

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

Operator: License # 5225
Name: Quinque Operating Company
Address P. O. Box 2738
Liberal, KS 67905-2738
City/State/Zip Liberal, KS 67905-2738

Purchaser: Aurora Natural Gas, L.L.C.
Operator Contact Person: Michael Moore

Phone (316) 624-2578

Contractor: Name: Beredco, Inc. **RELEASED**

License: 5147

Wellsite Geologist: Earth-Tech **SEP 25 1995**

Designate Type of Completion
XX New Well Re-Entry Workover

XX Oil SWD S10W Temp. Abd.
 Gas ENHR S16W
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry, old well info as follows:

Operator:

Well Name:

Comp. Date Old Total Depth

 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PSTD
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

8-31-95 9-13-95 9-28-95
Spud Date Date Reached TD Completion Date

API NO. 15- 119-209480000

County Meade

 - SW - SW Sec. 33 Twp. 34S Rge. 30 XX ^E_W

660 Feet from SW (circle one) Line of Section

660 Feet from E (circle one) Line of Section

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

Lease Name Jessie S. Well # 1

Field Name Adams Ranch

Producing Formation Morrow

Elevation: Ground 2495' KB 2505'

Total Depth 6500' PSTD 5826'

Amount of Surface Pipe Set and Cemented at 1519' Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 4523' Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1 9/8 12-13-96
(Date must be collected from the Reserve Pit)

Chloride content 2800 ppm Fluid volume 120 bbls

Dewatering method used Evaporation & Hauling

Location of fluid disposal if hauled offsite:

Operator Name Nichols Fluid Service

Lease Name Turner #2 SWD License No. 09537

 Quarter 1 Twp. 2N S Rng. 23 ECM^E_W

County Beaver Co., OK Docket No. 49652M

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 [Signature]

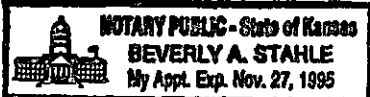
Title President Date 10-24-95

Subscribed and sworn to before me this 24 day of October
19 95

Notary Public Beverly A. Stahl
Beverly A. Stahl
Date Commission Expires 11-27-95

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

Distribution
 KCC SWD/Rep NSPA
 KGS Plug Other
(Specify)



CONFIDENTIAL

Operator Name Quinque Operating Company

Lease Name Jessie S. Well # 1

Sec. 33 Twp. 34S Rge. 30
 East
 West

County Meade

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 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:

- Dual Induction Log
- Micro Resistivity Log
- Comp. Density/Comp. Neutron Log
- Cement Bond Log

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Heebner Top	4242	-1735
Toronto	4280	-1773
Lansing	4411	-1904
Kansas City	4716	-2209
Marmaton	5139	-2632
Novingen	5206	-2699
Cherokee	5338	-2831
Morrow	5680	-3173
Chester	5794	-3287
St. Gen	6040	-3533
St. Louis	6156	-3649

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
Conductor	30"	20"		40'			
Surface	12-1/4"	8-5/8"	25#	1519'		550 saks lite 2% calc.	1/4# cell.
Production	7-7/8"	5-1/2"	15.5#	5862'		fall in w/150 sks 2% calc 180 saks prem. plus 10% EA II, 15% salt, 6/10 of 1% Halad 322 90 saks prem. plus 10% EAII, 15% salt, & .6% Halad 322	

ADDITIONAL CEMENTING/SQUEEZE RECORD

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

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	5734' - 5744' 5712' - 5714'	1000 gals. 7-1/2% MCA HCL w/20% methanol 70 ball sealers & 17 bbls treated water	

TUBING RECORD	Size <u>2-3/8"</u>	Set At <u>5650</u>	Packer At <u>5650'</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumed Production, SWD or Inj. 10-18-95 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		<u>1</u>		<u>900</u>		<u>0</u>	<u>900,000 to 1</u>	<u>60.98</u>

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

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

5712'-5744'

STATS A VIEWERS

CONFIDENTIAL

ORIGINAL

ALLIED CEMENTING CO., INC.

