

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

**ORIGINAL**

API NO: 15- 033-20947-0060  
County COMANCHE  
- C - NE - NW Sec. 4 Twp. 31 Rge. 18 X <sup>E</sup> <sub>W</sub>  
4620 Feet from (S)N (circle one) Line of Section  
3300 Feet from (E)N (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, (E) NW or SW (circle one)

Operator: License 8061  
Name: OIL PRODUCERS, INC. OF KANSAS  
Address P.O. BOX 8647

Lease Name UNRUH Well # 2  
Field Name ALFORD  
Producing Formation MISSISSIPPI

City/State/Zip WICHITA, KANSAS 67208

Elevation: Ground 2123 KB 2136

Purchaser: WICHITA INDUSTRIAL

Total Depth 5150' PBTD 5102'

Operator Contact Person: DIANA RICHECKY

Amount of Surface Pipe Set and Cemented at 643

Phone ( 316 ) 681-0231

Multiple Stage Cementing Collar Used? Yes X No

Contractor: Name: DUKE DRILLING CO., INC.

License: 5929

If yes, show depth set \_\_\_\_\_ Feet

Wellsite Geologist: WILLIAM SHEPHERD

Designate Type of Completion

If Alternate II completion, cement circulated from \_\_\_\_\_

X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

X Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_ Temp. Abd.

Drilling Fluid Management Plan Att. 1, 7-8-98 U.C.  
(Data must be collected from the Reserve Pit)

X Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_

\_\_\_\_\_ Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Chloride content 12000 ppm Fluid volume 240 bbls

Operator: \_\_\_\_\_

Dewatering method used: HAUL WATER OFF PIT, DRY AND RESTORE

Well Name: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Conv. to Inj/SWD

\_\_\_\_\_ Plug Back \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_

\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_

\_\_\_\_\_ Other (SWD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator Name Oil Producers, Inc. of Ks

Lease Name WATSON License No. 8061

11/24/97 \_\_\_\_\_ 12/02/97 \_\_\_\_\_ 12/18/97 \_\_\_\_\_  
Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

SW Quarter Sec. 8 Twp. 29 S Rng. 15 E/W

County Pratt Docket No. D-24,324

**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 John S. Weir John S. Weir

Title President Date 6/24/98

Subscribed and sworn to before me this 24th of June 1998.

Notary Public Diana L. Richecky

Date Commission Expires Jan 12, 2000

K.C.C. OFFICE USE ONLY		
F	Letter of Confidentiality Attached	
C	Wireline Log Received	<input checked="" type="checkbox"/>
C	Geologist Report Received	<input checked="" type="checkbox"/>
Distribution		
<input checked="" type="checkbox"/>	KCC	SWD/Rep _____ NGPA _____
_____	KGS	Plug _____ Other _____ (Specify) _____

Form ACO-1 (7-91)



RECEIVED  
STATE CORPORATION COMMISSION

JUN 25 1998  
6-25-98

Operator Name Oil Producers, Inc. of Kansas Lease Name UNRUH Well # 1 **ORIGINAL**  
 Sec. 4 Twp. 31S Rge. 18  East County COMANCHE  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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	<b>Formation (Top), Depth and Datums</b>	<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	HEEBNER	4207'	-2053'
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BROWN LIME	4373'	-2219'
(Submit Copy)		LANSING KANSAS CITY	4395'	-2241'
List All E.Logs Run:		MISSISSIPPI	5016'	-2862'
		RTD	5150'	-2996'
		LTD	5140'	-2986'

LOGS: GEOLOGICAL LOG, GAMMA RAY DENSITY | NEUTRON LOG, SONIC LLG CORRELATION | CEMENT BOND LOG, DUAL INDUCTION LOG

CASING RECORD <input type="checkbox"/> New <input checked="" 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 1/4	8 5/8"	23#	643	MidCon/60 40	130/140	3% CC, 2% gel
PRODUCTION	7 7/8	4 1/2"	10.5 #	5149	EA-2	100	

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	
4	5029-5034'	SEE ATTACHED INITIAL COMPLETION REPORT	same
4	5049-5051'		

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 3/8"	5076.25'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.		Producing Method	
Estimated Production	Oil Bbls.	Gas Mcf	Water Bbls.
7/1/98	40	225mcfpd	28 BWPD

Disposition of Gas: **METHOD OF COMPLETION** Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 5029-5034'

(If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_ 5049-5051'

RECEIVED  
 STATE CORPORATION COMMISSION  
 JUN 25 1998  
 6-25-98  
 COMMISSION

CUSTOMER COPY



REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046 Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
219220	06/07/1997

