

ORIGINAL

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

CONFIDENTIAL

Operator: License # 9482
Name: National Petroleum Reserves, Inc.
Address 250 N. Rock Rd., Ste. 340
Wichita, KS. 67206
City/State/Zip _____

Purchaser: KOCH OIL COMPANY

Operator Contact Person: Ted C. Bredehoff

Phone (316) 681-3515

Contractor: Name: ABERCROMBIE RTD

License: _____

Wellsite Geologist: CRAIG CAULK

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, 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 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

6/14/94 6/20/94 7/5/94
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22738-00-00

County Graham

70 S/C

NW/2- NE- NW- Sec. 36 Twp. 8S Rge. 24W XX E

730 Feet from S (circle one) Line of Section

1650 Feet from E (circle one) Line of Section

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

Lease Name GATES Well # 1

Field Name SUNRISE

Producing Formation LKC 90' & 140' zones

Elevation: Ground 2385 KB 2390

Total Depth 3986 ^{KCC} 2AP PBDT 3986 3980

Amount of Surface Pipe Set and Cemented at 211 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2060 ^{KCC} JH Feet

If Alternate II completion, cement circulated from 2072

feet depth to surface w/ 450 sx cmt.

Drilling Fluid Management Plan ALT 2 JH 11-21-94
(Data must be collected from the Reserve Pit)

Chloride content 2,100 ppm Fluid volume 100 bbls

Dewatering method used dehydration

Location of fluid disposal if hauled offsite: _____

Operator Name 8-18-95

Lease Name RELEASED License No. KCC

Quarter 1 Section 8 Twp. JUL 1995 E/W

County _____ Docket No. _____

FROM CONFIDENTIAL

CONFIDENTIAL

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 Ted C. Bredehoff
Title President Date 7/18/94

Subscribed and sworn to before me this 18 day of July
19 94

SUSAN E. BREDEHOFF
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 5-17-97

Susan E. Bredehoff
5-17-97

720-94
K.C.C. OFFICE USE ONLY RECEIVED
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
JUL 20 1994
Distribution
 KCC SWD/REP
 KGS Plug
Wichita, Kansas
(Specify)

ORIGINAL

SIDE TWO

Operator Name NATIONAL PETROLEUM RESERVES, INC. Lease Name GATES Well # 1

Sec. 36 Twp. 8S Rge. 24
[] East
[X] West

County Graham

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 [X] Yes [] No (Attach Additional Sheets.)

Samples Sent to Geological Survey [] Yes [X] No

Cores Taken [] Yes [X] No

Electric Log Run [X] Yes [] No (Submit Copy.)

List All E.Logs Run: Radiation Guard Sonic Cement Bond

[X] Log Formation (Top), Depth and Datums [] Sample

Table with 3 columns: Name, Top, Datum. Rows include Anhydrite, Lansing, 90' zone, 140' zone, Base/KC.

CASING RECORD [] New [X] Used Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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.

ADDITIONAL CEMENTING/SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives

PERFORATION RECORD Table with 3 columns: Shots Per Foot, 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 2 3/8" Set At 3868 Packer At - Liner Run [] Yes [X] No

Date of First, Resumed Production, SWD or Inj. 7/5/94 Producing Method [] Flowing [X] Pumping [] Gas Lift [] Other (Explain)

Table with 9 columns: Estimated Production Per 24 Hours, Oil Bbls., Gas Mcf, Water Bbls., Gravity.

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

METHOD OF COMPLETION [] Open Hole [X] Perf. [] Dually Comp. [] Other (Specify)