1663

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

SERVICE POINT: New City

DATE <u>8-31-95</u>	SEC <u>33</u>	TWP <u>34</u>	RANGE <u>30</u>	CALLED OUT <u>2:00 PM</u>	ON LOCATION <u>7:00 PM</u>	JOB START <u>12:45 AM</u>	JOB FINISH <u>2:00 AM</u>
LEASE <u>Adam</u>	WELL # <u>1-33</u>	LOCATION <u>Plains 155-1 1/2 S W mls</u>	COUNTY <u>Moore</u>	STATE <u>KS</u>			

OLD OR NEW (Circle one)

CONTRACTOR <u>Beredes</u>	OWNER <u>Quinque</u>
TYPE OF JOB <u>Long String Surface</u>	CEMENT
HOLE SIZE <u>12 1/4"</u>	T.D. <u>1522</u>
CASING SIZE <u>8 5/8" 25'</u>	DEPTH <u>1519</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>39.6'</u>
CEMENT LEFT IN CSG.	
PERFS.	

AMOUNT ORDERED 550 lbs 2% cc 4" F10
150 Common 322

EQUIPMENT		COMMON	@
PUMP TRUCK # <u>224</u>	CEMENTER <u>Mike</u>	POZMIX	@
	HELPER <u>Bob</u>	GEL	@
BULK TRUCK # <u>199</u>	DRIVER <u>Bill</u>	CHLORIDE	@
BULK TRUCK # <u>210</u>	DRIVER <u>Rick</u>		@

RELEASED SEP 25 1998

STANDLING MILEAGE

TOTAL

FROM CONFIDENTIAL

REMARKS:

Run 1519' 9 5/8" 25' casing. 1100 lbs
550 lbs 2% cc 4" F10. 150
150 Common 322. Run displaced with
94' BB1. 1/2 gal H2O. Cement did
circulate. Shut in well.

Thank you
Allied Cementing
Mike, Bob, Bill, Rick

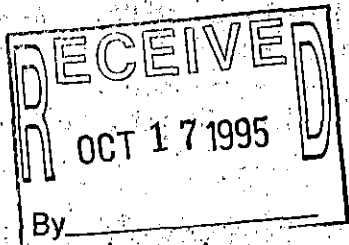
DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
PLUG <u>8 5/8" Rubber</u>	@
	@
	@
TOTAL	

CHARGE TO: Beredes

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT	
<u>1 - 8 5/8" Guide Shoe</u>	@
<u>1 - 8 5/8" Inspect</u>	@
<u>1 - 8 5/8" Centralizer</u>	@
<u>1 - Box. Thread lock</u>	@
TOTAL	



To Allied Cementing Co., Inc. By _____

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

SIGNATURE Charles A. Beredes

Date 8-31-95 District Nease Ticket No. 1663
 Company Quingua Borealis Rig Borealis 4#
 Lease Adams Well No. 1-33
 County Moore State KS
 Location Plans 155-13 SW Field _____

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 1/2 Type _____ Weight 25# Collar _____

Casing Depths: Top _____ Bottom 1319

Drill Pipe: Size 4 1/2 Weight 1660 Collars _____
 Open Hole: Size 12 1/4 T.D. 1522 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbbls/Lin. ft. 0.06339 Lin. ft./Bbl. 15.78
 Open Holes: Bbbls/Lin. ft. 0.1458 Lin. ft./Bbl. 6.8599
 Drill Pipe: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbls/Lin. ft. 0.0735 Lin. ft./Bbl. 13.6637
 Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE Charles H. Johnson

CEMENT DATA:
 Spacer Type: _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type _____
Use 270cc type # F10 Excess _____
 Amt. 550 Skys Yield 1.97 ft³/sk Density 12.4 PPG _____

TAIL: Pump Time _____ hrs. Type _____
Common 302 Excess _____
 Amt. 150 Skys Yield 1.34 ft³/sk Density 15.2 PPG _____

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbbls.

