

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

API NO. 15- 065-22,740-00-00
County GRAHAM
NE NW SW Sec. 19 Twp. 6S Rge. 23 X

ORIGINAL

CONFIDENTIAL

Operator: License # 9482

Name: NATIONAL PETROLEUM RESERVES

Address 250 N. ROCK RD., STE 340

City/State/Zip WICHITA, KS 67206

Purchaser: _____

Operator Contact Person: TED C. BRADEHOFT

Phone (316) 681-3515

Contractor: Name: ABERCROMBIE RTD, INC

License: 30684

Wellsite Geologist: CRAIG CAULK

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOW Temp. Abd.
 Gas EXHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

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

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. PBTD
 Plug Back Docket No. _____
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (3WD or Inj?) Docket No. _____

6-4-94 6-9-94 FROM CONFIDENTIAL
Spud Date Date Reached TD Completion Date

2310' Feet from S/N (circle one) Line of Section

865' 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 MIDDLETON Well # 1

Field Name WILDCAT

Producing Formation _____

Elevation: Ground 2380' KS 2385'

Total Depth 3900' PSTD _____

Amount of Surface Pipe Set and Cemented at 246.93' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan D&A JG 11-9-94
(Data must be collected from the Reserve Pit)

Chloride content 700 ppm Fluid volume 1340 bbls

Deviating method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name N/A

Lease Name _____

Quarter _____ Sec. _____ Twp. _____

County _____ Docket No. _____

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. **STATE CORPORATION COMMISSION CEMENTING TICKETS MUST BE ATTACHED.** 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 6/24/94

Subscribed and sworn to before me this 24th day of June, 19 94.

Notary Public [Signature]

Date Commission Expires 6-30-95

T. C. BREDEHOFT, II
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6/30/95

RECEIVED
STATE CORPORATION COMMISSION
JUN 27 1994
6-27-94
CONSERVATION DIVISION
Wichita, Kansas
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)

Operator Name NATIONAL PETROLEUM RESERVES Lease Name MIDDLETON Well # 1
 Sec. 19 Twp. 6S Rge. 23 East County GRAHAM West

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: RADIATION GUARD LOG

Name	Formation (Top), Depth and Datum		Sample
	Top	Datum	
Anhydrite	2079	+306	
Base Anhydrite	2112	+273	
Topeka LMS	3410	-1025	
Heebner Shale	3613	-1228	
Toronto LMS	3638	-1253	
Lansing LMS	3654	-1269	
200 ft zone (K)	3820	-1435	
BKC Shale	3844	-1459	
RTD	3898	-1513	

CASING RECORD New Used

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

Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE		8 5/8"	20#	246.93'	60-40posmix	250	2% gel 3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

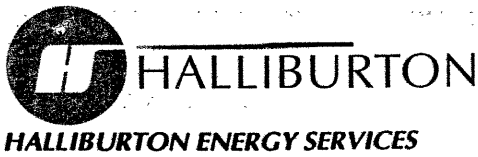
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

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

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____ Production Interval _____



CHARGE TO: National Petroleum Reserves Inc
 ADDRESS: 2500 Rock Road, #340
 CITY, STATE, ZIP CODE: Wichita Ks. 67206

COPY

TICKET

No. 663074 - 5

PAGE 1 OF 1

FORM 1906 R-13

SERVICE LOCATIONS <u>1 Oberlin Ks</u>	WELL/PROJECT NO. <u>41</u>	LEASE <u>Middletown</u>	COUNTY/PARISH <u>Graham</u>	STATE <u>Ks</u>	CITY/OFFSHORE LOCATION	DATE <u>6-4-94</u>	OWNER <u>NPR Inc</u>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <u>Aberronable Only</u>	RIG NAME/NO. <u>8</u>	SHIPPED VIA <u>Well Site</u>	DELIVERED TO	ORDER NO.
3.	WELL TYPE <u>01</u>	WELL CATEGORY <u>2301</u>	JOB PURPOSE <u>010</u>	WELL PERMIT NO.	WELL LOCATION <u>19-65-23w</u>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>000-117</u>		<u>1</u>		<u>26</u>	<u>MILEAGE 3580 - Roundtrip</u>	<u>96</u>	<u>mi</u>			<u>2.75</u>	<u>264.00</u>
<u>201-016</u>		<u>1</u>		<u>26</u>	<u>Pump Charge</u>	<u>247</u>	<u>ft</u>	<u>6</u>	<u>hr</u>	<u>585.00</u>	<u>585.00</u>
<u>030503</u>		<u>1</u>		<u>26</u>	<u>CP-1 Top Plug</u>	<u>1</u>	<u>ps</u>	<u>9500</u>	<u>in</u>	<u>9500</u>	<u>9500</u>