Production Interval 3840.5-3842.5 3786-3789

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- 6/17/94 DST #1 (3736-3754); Lansing 35 ft zone; 30-30-45-60; 1st open-built to 8½ inch blow; 2nd open-built to 8½ inch blow; recovery: 50 ft clean oil, 110 ft slightly oil cut muddy water, 180 ft very slight muddy water with trace oil; IFP 44-100; FFP 133-200; ISIP-888; FSIP-899; BHT 112°; drilling at 3,754 ft.
- 6/18/94 DST #2 (3755-3774); Lansing 50 ft zone; 10-10-10-10; 1st open-weak surface blow; 2nd open-no blow; recovery: 10 ft oil speck mud; with good show free oil on top; IFP 66-66; FFP 66-66; ISIP-89; FSIP-78; BHT 111°; drilling at 3,774 ft.
- DST #3 (3766-3792); Lansing 70-90 ft zone; 30-30-45-60; 1st open-weak blow built to bottom of bucket 29 minutes; 2nd open-weak blow built to bottom of bucket 32 minutes; recovery: 360 ft gas-in-pipe, 90 ft clean gassy oil, 90 ft heavy oil cut mud, 60 ft oil & gas cut muddy water; IFP 44-66; FFP 89-133; ISIP-899; FSIP-921; BHT 102°; drilling at 3,792 ft.
- 6/19/94 DST #4 (3824-3858); Lansing 140 ft zone; 30-30-30-45; 1st open-weak blow built to 4 inches; 2nd open-weak blow built to ¾ inches decreased to surface blow; recovery: 60 ft gas-in-pipe, 35 ft muddy oil (60% oil, 40% mud), 45 ft oil cut watery mud; IFP 55-66; FFP 66-66; ISIP-1351; FSIP-1384; BHT 104°; drilling at 3,858 ft.
- DST #5 (3857-3896); Lansing 160 ft zone; 15-15-15-15; 1st open-weak surface blow, died in 5 minutes; 2nd open-no blow; recovery: 15 ft slightly oil speck mud; IFP 55-55; FFP 55-55; ISIP-322; FSIP-89; BHT 107°; drilling at 3,896 ft.
- DST #6 (3888-3944); Lansing 200 ft zone; 30-30-30-30; 1st open-weak surface blow died 25 minutes; 2nd open-intermediate blow thru-out 30 minutes; recovery: 20 ft mud with few specks oil, good show oil between tools; IFP 55-55; FFP 66-66; ISIP-1141; FSIP-1031; BHT 109°; drilling at 3,944 ft.

RELEASED

AUG 1 8 1995

FROM CONFIDENTIAL

KCC

JUL 19

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STATE CORPORATION COMMISSION

JUL 20 1994

CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

INVOICE

7/22/94



HALLIBURTON ORIGINAL

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

INVOICE NO.	DATE
663180	06/13/1

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
GATES 1		GRAHAM		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
OBERLIN		ABERCROMBIE RIG #8	CEMENT SURFACE CASING		06/13/1
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE #
623541	ANTHONY MARTIN			COMPANY TRUCK	71

DIRECT CORRESPONDENCE TO:

NATIONAL PETROLEUM RESERVES
250 N. ROCK RD.
SUITE 340
WICHITA, KS 67206

CONFIDENTIAL

OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2000
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	120	MI	2.75	330.00
		1	UNT		
001-016	CEMENTING CASING	219	FT	585.00	585.00
		1	UNT		
030-503	TOP PLUG	8	5/8 IN	95.00	95.00
		1	EA		
504-136	CEMENT - 40/60 POZMIX STANDARD	135	SK	7.34	990.90
506-121	HALLIBURTON-GEL 2%	2	LB	.00	N/C
509-406	ANHYDROUS CALCIUM CHLORIDE	4	SK	36.75	147.00
507-210	FLOCELE	34	LB	1.65	56.10
500-207	BULK SERVICE CHARGE	150	CFT	1.35	202.50
500-306	MILEAGE CMTG MAT DEL OR RETURN	356.7	TMI	.95	338.87

INVOICE SUBTOTAL	RELEASED	2,745.30
DISCOUNT-(BID)	AUG 1 8 1995	713.70
INVOICE BID AMOUNT		2,031.50
*-KANSAS STATE SALES TAX	FROM CONFIDENTIAL	62.90
*-DECATUR COUNTY SALES TAX		12.80

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STATE CORPORATION COMMISSION

JUL 20 1994

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

CONSERVATION DIVISION
Wichita, Kansas

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.



CHARGE TO: National Petroleum Reserves, Inc.
 ADDRESS: 250 N. Rock Road, # 340
 CITY, STATE, ZIP CODE: Wichita, Kansas 67206

