

ORIGINAL

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

Operator: License # 30915  
Name: Richfield Gas Storage System  
Address 4200 E. Skelly Drive - Suite 560  
Tulsa, OK 74135-3209  
City/State/Zip  
Purchaser: N/A  
Operator Contact Person: Mark Repasky  
Phone (918) 743-8060  
Contractor: Name: Beredco  
License: Unknown  
Wellsite Geologist: None  
Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SICW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)  
**GAS STORAGE**  
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. \_\_\_\_\_  
5/6/94 5/16/94 6/4/94  
Spud Date Date Reached TD Completion Date

APY NO. 15- 129-21273-0000  
County Morton  
SW - SE - SE - 1 Sec. 32S Twp. 42  E  
330 Feet from S (circle one) Line of Section  
1200 Feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE NW or SW (circle one)  
Lease Name Johns Well # 5-1  
Field Name Richfield West  
Storage  
Producing Formations Morrow "G" & Keyes Sand  
Elevation: Ground 3460 KB 3472  
Total Depth 5200 PSTD 5117  
Amount of Surface Pipe Set and Cemented at 1476 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 3101 Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sz cnt.

Drilling Fluid Management Plan ALT 1 8/11-9-94  
(Data must be collected from the Reserve Pit)  
Chloride content 5900 ppm Fluid volume 300 bbls  
Desulfaring method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
Operator Name \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter JUN 28 1994 Sec. 1 Twp. 32S Rng. 42 E/W  
County Morton  
WICHITA, KS

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: Robert J. Klein  
Title: VICE PRESIDENT CENTENNIAL STORAGE Date: 6/24/94  
MANAGING PARTNER  
Subscribed and sworn to before me this 24th day of June 1994.  
Notary Public: Kerena V Whorp  
Date Commission Expires: 2/18/98

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KSS  Plug  Other  
(Specify)

Operator Name RICHFIELD GAS STORAGE Lease Name Johns Well # 5-1  
 Sec. 1 Twp. 32S Rge. 42  East  West  
 County Morton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Morrow Shale	4678	-1206
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Morrow G 1 Sand	4944	-1472
List All E.Logs Run:		Morrow G-2 Sand	4990	-1518
Dual Induction Log		Morrow Keyes Sand	5072	-1600
Compensated Density - Neutron				
Cement Bond Log				

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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 1/2"	9 5/8"	36.0	1476	Lite + "C"	540	2% CaCl 128 lbs Flocele
Production	8 3/4"	7"	23.0	5176	Thixset + "C"	190	5% CaCl 59 lbs Flocele

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2500-3108	Lite + "C"	100 sx Lite 75 sx Class	"C" 2% CaCl, 1/4 #flocele

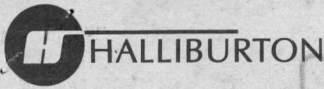
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
8	Morrow G-2 4958'-4966', 4972'-4976' 4984'-4988' 4994'-5001'	6000 gals 15% HCL w/25% N2	
8	Morrow Keyes 5023'-5044'	6000 gals 15% HCL w/25% N2	

TUBING RECORD	Size 3 1/2	Set At 5022	Packer At 5016	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Gas Storage Other (Explain)			
6/16/94				
Estimated Production Per 24 Hours	Inj Oil Bbls.	Gas Keyes G-2 Mcf 3377 3779	Water Bbls.	Gas-Oil Ratio

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval 4958'-5001'  
5023'-5044'