CONFIDENTIAL ORIGINAL

NOV JUN 27 CONFIDENTIAL

RECEIVED STATE CORPORATION COMMISSION NOV 09 1994 CONSERVATION DIVISION

RELEASED JUL 26 1995 FROM CONFIDENTIAL

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

CUSTOMER OR CUSTOMER'S AGENT SIGNATURE: X [Signature]

DATE SIGNED: 6-4-94 TIME SIGNED: 1830 hrs

do do not require IPC (Instrument Protection). Not offered

SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		SURVEY		AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					<u>944.00</u>
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					FROM CONTINUATION PAGE(S)
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					<u>2033.65</u>
TUBING SIZE	TUBING PRESSURE	WELL DEPTH	WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				
TREE CONNECTION	TYPE VALVE	ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO					
		<input checked="" type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): [Signature] CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): X [Signature] HALLIBURTON OPERATOR/ENGINEER: [Signature] EMP #: _____ HALLIBURTON APPROVAL: [Signature]



HALLIBURTON

TICKET CONTINUATION

DUNCAN COPY

TICKET No. 663024-5

HALLIBURTON ENERGY SERVICES

CUSTOMER National Pot. Reserves, Inc

WELL Middleton #1

DATE 6-4-94

PAGE 2 OF 2

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
504-136	ORIGINAL	1		26	40/60 P2 Mix	165	skt			7.31	1211.10
506-121		1		26	Halliburton Gel Allowed - 29%	276	lb			N/C	N/C
509-406		1		26	Calcium Chloride - 3%	5	skt			36.75	183.75
507-210		1		26	Flocele	41	lbs			1.65	67.65
CONFIDENTIAL											
					N/C JUN 27 CONFIDENTIAL						
										RELEASED JUL 26 1995 FROM CONFIDENTIAL	
500-207		1		26	SERVICE CHARGE					1.35	240.30
500-306		1		26	MILEAGE CHARGE					.95	330.85
					TOTAL WEIGHT	14,511					
					LOADED MILES	48					
					CUBIC FEET	178					
					TON MILES	348.26					

No. B 232977

CONTINUATION TOTAL

2033.65



HALLIBURTON

ORIGINAL

DATE 6-4-94 PAGE N 1

JOB LOG HAL-2013-C

CUSTOMER National Pet. Reserves Inc WELL NO. #1 LEASE Middleton JOB TYPE Cement 8 5/8" Surf Csgs TICKET NO. 663074-5

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1845							On hoc, Rig Crew Drllg 12 1/4" Hole
	1900							Finish Hole - Circ.
	1935							Start out with Drll Pipe
	2000							Drill Pipe out - Rig up + run 8 5/8" Csg
	2035							Cang on bottom - Rig up Plug Cor
	2043							Break Circ - Rig Pump
	2053							Finish Circ - Hook up to Truck
	2055	4					150	Start H2O Ahead
	2057	"	5-H2O				"	Start 165 sts 40/60 Bz. 280 G 390 CC, 14 lb Flocele
	2107	-	39-Cmt				-	Finish Cmt - Shut Down
	2109	4					-	Release Plug - Start Displ.
	2113	-	15-H2O				125	Plug Down - Close Manifold
								" Cret Circ - 3 Bbl in cellar"
								Job Complete
								" Thank You"
								Scott, Kent + John
								nuc
								JUN 27
								CONFIDENTIAL
								RELEASED
								JUL 26 1995
								FROM CONFIDENTIAL