COPIES: 1
 No. 68994
 RECEIVED: JUL 2 1994
 DIVISION: 1380 - 1

FORM 1908 R-13

SERVICE LOCATIONS 1. <i>Obispo, KS</i>	WELL/PROJECT NO. #1	LEASE <i>Coates</i>	COUNTY/PARISH <i>Geosham</i>	STATE <i>KS</i>	CITY/OFFSHORE LOCATION	DATE <i>6-13-94</i>	OWNER <i>Nat. Pet. Reserves, Inc.</i>
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>Sherrill-Davis</i>	RIG NAME/NO. #8	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>Well 154</i>	ORDER NO.
3.	WELL TYPE <i>CV</i>	WELL CATEGORY <i>01</i>	JOB PURPOSE <i>010</i>	WELL PERMIT NO.	WELL LOCATION <i>36-55-24W</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
000-117		1		26	MILEAGE (Round Trip)	124			2.75	330.00
001-016		1		26	Pump Charge	219	Ft	0	585.00	585.00
030-503		1		26	Top Drive	1		85	95.00	95.00
CONFIDENTIAL ORIGINAL CONFIDENTIAL										
RELEASED AUGUST 8 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: *6-13-94* TIME SIGNED: *1750*

A.M. P.M.

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

SUB SURFACE SAFETY VALVE WAS:
 PULLED & RETURN PULLED RUN

TYPE LOCK: _____ DEPTH: _____

BEAN SIZE: _____ SPACERS: _____

TYPE OF EQUALIZING SUB.: _____ CASING PRESSURE: _____

TUBING SIZE: _____ TUBING PRESSURE: _____ WELL DEPTH: _____

TREE CONNECTION: _____ TYPE VALVE: _____

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? AGREE UNDECIDED DISAGREE

WE UNDERSTOOD AND MET YOUR NEEDS? AGREE UNDECIDED DISAGREE

OUR SERVICE WAS PERFORMED WITHOUT DELAY? AGREE UNDECIDED DISAGREE

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? AGREE UNDECIDED DISAGREE

ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	1010.00
FROM CONTINUATION PAGE(S)	1735.37
	1784.37
SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE	2745.11
	2794.37

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 #: *47558* HALLIBURTON APPROVAL: *[Signature]*

FORMATION NAME	FORMATION THICKNESS	INITIAL PROD. OIL	BFPD WATER	BFPD GAS	MCFD	PRESENT PROD. OIL	BFPD WATER	BFPD GAS	MCFD	COMPLETION DATE	MUD TYPE	MUD WT	PACKER TYPE	ISSET AT	BOTTOM HOLE TEMP	PRESSURE	MISC. DATA	TOTAL DEPTH	224'	JOB DATA	ORIGINAL
----------------	---------------------	-------------------	------------	----------	------	-------------------	------------	----------	------	-----------------	----------	--------	-------------	----------	------------------	----------	------------	-------------	------	----------	----------

TOOLS AND ACCESSORIES	TYPE AND SIZE	QTY	MAKE	DATE	TIME	ON LOCATION	DATE	TIME	JOB STARTED	DATE	TIME	JOB COMPLETED	DATE	TIME	
DATE	6-13-94	TIME	1500	DATE	6-13-94	TIME	1740	DATE	6-13-94	TIME	2056	DATE	6-13-94	TIME	2145

PERSONNEL AND SERVICE UNITS	NAME	UNIT NO. & TYPE	LOCATION
	E. Reynolds	47558 Pickup	Oberlin, Ks
	J. Alstrom	66382 RMT-400 JERK 8m THIR	Oberlin, Ks

MATERIALS	TREAT. FLUID	DENSITY	LB/GAL - API
DISPL. FLUID	DENSITY	LB/GAL - API	
PROP. TYPE	SIZE	LB	
ACID TYPE	GAL		
NE AGENT TYPE	GAL		
FLUID LOSS ADD. TYPE	GAL-LB		
GELLING AGENT TYPE	GAL-LB		
FRIC. RED. AGENT TYPE	GAL-LB		
BREAKER TYPE	GAL-LB		
BLOCKING AGENT TYPE	GAL-LB		
PERFPAC BALLS TYPE			
OTHER			

DEPARTMENT: Cementing
 DESCRIPTION OF JOB: Cement 8 5/8" Surface Csg.