WELL/LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
NRUH 1	COMANCHE	KS	SAHE		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
	DUKE DRILLING #5	SHOWN BELOW	06/07/1997		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPMENT VIA	FILE NO.
46989	BRAD SIROKY			COMPANY TRUCK	25477

ORIGINAL

DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC. OF KANSAS  
C/O MR BRAD SIROKY  
10764 COUNTRY CLUB ROAD  
PRATT, KS 67124-8195

1102 E. 8TH  
HAYS KS 67601  
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	94	MI	3.20	300.80
		1	UNT		
000-119	MILEAGE FOR CREW	94	MI	1.95	N/C
		1	UNT		
001-016	CEMENTING CASING	5145	FT	2.164	11138.58
		1	UNT		
018-317	SUPER FLUSH	12	SR	112.00	1,344.00
018-303	CLAYFIX 11, PER GAL	2	GAL	30.50	61.00
26	INSERT VALVE P. S. - 4 1/2"	1	EA	314.00	314.00
847.6316					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	52.00	52.00
015.19113					
40	CENTRALIZER 4-1/2 X 7-7/8	4	EA	56.00	224.00
800.60004					
503	3-WIPER L-D PLUG - 4 1/2"	1	EA	175.00	175.00
001.0373					
504	4 1/2" LATCH DOWN GAFFLE	1	EA	110.00	110.00
001.03734					
504-308	CEMENT - STANDARD	100	SK	10.83	1,083.00
508-291	GILSONITE BULK	500	LB	.50	250.00
508-127	CAL SEAL 60	5	SK	28.00	140.00
509-908	NALT	800	LB	.17	136.00
507-775	HALAD-322	94	LB	7.70	723.80
507-970	D-AIR 1, POWDER	24	LB	3.65	87.60
507-918	GASSTOP	24	LB	38.50	924.00
504-130	CEMENT - 50/50 POZEMIX STANDARD	35	SK	7.59	265.65
500-207	BULK SERVICE CHARGE	163	CFT		252.65
500-306	MILEAGE CHRG NAT DEL OR RETURN	335.439	STAT		395.82

*Handwritten signature/initials*

RECEIVED  
STATE CORPORATION COMMISSION

JUN 25 1998

CONSERVATION DIVISION  
Wichita, Kansas

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

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.

CUSTOMER COPY

INVOICE



HALLIBURTON ENERGY SERVICES, INC.

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046 Corporate FIN 73-0271280 H

INVOICE NO.	DATE
219220	06/07/1997

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
NRUH 1		COMANCHE		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT		DUKE DRILLING #5	SHOWN BELOW		06/07/1997
ACCT NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
46989	BRAD SIROKY			COMPANY TRUCK	25477

ORIGINAL

DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC OF KANSAS  
C/O MR. BRAD SIROKY  
10264 COUNTRY CLUB ROAD  
PRATT, KS 67124-8195

1102 E. 6TH  
HAYS KS 67601  
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	JOB PURPOSE SUBTOTAL				9,029.22
	INVOICE SUBTOTAL				9,029.22
	DISCOUNT-(BID)				2,528.15
	INVOICE BID AMOUNT				6,501.07
	*-KANSAS STATE SALES TAX				176.52
	*-PRATT COUNTY SALES TAX				36.02
	<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>				<b>\$6,713.51</b>

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 25 1998  
CONSERVATION DIVISION  
Wichita, Kansas

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HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-P