FIELD OFFICE

WELL DATA

FIELD NW Hill City KS SEC. 19 TWP. 6 RING. 23 COUNTY Graham STATE KS

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 _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH 3900

CONFIDENTIAL

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			<u>8 5/8</u>	<u>KB</u>	<u>246</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>246</u>	<u>3900</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>CP-1 8 5/8"</u>	<u>1EA</u>	<u>Howco</u>
HEAD		
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-9-94</u>	DATE <u>6-9-94</u>	DATE <u>6-9-94</u>	DATE <u>6-9-94</u>
TIME <u>0715</u>	TIME <u>1030</u>	TIME <u>1630</u>	TIME <u>1510</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Moore</u>	<u>38402</u>	
<u>B4685</u>	<u>P.U.</u>	<u>Oberlin KS</u>
<u>K. Legg</u>	<u>3580</u>	
<u>23140</u>	<u>HT-400 RCM</u>	<u>Oberlin KS</u>
<u>E. Reynolds</u>	<u>4718-8434</u>	
<u>47558</u>	<u>Bulk Trk</u>	<u>Oberlin 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. _____ 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 _____ QTY. _____
PERFPAC BALLS TYPE _____
OTHER _____
OTHER _____

DEPARTMENT Cmt.
DESCRIPTION OF JOB PTAW 25sks @ 2100', 100sks @ 1230', 40sks @ 300', 10sks @ 40' + 15sks @ Rat Hole

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

CUSTOMER REPRESENTATIVE X [Signature]
HALLIBURTON OPERATOR Jack Moore COPIES REQUESTED _____

CONFIDENTIAL

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>190</u>	<u>60/40 Poz</u>			<u>6% Gel, 3% CC, 1/4 # Flocc</u>	<u>1.67</u>	<u>12.88</u>
RELEASED							
<u>JUL 26 1995</u>							

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESFLUSH: BBL.-GAL. _____ TYPE _____
BREAKDOWN _____ MAXIMUM _____ LOAD & BRD: BBL.-GAL. _____ PAD: BBL.-GAL. _____
AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
SHUT-IN: INSTANT _____ 5-MIN _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. _____
HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
ORDERED _____ AVAILABLE _____ USED _____
AVERAGE RATES IN BPM _____
TREATING _____ DISPL. _____ OVERALL _____
CEMENT LEFT IN PIPE _____
FEET _____ REASON _____

REMARKS
See Job Log + Chart



CUSTOMER National Pet. Res WELL NO. 1 LEASE Middleton JOB TYPE PTA TICKET NO. 663105

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0715							Called out - Ready @ 1045
	1030							On location - Rig running plugging stands
	1100							Rig Circulate @ 2100'
	1133							Hook up to Howco
	1137	4						Start 10 bbl water ahead
	1141	4	10 wtr					Finish wtr - Start 25 sks cement
	1144	4	7.4 cmt					Finish cement - Start 3 1/2 wtr
	1145	4	3 1/2 wtr					Finish wtr - Start mud disp.
	1149	6	2 1/2 mud					Finish w/ plug @ 2100'
	1224							Rig pull Pipe to 1230' - Fill Hole
	1226							Hook up to Howco
	1228	5	10 wtr					Start 10 bbl water
	1235	5	29 3/4 cmt					Finish wtr - Start 100 sks Cement
	1236	4	3 wtr					Finish Cement - Start 3 1/2 bbl wtr
	1237	6	6 mud					Finish wtr - Start mud disp.
								Finish w/ plug @ 1230'
								Rig pull 20 Jts - Check to see that hole isn't taking any fluid
								Rig pull Pipe to 300'
	1330							Hook up to drill pipe
	1332							Start 4 bbl water ahead
	1334		4 wtr					Finish water - start 40 sks cement
	1337		11.9 cmt					Finish cement - Start water disp
	1338		1 wtr					Finish w/ plug @ 300'
								Rig pull rest of drill pipe
	1425							PUSH 8 5/8" Top Plug down 40' w/ Kelly
	1437		3 cmt					Plug 40' w/ 10 sks
	1441		4 1/2 cmt					Plug Rat Hole w/ 15 sks
	1445							Wash up truck
	1500							Rack up
	1516							Job Complete