Pump Trucks Used 224 - Bob Norton
 Bulk Equip. 199 - Bill White
260 - Rick

Float Equip: Manufacturer _____
 Shoe: Type Cement Depth _____
 Float: Type AFU Depth _____
 Centralizers: Quantity 1 Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type H₂O Amt. 94 Bbbls. Weight 835 PPG _____
 Mud Type Chemical Weight 9.6 PPG _____

CEMENTER Michael Mann

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbbls Min.	
7:00						Arrived on location - Hotel Safford Meeting
12:45 AM	150		14383			Set up
1:30 AM	150		23781			Cement Slurry like
1:40 AM	150		9478			Cement Slurry Common
2:00 AM	600					H ₂ O Displacement
						Plug down - Cement did Circulate
						Shut did Hold
						RELEASED
						SEP 25 1995
						FROM CONFIDENTIAL
						RECEIVED STATE CORPORATION COMMISSION
						OCT 25 1995
						RECEIVED OCT 17 1995
						By _____

JOB LOG Form 2013-C

CUSTOMER **Quinque Oil Co.** WELL NO. **1-33** LEASE **Adams** JOB TYPE **5 1/2 Prod. String** TICKET NO. **881179**

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1600							Time Collected
	1630							Time Ready
	1715							Time on Loc.
	1745	1800						Start Pump Casing
	1830							Hookup & Circ. Casing / Pump
	1831							Casing in Hole
	1837							Hookup To Circulate Casing
	1839							Circulate Casing w/ Pump
	1920							Circulate Mud To Casing Level
	1924	5	5			400		Hookup To Pump Truck
	1925		10			400		Start 2% KCL Ahead
	1927		5			400		Start Super Flush
	1928	5.3						Start 2% KCL Behind
	1939		47.76			250		Start Mud Cement
	1940					350		Finish Mud Cement
	1941							Plug Down
	1945	6.5				75		wash Pump's plines
		5.5	38.75					Start Displacement w 2% KCL
	2010					705		120 RBL AT 4 BPM AT 130 130 2 BPM
								Plug Down
								Float Held
								Circulate Fluid Thru out logs
								RELEASED
								SEP 25 1998
								FROM CONFIDENTIAL
								Thanks For Coling
								Halliburton
								Energy
	1.40	Job						Dennis G... Crew
	2.55	Loc.						

WELL DATA

FIELD _____ SEC _____ TWP _____ RNG _____ COUNTY Meade STATE Ks

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		155	5 1/2	KR	5862	
LINER						
TUBING						
OPEN HOLE					5859	SHOTS/FT
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

CONFIDENTIAL

ORIGINAL

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>Invent Float</u>	1	<u>Howo</u>
FLOAT SHOE <u>Filip</u>	1	
GUIDE SHOE <u>B</u>	1	
CENTRALIZERS	12	
BOTTOM PLUG		
TOP PLUG	1	
HEAD	1	
PACKER		
OTHER <u>Howo weld A</u>	1/2	

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-13</u>	DATE <u>9-13</u>	DATE <u>9-13</u>	DATE <u>9-13</u>
TIME <u>1200</u>	TIME <u>1715</u>	TIME <u>1840</u>	TIME <u>2810</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Deper</u>	<u>420041</u>	<u>Liberal KS</u>
<u>H. Toddler</u>	<u>52938 A</u>	<u>"</u>
<u>G. Krusten</u>	<u>4673 / 7620</u>	<u>Howo KS</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API

DISPL. FLUID _____ DENSITY _____ LB/GAL. API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ %

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

STATE RECEIVED
CONFIDENTIAL
OCT 25 1995

DEPARTMENT: Cement

DESCRIPTION OF JOB: 5 1/2 Prod. String

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE: Roger Pearson

HALLIBURTON OPERATOR: Donnie Carr

COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>180</u>	<u>Prem Plus</u>	<u>C</u>		<u>10% FA2 15% Soli 6% Holo 322</u>	<u>1.49</u>	<u>15.1</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET 32 REASON Shoe bit

SUMMARY

PRESLUSH: BBL. 10 VOLUMES Spec. Prod 5 BBL KCL Needs 7 Bbl Kcl

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 138 750

CEMENT SLURRY: BBL.-GAL. 47.76 2% KCl

TOTAL VOLUME: BBL.-GAL. _____

REMARKS

CUSTOMER: Adams

LEASE: Adams

WELL NO.: 1-33

JOB TYPE: 5 1/2 Prod String

DATE: 9-13-95

JOB LOG HAL-2013-C

DATE 9-19-95 PAGE NO.