CHARGE TO: **OIL PRODUCERS OF KS. INC.**  
 ADDRESS: \_\_\_\_\_  
 CITY, STATE, ZIP CODE: \_\_\_\_\_

ORIGINAL - DUNCAN COPY TICKET

RECEIVED No. 219220 - 1  
 STATE CORPORATION COMMISSION

ORIGINAL

JUN 25 1998

PAGE 1 OF 2

1. SERVICE LOCATIONS <b>Wichita, KS. 25555</b>	WELL/PROJECT NO. <b>#1</b>	LEASE <b>UNRUH</b>	COUNTY-PARISH <b>COMANCHE</b>	STATE <b>KS.</b>	CITY/OFFSHORE LOCATION <b>Wichita, Kansas</b>	DATE <b>6-7-97</b>	OWNER <b>same</b>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <b>DUKE DRUG.</b>	RIG NAME NO <b>45</b>	SHIPPED VIA <b>C.T. WELL SITE</b>	DELIVERED TO	ORDER NO.	
3. WELL TYPE <b>01</b>	WELL CATEGORY <b>01</b>	JOB PURPOSE <b>035</b>	WELL PERMIT NO.	WELL LOCATION <b>LAND 4-315-18W</b>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		U/M	U/M			
000-117					MILEAGE 1 UNIT R.T.	94	miles	3.20		300.80
000-119					CREW MILEAGE	94	miles	1.95		NC
001-016					PUMP CHARGE	6	HRS. 5149 FT.	2184.00		2184.00
018-317					SUPERFLUSH	12	SUS.	112.00		1344.00
018-303					CLAMPFIX TB	2	90L.	30.50		61.00
26	847.6316				INSERT FOOT SHOE	1	EP. 4 1/2 in.	314.00		314.00
27	815.1913				FILL-UP UNIT	1	EP. "	52.00		52.00
40	806.60004				CENTRALIZER	4	EP. "	56.00		224.00
593	801.0373				LATCH-DOWN PLUG 3W	1	EP. "	175.00		175.00
594	801.03734				LATCH-DOWN BAFFLE	1	EP. "	110.00		110.00
<del>019-241</del>					<del>ROTATING HEAD</del>			<del>300.00</del>		<del>300.00</del>

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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED: **6-6-97** TIME SIGNED: **2000**

A.M.  P.M.

I 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  UN-DECIDED  DIS-AGREE

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: **4764.80**

FROM CONTINUATION PAGE(S): **4264.78**

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: **9029.20**

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)

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)

HALLIBURTON OPERATOR/ENGINEER

FMP #

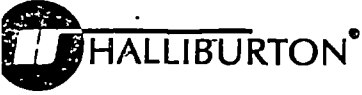
HALLIBURTON APPROVAL

**BRAD SIMPKY**

X

**KEVIN P. GARDNER 08500**





**JOB SUMMARY** 4239-1

TICKET # **219220** TICKET DATE **6-7-87**  
 BDA / STATE **KS.** COUNTY **COMANCHE**

REGION **North America** NWA/COUNTRY **MID CONT. USA**  
 MBU ID / EMP # **C8500** EMPLOYEE NAME **KEVIN GARDLEY**  
 LOCATION **Perm. Hs.** COMPANY **OIL PROD. OF HS. INC.**  
 TICKET AMOUNT **10,020.82** WELL TYPE **01**  
 WELL LOCATION **5 Chaswell Hill Hs.** DEPARTMENT **CEMENT**  
 LEASE / WELL # **UNRHT #1** SEC / TWP / RNG **4-315-18W**

PSL DEPARTMENT **CEMENT**  
 CUSTOMER REP / PHONE **B. SERRA**  
 API / UWI #  
 JOB PURPOSE CODE **035**

HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
<b>K. GARDLEY</b> C8500		<b>C. MESSER</b> HS314		<b>B. JOHNSON</b> C. 9726			

**ORIGINAL**

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
<b>94040</b>	<b>100</b>	<b>51936</b>	<b>100</b>	<b>41425221</b>	<b>100</b>		

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	TIME	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
		<b>6-6</b>	<b>6-6</b>	<b>6-7</b>	<b>6-7</b>
		<b>1700</b>	<b>1900</b>	<b>0045</b>	<b>0230</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe	<b>1</b>	<b>HW2080</b>
Guide Shoe		
Centralizers	<b>4</b>	
Bottom Plug		
Top Plug <b>LATCH-DOWN</b>	<b>1</b>	
Head <b>STAMP</b>	<b>1</b>	
Packer <b>ROTO HEAD</b>	<b>1</b>	
Other <b>BAFFLE</b>	<b>1</b>	

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>U</b>	<b>1072</b>	<b>4 1/2</b>	<b>KB</b>	<b>5149</b>	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole				<b>5149</b>	<b>5150</b>	<b>SHOTS/FT.</b>
Perforations						
Perforations						
Perforations						

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid <td></td> <td></td>		
Prop. Type <td>Size</td> <td>Lb.</td>	Size	Lb.
Prop. Type <td>Size</td> <td>Lb.</td>	Size	Lb.
Acid Type <td>Gal.</td> <td>%</td>	Gal.	%
Acid Type <td>Gal.</td> <td>%</td>	Gal.	%
Surfactant <td>Gal.</td> <td>In</td>	Gal.	In
NE Agent <td>Gal.</td> <td>In</td>	Gal.	In
Fluid Loss <td>Gal/Lb</td> <td>In</td>	Gal/Lb	In
Gelling Agent <td>Gal/Lb</td> <td>In</td>	Gal/Lb	In
Fric. Red. <td>Gal/Lb</td> <td>In</td>	Gal/Lb	In
Breaker <td>Gal/Lb</td> <td>In</td>	Gal/Lb	In
Blocking Agent <td>Gal/Lb</td> <td></td>	Gal/Lb	
Perpac Balls <td>Qty.</td> <td></td>	Qty.	
Other		
Other	<b>2 gal. CEMENT</b>	
Other	<b>12 SPS. SUPERFLUSH</b>	