RELEASED AUG 18 1995

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE: X Cynthia M. Wood

HALLIBURTON OPERATOR: Eddy Reynolds

COPIES REQUESTED: _____

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK	MIXED LBS./GAL
	135	40160			2.9% Gel - 3.9% C.C. - 1/4" Floc	1.30	14.0

SUMMARY

CIRCULATING: _____ DISPLACEMENT: _____ PRESLUSH: BBL-GAL _____ TYPE _____

BREAKDOWN: _____ MAXIMUM: _____ LOAD & BKDN: BBL-GAL _____ PAD: BBL-GAL _____

AVERAGE: _____ FRACTURE GRADIENT: _____ TREATMENT: BBL-GAL _____ DISPL: BBL-GAL 13.3

SHUT-IN: INSTANT _____ 5-MIN _____ CEMENT SLURRY: BBL-GAL 31.3

HYDRAULIC HORSEPOWER: _____ TOTAL VOLUME: BBL-GAL _____

REMARKS: See Job Log

ORDERED: _____ AVAILABLE: _____ AVERAGE RATES IN BPM: _____

TREATING: _____ DISPL: _____ OVERALL: _____ CEMENT LEFT IN PIPE: _____

FEET: 15' REASON: Requested

STATE CORPORATION COMMISSION RECEIVED JUL 20 1994

CONSERVATION DIVISION
 Topeka, Kansas
 Thank you

in the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1500							Called out - Job ready @ 1800 hrs
	1740							W/loc - Reg @ 1800 - Setup - Rig dig @ 92'
	1910							Hole Cut to 224' - Rig Circulate
	1935							Rig Pull DP
	2005							Start 8 5/8" Csg.
	2056							Csg @ 219' - Hook up to Circ.
	2100							Rig Start Circulating
								Hook up to RT
	2110	4 1/2					100	Start mixing 135 sks. 40/60 20 Gel - 3 1/2 C.C. - 4 Flocels
	2118	4 1/2	31.3				75	Finish mixing Cement
								Release 8 5/8" CP-1 Top Plug
	2120	4:0	13.3				0	Start disp.
	2125	3:0					100	Plug down - Close in Csg - Amt'd'd Circulate
								Washup & Rack up RT
	2145							Job Completed.
								Thank you Eldon F. Jerry
								Continue bottom of Cellar

RELEASED

AUG 18 1995

FROM CONFIDENTIAL

JUL 19

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STATE CORPORATION COMMISSION

JUL 20 1994

CONSERVATION DIVISION
Wichita, Kansas

FIELD OFFICE

THIS AMOUNT

CONFIDENTIAL

WILD CAT SEC. 36 TWP. 8² RNG. 24⁴ COUNTY GATES STATE KS
 INFORMATION NAME TYPE
 INFORMATION 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.
 CHECKER TYPE D.U. Tool #46 JT SET AT 2060
 BOTTOM HOLE TEMP. PRESSURE
 LOG DATA TOTAL DEPTH 3980

WELL DATA

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	4		4 1/2	FB	3979	
LINER	4		8 5/8	KB	319	
TUBING						
OPEN HOLE			7 7/8	3979	3980	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

ORIGINAL

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
NEAT COLLAR		
NEAT SHOE INSERT 4 1/2	1 EA	NES
SHOE		
TRIALIZERS S-4 4 1/2	7 EA	
BOTTOM PLUG		
TOP PLUG Plug SET 4 1/2	1 EA	
HEAD Plug 4 1/2	1 EA	
CHECKER D.U. Tool 4 1/2	1 EA	
OTHER CEMENT BSKT 4 1/2	2 EA	

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 6-20-94	DATE 6-20-94	DATE 6-20-94	DATE 6-20-94
TIME 0230	TIME 0700	TIME 1030	TIME 1457

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
K. Long 73140	3580-77503 PT. - Truman	OO-Clinton K.
J. MOORE B4685	4604-7613 TLT. - 660	OO-Clinton K.
J. KEENEY 63503	40070 P.U.	OO-Berlin K.

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MATERIALS
 HEAT FLUID DENSITY LB/GAL. API
 OIL FLUID DENSITY LB/GAL. API
 MUD TYPE SIZE LB.
 MUD TYPE SIZE LB.
 MUD TYPE GAL. %
 MUD TYPE GAL. %
 MUD TYPE GAL. %
 DEFLECTANT TYPE GAL. IN
 AGENT TYPE GAL. IN
 AGENT TYPE GAL. LB. **RELEASED**
 AGENT TYPE GAL. LB. IN
 AGENT TYPE GAL. LB. **AUG 1 8 1995**
 AGENT TYPE GAL. LB. IN
 AGENT TYPE GAL. LB. **FROM CONFIDENTIAL**

DEPARTMENT UNIT - BULF. SALES
 DESCRIPTION OF JOB CEMENT D.U. TOOL
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X W J Link
 HALLIBURTON OPERATOR J. Keeney COPIES REQUESTED _____

