***** Start Shutin 1	0.00	710.2	0.0	131.72	0.0000	0.504
	0.50	938.2	228.0	131.74	61.0000	0.880
	1.00	987.5	277.3	131.75	31.0000	0.975
	1.50	1004.2	294.1	131.78	21.0000	1.008
	2.00	1014.0	303.9	131.80	16.0000	1.028
	2.50	1021.1	311.0	131.81	13.0000	1.043
	3.00	1026.7	316.6	131.84	11.0000	1.054
	3.50	1031.5	321.4	131.86	9.5714	1.064
	4.00	1035.6	325.4	131.88	8.5000	1.072
	4.50	1039.1	328.9	131.89	7.6667	1.080
	5.00	1042.2	332.0	131.91	7.0000	1.086
	5.50	1045.2	335.0	131.91	6.4545	1.092
	6.00	1048.1	337.9	131.92	6.0000	1.098
	6.50	1050.9	340.8	131.92	5.6154	1.104
	7.00	1053.2	343.0	131.91	5.2857	1.109
	7.50	1055.3	345.1	131.90	5.0000	1.114
	8.00	1057.2	347.0	131.88	4.7500	1.118
	8.50	1058.9	348.7	131.86	4.5294	1.121
	9.00	1060.6	350.4	131.83	4.3333	1.125
	9.50	1062.1	351.9	131.80	4.1579	1.128
	10.00	1063.6	353.4	131.76	4.0000	1.131
	10.50	1065.0	354.8	131.74	3.8571	1.134
	11.00	1066.3	356.1	131.70	3.7273	1.137
	11.50	1067.5	357.3	131.67	3.6087	1.140
	12.00	1068.7	358.5	131.63	3.5000	1.142
	12.50	1069.9	359.8	131.60	3.4000	1.145
	13.00	1071.0	360.9	131.57	3.3077	1.147
	13.50	1072.1	361.9	131.53	3.2222	1.149
	14.00	1073.1	362.9	131.51	3.1429	1.152
	14.50	1074.1	363.9	131.48	3.0690	1.154
	15.00	1075.0	364.9	131.46	3.0000	1.156
	15.50	1076.0	365.8	131.43	2.9355	1.158
	16.00	1076.9	366.7	131.41	2.8750	1.160
	16.50	1077.7	367.6	131.39	2.8182	1.162
	17.00	1078.6	368.4	131.37	2.7647	1.163
	17.50	1079.4	369.2	131.35	2.7143	1.165
	18.00	1080.2	370.0	131.33	2.6667	1.167
	18.50	1081.0	370.8	131.31	2.6216	1.169
	19.00	1081.8	371.6	131.30	2.5789	1.170
	19.50	1082.5	372.4	131.29	2.5385	1.172