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<b>RECEIVED</b> STATE PRODUCTION COMMISSION <b>JUN 25 1988</b>
<b>TOTAL</b>		<b>TOTAL</b>		<b>CONSERVATION DIVISION</b> Wichita, Kansas

ORDERED \_\_\_\_\_ HYDRAULIC HORSEPOWER \_\_\_\_\_  
 Avere. \_\_\_\_\_ Used \_\_\_\_\_  
 TREATED \_\_\_\_\_ AVERAGE RATES IN BPM \_\_\_\_\_  
 Disp. \_\_\_\_\_ Overall \_\_\_\_\_  
 FEET \_\_\_\_\_ CEMENT LEFT IN PIPE \_\_\_\_\_  
 Reason **LATCH DOWN BAFFLE**

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	<b>50</b>	<b>EA-2 SD</b>	<b>B</b>	<b>5% CMC-SMP, 1.8% SACT, 1% HALMAD-322,</b>	<b>1.38</b>	<b>15.3</b>
	<b>50</b>	<b>EA-2 SD</b>	<b>B</b>	<b>5% HALMAD-322, .25% D-WATER,</b>	<b>1.38</b>	<b>15.3</b>
	<b>35</b>	<b>50/50 P2 B</b>	<b>B</b>	<b>PLUS .5% CASSTOP</b>		

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_ Preflush: Gal **20 + 12** Type **SUPERFLUSH**  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_ Load & Bkdn: Gal - **BB1** Pad: **BB1** - Gal  
 Average \_\_\_\_\_ Frac Gradient \_\_\_\_\_ Treatment Gal - **BB1** Disp: **BB1** - Gal **81.5**  
 Shut In: Instant \_\_\_\_\_ 5 Min \_\_\_\_\_ 15 Min \_\_\_\_\_ Cement Slurr Gal - **BB1** **12 1/4 + 12 1/4 = 25 1/2**  
 Total Volume Gal - **BB1**

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_  
**THE INFORMATION STATED HEREIN IS CORRECT** CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_

TICKET #	219022	TICKET DATE	6-6-97
REGION	North America	BDA / STATE	TX
WELL ID / EMP #	0230	EMPLOYEE NAME	Michael ...
LOCATION	...	PSL DEPARTMENT	...
TICKET AMOUNT	...	CUSTOMER REP / PHONE	...
WELL LOCATION	...	API / UWI #	...
BASE / WELL #	...	DEPARTMENT	...
		SEC / TWP / RNG	...

ORIGINAL

ES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS	HES EMP NAME/EMP#/(EXPOSURE HOURS)	HRS
...	...	...	...	...	...	...	...

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
1	1700							Called out
	1900							oil location w/ F.E. 6-6-97 PAC and down D.P.
								Run 140 JTS. 4 1/2" 10 1/2" casing. 140 JTS = 5152.38' TD-5150
								Run flows shoe, latch down before 2nd 1st casing. Centralizer on 2-5-8-10
								Set casing 1' off bottom = 5149'
	2330							DROP BALL, Brown CTRC with mud pump Circulate down, 10'-15' fill up on bottom hook up hoses to casing.
	0045	6	20			400		PUMP 20 BBL CEATFX H <sub>2</sub> O
		6	12			300		PUMP 12 BBL SUPERT. COASH
		6	3			300		PUMP 3 BBL H <sub>2</sub> O SPACER
		6	3			300		START WASH CEATFX
		6	12/14			200		(10-15 SWS 50/50 POL SCRAWLER)
		6	12/14			200		(50 SWS LTA-2)
		6	12/14			200		(50 SWS LTA-2 WITH CRISTOP)
			28 TOTAL					FINISH WASH CEATFX
								SHUT DOWN WASH OUT CLOGS & REDUSE PULG
	7/2	0				200		START DESP.
	7/2	60				300		LEFT IN CEATFX
	4	75				500		SLOW RATE
0123	4	8 1/2				1000		PLUG DOWN
								REDUSE PULG HARD
								25 SWS 50/50 POL → PLUG RATE HOLD & PRESSURE HOLD WASH UP - PULG UP
0230								JOB COMPLETE PULG DOWN