CEMENT DATA

NUMBER OF SACKS	CEMENT	BRAND	ADDITIONS	YIELD CU. FT./SK.	MIXED LBS./GAL.
75	STANDARD	B	10% SALT, 5% SODA ASH, 5% H-327, 25% D.A.M.-1	1.35	15.5
450	HLC	B	1/4 LB FLOCCER	1.97	12.4

PRESSURES IN PSI
 DISPLACEMENT _____
 MAXIMUM _____
 FRACTURE GRADIENT _____
 5-MIN. _____
 15-MIN. _____
 HYDRAULIC HORSEPOWER _____
 AVAILABLE _____ USED _____
 AVERAGE RATES IN BPM _____
 DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 REASON shoe joint
 10.55

SUMMARY VOLUMES
 PRESFLUSH 8 BBL GAL. TYPE Supp. Flush
 LOAD & BKDN 90-20-250 GAL. PAD: BBL. GAL.
 TREATMENT: BBL. GAL. 30-33-33
 CEMENT SLURRY 18/158 BBL GAL. **RECEIVED**
 TOTAL VOLUME 300 BBL GAL. STATE CORPORATION COMMISSION
 REMARKS SEE Job Log
Thank you
 JUL 20 1994
 CONSERVATION DIVISION
 Wichita, Kansas

JOB LOG FORM 2013 R-3

 CUSTOMER: General Petroleum WELL NO.: #1 LEASE: GATES JOB TYPE: 2-Stage TICKET NO.: 663098

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0230							called out ORIGINAL
	0200							on loc.
								Rig Laying Down Op
								SET UP TRUCK
	0930							FIN Laying DOWN
								WALK OVER TO ROW 4 1/2
	1030							START 4 1/2 CIG W/ INJECT VALVE FL 21
								D.V. Baffle TOP 1ST JT
								RELEASED
								CONTRACTING D.V. SHOW IT H246345
								CONCRETE BASKETS ON #46
								D.V. TOP #46 @ 2060
	1230							FROM CONFIDENTIAL
								FIN CIG
								Hook up Plug Joint
	1240							START CIG
	1300							FIN CIG
								Hook To Pump Truck
	1302				1		200	START 20 BBL SPACER
	1306		20		1		200	FIN 20 BBL SPACER
	1307		3		1		200	H2O SPACER
	1308				1		200	ST 8 ST SUPER FLUSH
	1310		8		1		200	FIN SUPER FLUSH
	1311		3		1		200	3 BBL SPACER
	1312				1		200	START MIX 75 SK. #2
	1315		18		1		100	FIN #2
								WASH UP PUMP TRUCK
								RELEASE BOTTOM STAGE PUMP
	1320				1		100	START H2O D.P.
	1325		30		1		100	FIN H2O D.P. KCC
	1325				1		100	ST WIND D.P.
	1328		51		1		300	START LETTING OUT
					1		500	CIG PSI
	1330		63		1		1100	FIN D.P. HEAD
	1335							RELEASE - DROP D.V. OPER. A
	1400						1400	OPEN D.V.
	1406				1		1578	ST CIG W/ PUMP TRUCK
	1409		10		1		1500	FIN CIG

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 STATE CONSERVATION COMMISSION
 JUL 20 1994

JOB LOG FORM 2013 R-3

CUSTOMER: 14 Twp 41 Rpt 105 WELL NO: 151 LEASE: GATES JOB TYPE: 2-STANDARD TICKET NO: 663098

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1410				1		150	START MIX 450 SK. HLLC/4000
	1411		3		1		150	PUT 15 SK IN RPT 105
	1438		158		1		300	FIN CMT ORIGINAL
								RELEASE TOP PLUG
	1440				1		300	START DIA
			18		1		400	CMT CIRC TO SURFACE
					1		550	CMT PSI
	1445		33		1		1600	FIN DISP - CIRC 42 SK CMT
	1450						0	RELEASE - NEW
	1457				1		1600	PSI UPON DV - NEW
	1458				1		0	RELEASE - NEW
								Job Complete
								Thank you
								Julie - Kent & Jack
								CARL GOODLAND STATE PL
								FOR LOG AT
								Chart Malfunction
								RELEASED
								AUG 18 1995
								FROM CONFIDENTIAL
								RECEIVED
								STATE COMMISSION
								JUL 20 1994
								CONSERVATION DIVISION
								Wichita, Kansas