ALPINE SUBSURFACE ELECTRONICS PROBE INCREMENTS LISTING

TEST: 10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

DATE: 11/15/97 TIME: 05:10:22

	Time	Pressure PSIg	delta P PSIg	Temp. DEG F	(T+dT)/dT	P^2/10^6
****** Initial Hydro.	116.00	2370.9	0.0	103.40		
****** Start Flow 1	0.00	215.0	0.0	104.51		
	0.50	186.7	-28.3	104.70		
	1.00	184.7	-30.3	105.05		
	1.50	190.3	-24.6	105.70		
	2.00	200.0	-14.9	106.72		
	2.50	210.4	-4.6	108.08		
	3.00	222.4	7.4	109.69		
	3.50	234.5	19.5	111.45		
	4.00	246.9	31.9	113.29		
	4.50	259.4	44.4	115.09		
	5.00	271.8	56.8	116.80		
	5.50	284.3	69.3	118.37		
	6.00	296.9	82.0	119.82		
	6.50	309.6	94.7	121.11		
	7.00	322.1	107.1	122.30		
	7.50	334.3	119.4	123.37		
	8.00	346.0	131.1	124.32		
	8.50	357.6	142.7	125.15		
	9.00	369.0	154.0	125.89		
	9.50	380.3	165.3	126.54		
	10.00	391.1	176.2	127.13		
	10.50	402.0	187.0	127.64		
	11.00	412.4	197.5	128.10		
	11.50	422.9	207.9	128.50		
	12.00	433.2	218.2	128.84		
	12.50	443.4	228.4	129.15		
	13.00	453.3	238.3	129.42		
	13.50	463.1	248.2	129.65		
	14.00	472.6	257.6	129.85		
	14.50	482.0	267.0	130.03		
	15.00	491.4	276.4	130.19		
	15.50	500.4	285.4	130.33		
	16.00	509.4	294.4	130.45		
	16.50	518.2	303.3	130.56		
	17.00	527.0	312.0	130.66		
	17.50	535.6	320.7	130.75		
	18.00	544.1	329.1	130.82		
	18.50	552.4	337.4	130.90		
	19.00	560.6	345.7	130.96		
	19.50	568.5	353.5	131.02		
	20.00	576.4	361.4	131.07		
	20.50	584.0	369.1	131.12		
	21.00	591.1	376.2	131.17		
	21.50	598.4	383.5	131.21		
	22.00	605.7	390.8	131.26		
	22.50	613.0	398.0	131.29		
	23.00	620.0	405.1	131.33		
	23.50	627.1	412.1	131.36		
	24.00	634.0	419.0	131.39		
	24.50	640.9	426.0	131.43		

*** TOOL DIAGRAM *** CONVENTIONAL

ELL NAME: Boggs Estate #4-9

OCATION : 09-33S-12W Barber Co KS

ICKET No. 10576 D.S.T. No. 2 DATE 11-15-97

OTAL TOOL TO BOTTOM OF TOP PACKERS 22

NTERVAL TOOL .....

OTTOM PACKERS AND ANCHOR 37

OTAL TOOL 59

RILL COLLAR ANCHOR IN INTERVAL .....

.C. ANCHOR STND.Stands Single Total

.P. ANCHOR STND.Stands Single Total

OTAL ASSEMBLY 59

.C. ABOVE TOOLS.Stands Single Total

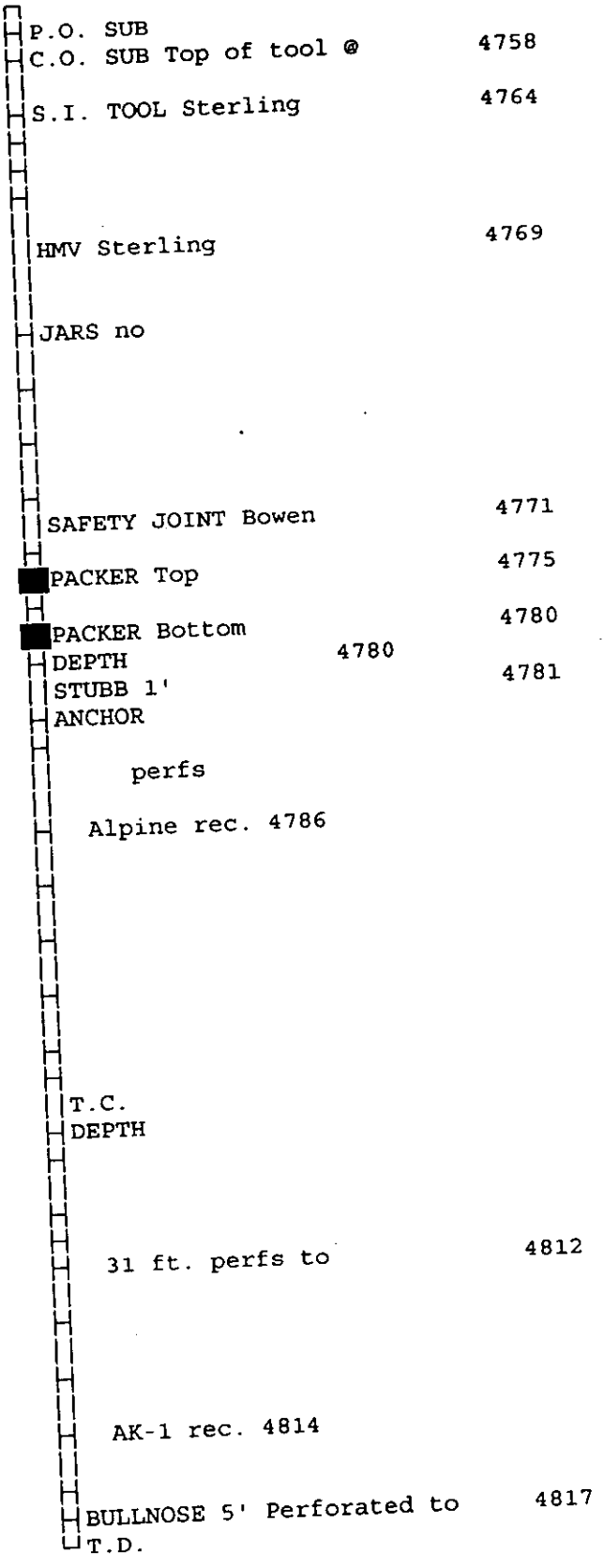
.P. ABOVE TOOLS.Stands77 Single Total 4762

OTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4821

OTAL DEPTH 4817

OTAL DRILL PIPE ABOVE K.B. 4

EMARKS:



TRILOBITE TESTING L.L.C.

OPERATOR : Colt Resources Corp.
WELL NAME: Boggs Estate #4-9
LOCATION : 09-33S-12W Barber Co KS
INTERVAL : 4780.00 To 4817.00 ft

DATE 11-15-97
KB 1530.00 ft
GR 1522.00 ft
TD 4817.00 ft

TICKET NO: 10576 DST #2
FORMATION: Simpson
TEST TYPE: CONVENTIONAL

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	10248	10248	3030		
SI	60	Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0
SF	60	Clock(hrs)	12hr.	12hr.	Batt.		
FS	90	Depth(ft)	4814.0	4814.0	4786.0	0.0	0.0

TIME DATA----------
PF Fr. 0710 to 0740 hr
IS Fr. 0740 to 0840 hr
SF Fr. 0840 to 0940 hr
FS Fr. 0940 to 1110 hr

	Field	1	2	3	4
A. Init Hydro	2338.0	2367.0	2371.0	0.0	0.0
B. First Flow	187.0	220.0	215.0	0.0	0.0
B1. Final Flow	690.0	697.0	710.0	0.0	0.0
C. In Shut-in	1109.0	1098.0	1114.0	0.0	0.0
D. Init Flow	738.0	756.0	732.0	0.0	0.0
E. Final Flow	1043.0	1033.0	1043.0	0.0	0.0
F. Fl Shut-in	1115.0	1109.0	1122.0	0.0	0.0
G. Final Hydro	2294.0	2303.0	2305.0	0.0	0.0
Inside/Outside	O	O	I	T	

T STARTED 0510 hr
T ON BOTM 0704 hr
T. OPEN 0710 hr
T PULLED 1114 hr
T OUT 1410 hr

RECOVERY
Tot Fluid 2260.00 ft of 0.00 ft in DC and 2260.00 ft in DP
360.00 ft of Gas in pipe.
85.00 ft of Gassy Oil cut Mud 15%G 15%O 70%W
185.00 ft of Gassy Oil cut Watery Mud 20%G 15%O 30%W 35%M
185.00 ft of Gas &Oil cut Muddy Water 5%G 5%O 20%M 70%W
1805.00 ft of Slight Oil & Gas Cut Water 2%O 2%G 96%W
0.00 ft of Clean oil @ top of tool.
0.00 ft of Rw .079 ohms @ 54 degrees F.
0.00 ft of EST. FT. OF PAY----------12
SALINITY 139000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION
Initial Flow: Strong Blow
Bottom of Bucket in 1 minute.

Initial Shut-in: No Blow.

Final Flow: Strong Blow
Bottom of Bucket in 3 minutes.

Final Shut-in: Weak Blow after
blow-down of 1/2 - 2".