NCC JUN 27

CONFIDENTIAL

RELEASED

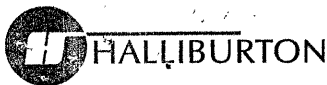
JUL 26 1995

FROM CONFIDENTIAL

RECEIVED STATE CORPORATION COMMISSION

JUN 27 1994

CONSERVATION DIVISION Wichita, Kansas



JOB SUMMARY

HALLIBURTON DIVISION MidCont
HALLIBURTON LOCATION Oberlin KS

ORIGINAL

BILLED ON TICKET NO. 663125

WELL DATA

FIELD NW Hill City KS SEC. 19 TWP. 6 RNG. 23 COUNTY Graham STATE KS

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 _____
PACKER TYPE _____ SET AT _____
BOTTOM HOLE TEMP. _____ PRESSURE _____
MISC. DATA _____ TOTAL DEPTH 3900

CONFIDENTIAL

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING			<u>8 5/8</u>	<u>KB</u>	<u>246</u>	
LINER						
TUBING						
OPEN HOLE			<u>7 7/8</u>	<u>246</u>	<u>3900</u>	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

JOB DATA

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>CP-1 8 5/8"</u>	<u>1EA</u>	<u>Howco</u>
HEAD		
PACKER		
OTHER		

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-9-94</u>	DATE <u>6-9-94</u>	DATE <u>6-9-94</u>	DATE <u>6-9-94</u>
TIME <u>0715</u>	TIME <u>1030</u>	TIME <u>1630</u>	TIME <u>1510</u>

PERSONNEL AND SERVICE UNITS

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<u>B4685</u>	<u>P.U.</u>	<u>Oberlin KS</u>
<u>K. Legg</u>	<u>3580</u>	
<u>23140</u>	<u>HT-400 RCM</u>	<u>Oberlin KS</u>
<u>C. Reynolds</u>	<u>4718-8434</u>	
<u>47558</u>	<u>Bulk Tk</u>	<u>Oberlin 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. _____ 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 _____

DEPARTMENT Cmt.
 DESCRIPTION OF JOB PTAY 25sks @ 2100', 100sks @ 1230', 40sks @ 300', 10sks @ 40' + 15sks @ Rat Hole

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X [Signature]
 HALLIBURTON OPERATOR Jack Moore COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>190</u>	<u>60/40 Poz</u>	RELEASED		<u>6% Gel, 3% CC, 1/4 # Flocc, 1/4 # CC</u>	<u>1.67</u>	<u>12.88</u>
			<u>JUL 26 1995</u>				
					CONFIDENTIAL		

PRESSURES IN PSI

CIRCULATING _____
 BREAKDOWN _____
 AVERAGE _____
 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 _____

SUMMARY

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

REMARKS

See Job Log + Chart **JUN 27 1994**

CONSERVATION DIVISION
Wichita, Kansas



JOB LOG HAL-2013-C

CUSTOMER National Pet. Res WELL NO. 1 LEASE Middleton JOB TYPE PTA TICKET NO. 663105

Table with columns: CHART NO., TIME, RATE (BPM), VOLUME (BBL) (GAL), PUMPS (T, C), PRESSURE (PSI) (TUBING, CASING), DESCRIPTION OF OPERATION AND MATERIALS. Includes handwritten entries for operations like 'Called out - Ready @ 1045', 'Rig Circulate @ 2100'', and 'Job Complete'.

CONFIDENTIAL

RELEASED

JUL 26 1995

FROM CONFIDENTIAL

JUN 27

CONFIDENTIAL

RECEIVED STATE CORPORATION COMMISSION

JUN 27 1994

CONSERVATION DIVISION Wichita, Kansas