 CUSTOMER *Unique Oper* WELL NO. *1-33* LEASE *Adams* JOB TYPE *Port Collar* TICKET NO. *881183*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0400							<i>Time Collected</i>
	0830							<i>Time Ready</i>
	0700							<i>Time on Loc.</i>
								<i>Setup Pump Truck</i>
	0940							<i>Hook up to Tub. open Port Collar</i>
	0948	3						<i>Start Mud Blend of Cement</i>
	1010	1	65					<i>Start Water Stroke</i>
	1012	3.1	5					<i>Start Mix Cement</i>
	1019	/	25.3					<i>Finish Mix Cement</i>
	1020	/						<i>Start Displacement</i>
	1025		17					<i>Shut Down</i>
	1026							<i>Close Port Collar + Press Test 1000 PSI</i>
	1028							<i>Break hose</i>
	/							<i>Run Run 2 down in hole</i>
	1030							<i>Hook up to BS To Reverse out</i>
	1032	3						<i>Start Pumping</i>
	1042	1	30					<i>Shut Down Break hose</i>
	1045							<i>wash up Pump Truck.</i>
								<i>Finish work</i>
								<i>Thanks For Calling Halliburton Energy</i>
								<i>Oliver + Crew</i>

RELEASED

SEP 25 1998

FROM CONFIDENTIAL

 RECEIVED
STATE CORPORATION COMMISSION

OCT 25 1995

 RECEIVED
STATE CORPORATION COMMISSION
WICHITA, KANSAS

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE Port Collar SET AT 4520
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC DATA _____ TOTAL DEPTH _____

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		15 ^s	5 1/2	GL	-	
LINER						
TUBING			2 3/8	KB	4520	
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>9-19</u>	DATE <u>9-19</u>	DATE <u>9-19</u>	DATE <u>9-19</u>
TIME <u>0400</u>	TIME <u>0700</u>	TIME <u>0940</u>	TIME <u>1045</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

CONFIDENTIAL

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Yorke</u>	<u>420041</u>	<u>L132041</u>
<u>H. Tucker</u>	<u>59179</u>	<u>"</u>
<u>D. G. Young</u>	<u>56623</u>	<u>"</u>
	<u>4461</u>	<u>Hugoton</u>
	<u>75505</u>	<u>"</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. °API _____
 DISPL. FLUID _____ DENSITY _____ LB/GAL. °API _____
 PROP. TYPE _____ SIZE _____ LB. _____
 PROP. TYPE _____ SIZE _____ LB. _____
 ACID TYPE _____ GAL. _____ % _____
 ACID TYPE _____ GAL. _____ % _____
 ACID TYPE _____ GAL. _____ % _____
 SURFACTANT TYPE _____ GAL. _____ IN _____
 NE AGENT TYPE _____ GAL. _____ IN _____
 FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____
 GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____
 FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____
 BREAKER TYPE _____ GAL.-LB. _____ IN _____
 BLOCKING AGENT TYPE _____ GAL.-LB. _____
 PERFPAC BALLS TYPE _____ QTY. _____
 OTHER _____
 OTHER _____

RELEASED
SEP 25 1996

FROM CONFIDENTIAL

DEPARTMENT Cement
 DESCRIPTION OF JOB Port Collar

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Roger Pearson

HALLIBURTON OPERATOR Dennis Love COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>90</u>	<u>Prom Plus</u>			<u>10% EA2 15% SALT 6% H. 322</u>	<u>1.5%</u>	<u>11.8</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____
 BREAKDOWN _____ MAXIMUM _____
 AVERAGE _____ FRACTURE GRADIENT _____
 SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN _____
 HYDRAULIC HORSEPOWER _____
 ORDERED _____ AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____

PRESLUSH: BBL.-GAL. _____ TYPE _____
 LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 17.0
 CEMENT SLURRY: BBL.-GAL. 25.3
 TOTAL VOLUME: BBL.-GAL. _____

REMARKS

RECEIVED
STATE CORPORATION COMMISSION
OCT 25 1995

CUSTOMER _____

OWNER _____
 LEASE _____
 WELL NO. 1-23
 JOB TYPE 13-11
 DATE 9-19-95