SAMPLES: none
SENT TO:Caraway / Liberal Ks

Test Successful: Y

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	97000.00 lbs
Initial Str Wt	60000.00 lbs
Unseated Str Wt	77000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	4762.00 ft

MUD DATA----------

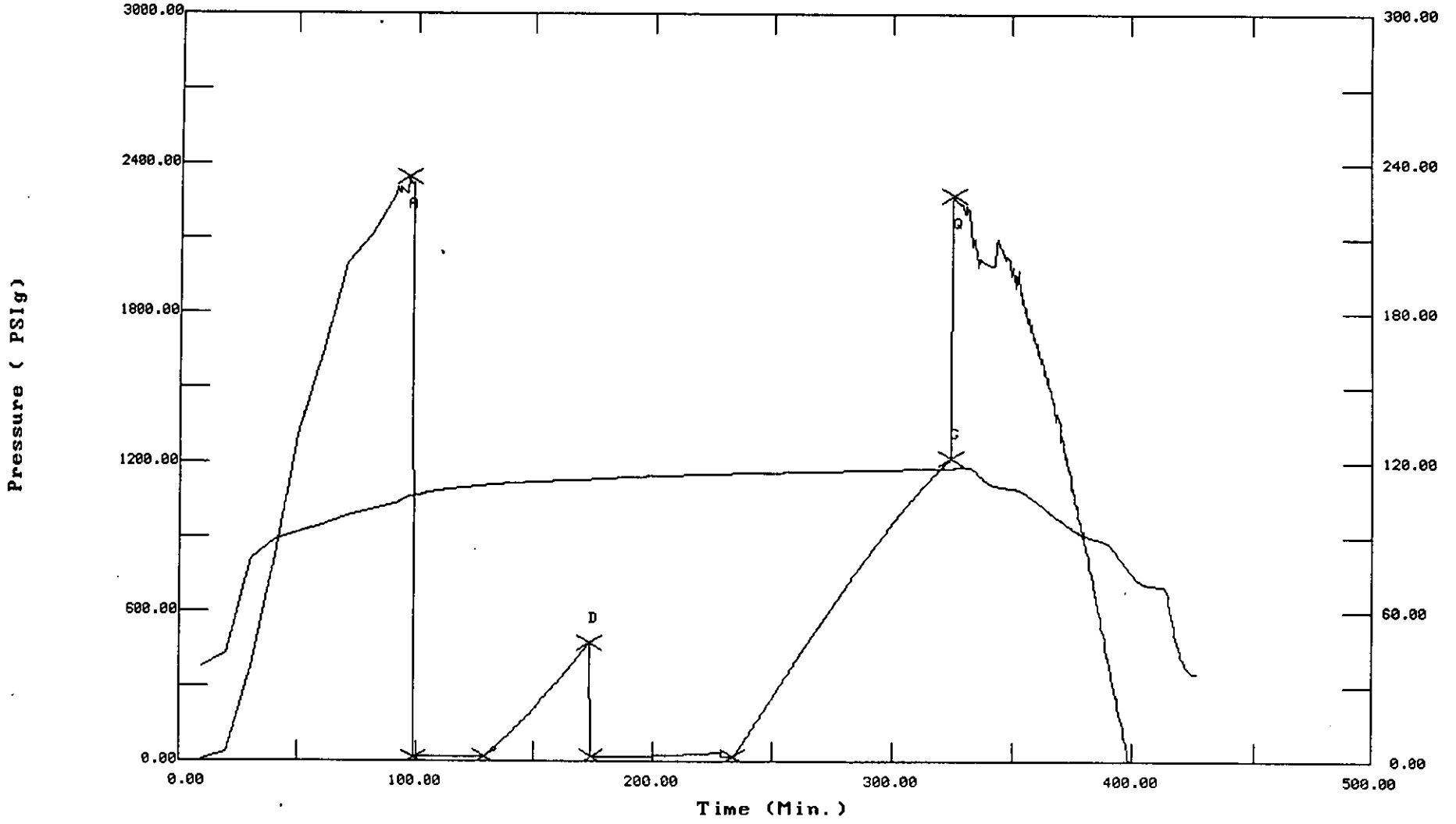
Mud Type	Chemical
Weight	9.30 lb/(
Vis.	51.00 S/L
W.L.	11.20 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	133.00 F
Hole Condition	good
% Porosity	20.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Jerry Smith
Contr.	Duke Drilling
Rig #	2
Unit #	
Pump T.	LCM 2#/bl