# JOB SUMMARY

HALLIBURTON DIVISION Mid-Continent  
 HALLIBURTON LOCATION L. Beal

BILLED ON TICKET NO. 677481

## WELL DATA

FIELD \_\_\_\_\_ SEC. 1 TWP. 32S RNG. 12W COUNTY Morton STATE 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 \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>2</u>	<u>23</u>	<u>7</u>	<u>0</u>	<u>5178</u>	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-16-94</u>	DATE <u>5-16-94</u>	DATE <u>5-17-94</u>	DATE <u>5-17-94</u>
TIME <u>20:00</u>	TIME <u>23:00</u>	TIME <u>10:20</u>	TIME <u>15:00</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>SSII 7</u>	<u>1</u>	<u>Hallib</u>
FLOAT SHOE <u>SSII 7</u>	<u>1</u>	<u>"</u>
GUIDE SHOE		
CENTRALIZERS <u>5-1 7</u>	<u>10</u>	<u>"</u>
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER <u>20 Tool</u>	<u>1</u>	<u>"</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>K. Boone</u>	<u>47841</u>	<u>L. Beal</u>
<u>J. Tate</u>	<u>40568</u>	<u>"</u>
<u>Dallas</u>	<u>C2728</u>	<u>Hugoton</u>
<u>D.</u>	<u>2607</u>	<u>"</u>
	<u>5831</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 \_\_\_\_\_

**RECEIVED**  
**KANSAS CORPORATION-COMMISSION**  
**JUN 28 1994**  
**CONSERVATION DIVISION**  
**WICHITA, KS**

DEPARTMENT Cement  
 DESCRIPTION OF JOB Cement 5178' of 7" casing  
 D U Tool @ 3105  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.   
 CUSTOMER REPRESENTATIVE X Roger Pearson  
 HALLIBURTON OPERATOR K Boone COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>50</u>	<u>H</u>		<u>1/2</u>	<u>18% salt</u>		<u>145</u>
	<u>180</u>	<u>Thx set</u>		<u>B</u>	<u>5% KCL</u>	<u>1.41</u>	<u>146</u>
<u>2</u>	<u>160</u>	<u>P+LC</u>		<u>B</u>	<u>2% CaCl<sub>2</sub> 1/4" Hards</u>	<u>2.07</u>	<u>122</u>
	<u>75</u>	<u>A+</u>		<u>B</u>	<u>1/4" Hards</u>	<u>1.32</u>	<u>148</u>

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. 20 TYPE mid-flush  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL.: BBL.-GAL. 201.7  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 35 - 59-17  
 HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 47 REASON time out

### REMARKS

CUSTOMER RCHLD Gas Storage  
 LEASE Johas  
 WELL NO. 5-1  
 JOB TYPE 7" LIS  
 DATE 5-16-94

**JOB LOG** FORM 2013 R-4

CUSTOMER Richfield Gas Storage	WELL NO. 5-1	LEASE Johns	JOB TYPE 7" LS	TICKET NO. 677481
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	03:00							on loc
								Safety Meeting
	10:25	5	12			250		Pump PUS spacer
	10:27	5	24			250		Pump mud flush
	10:32	5	5			250		Pump 1/2
	10:33	6	15			250		Pump scavenger cement
	10:36	6	35			250		Pump cement
	10:44							wash up to P1
	10:46							Drop plug
	10:47	6	80					Start Displacement
	11:02	6						Start mud
	11:37		133					shut down
	11:40							Pump
	11:48					1000		plug down
	11:48							ck stt OK
	11:50							Drop DU opening plug
	12:03		10			1100		open PU Tool
	12:08							Turn over to 1/2 Pump
	14:15	6	10			250		Pump 1/2
	14:16	6	59			250		Pump Lead cement
	14:26	6	17			250		Pump Tail cement
	14:30							wash up to P1
	14:32							Drop plug
	14:34							Start Displacement
	14:56	7	122					plug down
	14:56					1000		Close PU Tool
	14:57					1500		ck Tool OK

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KANSAS CORPORATION COMMISSION

JUN 28 1994

CONSERVATION DIVISION  
WICHITA, KS



# JOB SUMMARY

HALLIBURTON DIVISION Mid Cont.  
 HALLIBURTON LOCATION Liberal ks

BILLED ON TICKET NO. 677453

ORIGINAL

## WELL DATA

FIELD \_\_\_\_\_ SEC. 1 TWP. 32s RNG. 42 COUNTY Morton 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 Sand MUD WT. 8.7