TEST HISTORY

10075 DST#1 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2345.63
B:	0.00	12.54
C:	30.50	15.51
D:	44.50	470.40
E:	0.00	15.10
F:	59.50	17.31
G:	90.00	1217.14
Q:	0.00	2275.58



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 10576

Well Name & No. Boggs Estate #4-9 Test No. 2 Date 11-15-97

Company Colt Resources Corp. Zone Tested Simpson

Address Houston Tx. 77060 Elevation 1530 KB 1522 GL

Co. Rep / Geo. Jerry Smith Cont. Duke Drlg. #2 Est. Ft. of Pay 12 Por. 20 %

Location: Sec. 9 Twp. 33 S Rge. 12 W Co. Barber State Ks.

No. of Copies 5 Distribution Sheet (Y, N) N Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4780 - 4817'

Anchor Length 37'

Top Packer Depth 4775'

Bottom Packer Depth 4780'

Total Depth 4817'

Mud Wt. 9.3 LCM 2# Vis. 51 WL 11.2 cc

Blow Description IF: Strong blow. Btm. of bucket in 1 min.

FF: Strong blow. Btm. of bucket in 3 mins.

FSI: Weak blow after below down.

Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 77,000

Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 97,000

Tool Weight 2100#

Hole Size — 7 7/8" — Rubber Size — 6 3/4" —

Wt. Pipe Run None Drill Collar Run None

Drill Pipe Size 4½" X.H. Ft. Run 4762

Recovery — Total Feet 2260 FluidGIP 360 Ft. in DC — Ft. in DP 2260

Rec. 85	Feet Of G.O.C.M.	15 ‰gas	15 ‰oil	‰water 70	‰mud		
Rec. 185	Feet Of G.O.C.W.M.	20 ‰gas	15 ‰oil	30 ‰water	35 ‰mud		
Rec. 185	Feet Of G&O.C.M.W.	5 ‰gas	5 ‰oil	70 ‰water	20 ‰mud		
Rec. 1805	Feet Of S.O.&G.C.W.	2 ‰gas	2 ‰oil	96 ‰water	‰mud		
Rec. —	Feet Of Clean Oil @ Top of Tool	‰gas	‰oil	‰water	‰mud		

BHT 133 °F Gravity N/A °API D@ — °F Corrected Gravity N/A °API

RW .079 @ 54 °F Chlorides 139,000 ppm Recovery Chlorides 7,000 ppm System

(A) Initial Hydrostatic Mud	2338	2371 PSI	Recorder No.	10248	T-Started 0510
(B) First Initial Flow Pressure	187	215 PSI	(depth)	4814'	T-Open 0710
(C) First Final Flow Pressure	690	710 PSI	Recorder No.	3030	T-Pulled 1114
(D) Initial Shut-in Pressure	1109	1114 PSI	(depth)	4786'	T-Out 1410
(E) Second Initial Flow Pressure	738	732 PSI	Recorder No.	—	
(F) Second Final Flow Pressure	1043	1043 PSI	(depth)	—	
(G) Final Shut-in Pressure	1115	1122 PSI	Initial Opening	30	Test 700.00
(H) Final Hydrostatic Mud	2294	2305 PSI	Initial Shut-in	60	Jars —
	AK-1	Alpine	Final Flow	60	Safety Joint 50.00
			Final Shut-in	90	Straddle —
					Circ. Sub 35.00
					Sampler —
					Extra Packer —
					Elect. Rec. 150.00
					Other —

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By _____

TEST HISTORY

10576 DST#2 BOGGS ESTATE#4-9 COLT RESOURCES CORP.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2370.93
B:	0.00	214.96
C:	30.00	710.17
D:	59.50	1113.62
E:	0.00	731.96
F:	59.00	1043.40
G:	96.50	1122.39
Q:	0.00	2305.38