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 1472

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	N	36	9 5/8	KB	1478	1500
LINER						
TUBING						
OPEN HOLE			12 1/4	GL	1472	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-8-94</u>	DATE <u>5-8-94</u>	DATE <u>5-8-94</u>	DATE <u>5-8-94</u>
TIME <u>04:30</u>	TIME <u>07:30</u>	TIME <u>12:06</u>	TIME <u>13:15</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>T Bohannon</u>	<u>40076 P.J.</u>	<u>Liberal ks</u>
<u>K Boone</u>	<u>52823 P</u>	<u>" "</u>
<u>J Adair</u>	<u>47841</u>	<u>" "</u>
<u>J Adair</u>	<u>4449</u>	<u>Hugobn ks</u>
<u>D Hamilton</u>	<u>63813</u>	<u>" "</u>
<u>D Hamilton</u>	<u>7649</u>	<u>" "</u>
<u>D Hamilton</u>	<u>4444</u>	<u>" "</u>
<u>D Hamilton</u>	<u>63070</u>	<u>" "</u>
<u>D Hamilton</u>	<u>5302</u>	<u>" "</u>

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR <u>1 1/2</u>	<u>1</u>	<u>Howco</u>
FLOAT SHOE <u>1 1/2</u>	<u>1</u>	<u>Howco</u>
GUIDE SHOE <u>1 1/2</u>	<u>1</u>	<u>Howco</u>
CENTRALIZERS <u>5-21</u>	<u>3</u>	<u>Howco</u>
BOTTOM PLUG		
TOP PLUG <u>5-11</u>	<u>1</u>	<u>Howco</u>
HEAD <u>1 1/2</u>	<u>1</u>	<u>Howco</u>
PACKER		
OTHER		

### 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. \_\_\_\_\_ IN

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

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 KANSAS CORPORATION COMMISSION  
 JUN 2 1994  
 CONSERVATION DIVISION  
 WICHITA, KS

DEPARTMENT 5001

DESCRIPTION OF JOB 010

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

CUSTOMER REPRESENTATIVE X Sheld Frank

HALLIBURTON OPERATOR T Bohannon COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>360</u>	<u>HLC P+</u>			<u>28cc, 1/4 Plocalc</u>		
<u>2</u>	<u>150</u>	<u>P+</u>			<u>28cc, 1/4 Plocalc</u>		

### PRESSURES IN PSI

### SUMMARY

### VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_ TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL: BBL.-GAL. 110.8

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. 1333 + 35.7

HYDRAULIC HORSEPOWER \_\_\_\_\_ TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_ REMARKS \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 414 REASON Shots 5+

CUSTOMER: Richard A. G. Starnes  
 LEASE: Johns  
 WELL NO.: 5-1  
 JOB TYPE: 010  
 DATE: 5-8-94

ORIGINAL

DATE 5-8-94 PAGE NO. 1

**JOB LOG** FORM 2013 R-4

CUSTOMER *Richfield Gas Storage* WELL NO. *5-1* LEASE *Johns* JOB TYPE *010* TICKET NO. *677453*

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	04:00							Call out
	07:30							on hoc Rig make Sor + Trip
	10:00							Start CSG in Hole TD CSG Hook-up Cir Hole w Rig Pump
	12:06	6						Start Job 360 SK HLC PL
		-	133.3					
	12:30	-						Tail 150 SK PL
		-	35.7					
	12:45	-						Stop Drop Plug
	12:46	5					300	Displ w H <sub>2</sub> O
		2						
	13:15	1/4					400	Plug Down
								CMT To P. + 5 bbls

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KANSAS CORPORATION COMMISSION

JUN 28 1994

CONSERVATION DIVISION  
WICHITA, KS

*Thank you Tim & crew*