CUSTOMER COPY



REMIT TO:  
 P O BOX 951046  
 DALLAS, TX 75395-1046  
 Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
219216	05/29/1997

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
NR00H 1	COMANCHE	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
PRATT	DUKE DRILLING	SHOWN BELOW	05/29/1997		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
46989	JOE LIVINGSTON			COMPANY TRUCK	25016

**ORIGINAL** DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC. OF KANSAS  
 C/O MR. BRAD SIROKY  
 10264 COUNTRY CLUB ROAD  
 PRATT, KS 67124-8195

1107 E. 8TH  
 HAYS KS 67601  
 913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE CEMENTING ROUND TRIP	94 MI		3.20	300.80
		1 UNT			
000-119	MILEAGE FOR CHW	94 MI		1.95	N/C
		1 UNT			
001-016	CEMENTING CASING	658 FT		1,025.00	1,025.00
		1 UNT			
030-503	CMTG PLUG LA-11,CP-1,CP-3, TOP	8 5/8 IN		95.00	95.00
		1 EA			
24A	INSERT FLOAT VALVE - 8 5/8" BRD	1 EA		180.00	180.00
815.19502					
27	FILL-UP UNIT 7" - 8 5/8"	1 EA		70.00	70.00
815.19415					
504-280	MIDCON-1 STANDARD CEMENT	140 SK		13.53	1,894.20
507-210	FLOCELE	35 LB		1.90	66.50
509-406	ANHYDROUS CALCIUM CHLORIDE	4 SK		46.90	187.60
504-136	CEMENT - 40/60 POZNIX STANDARD	130 SK		8.14	1,058.20
509-406	ANHYDROUS CALCIUM CHLORIDE	3 SK		46.90	140.70
500-207	BULK SERVICE CHARGE	294 CPT		1.55	455.70
500-306	MILEAGE CMTG MAT DEL. OR RETURN	597.840 TH		1.18	705.45
<b>JOB PURPOSE SUBTOTAL</b>					<b>6,187.15</b>
<b>INVOICE SUBTOTAL</b>					<b>6,187.15</b>
<b>DISCOUNT- (81D)</b>					<b>2,289.20</b>
<b>INVOICE BID AMOUNT</b>					<b>3,897.95</b>
<b>** KANSAS STATE SALES TAX</b>					<b>150.06</b>

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

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.

CUSTOMER COPY



REMIT TO:  
P.O. BOX 951046  
DALLAS, TX 75395-1046  
Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
219216	05/29/1997

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
NRUH 1	COMANCHE	KS	SAHE		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
PRATT	DUKE DRILLING	SHOWN BELOW	05/29/1997		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
46989	JOE LIVINGSTON			COMPANY TRUCK	25018

ORIGINAL

DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC. OF KANSAS  
C/O MR. BRAD SIROKY  
10264 COUNTRY CLUB ROAD  
PRATT, KS 67124-8195

1102 E. 8TH  
HAYS KS 67601  
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	*-PRATT COUNTY SALES TAX				30.62
<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>					<b>64,078.63</b>

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HALLIBURTON

HALLIBURTON ENERGY SERVICES

HAL-1906-P

37

CHARGE TO: *OTC PRODUCERS OF K.S., INC.*  
 ADDRESS:  
 CITY, STATE, ZIP CODE:

CUSTOMER COPY

TICKET

No.

219216 - 8

ORIGINAL

PAGE 1 OF 2

1. SERVICE LOCATION <i>PHIL, K.S. 25555</i>	WELL/PROJECT NO. <i>#1</i>	LEASE <i>LINRUH</i>	COUNTY/PARISH <i>COMANCHE</i>	STATE <i>K.S.</i>	CITY/OFFSHORE LOCATION	DATE <i>5-29-97</i>	OWNER <i>SMITH</i>
2. TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR <i>DUCE DRILL</i>	RIG NAME/NO. <i>#5</i>	SHIPPED VIA <i>C.T.</i>	DELIVERED TO <i>WELL SITE</i>	ORDER NO.	
3. WELL TYPE	WELL CATEGORY	JOB PURPOSE <i>010 CONT. SURF. CSG.</i>	WELL PERMIT NO.	WELL LOCATION <i>LAND 4-315-18W</i>			
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <i>APR 1503320935000</i>						

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT	DF								
000-117		1			MILEAGE 1 UNIT R.T.	94	miles		3	20	300 80	
000-119					CREW MILEAGE	94	miles		1	95	NR.	
001-016					PUMP CHARGE	6	HRS	658	FL	1025	1025 00	
030-503					TOP PLUG WOOD	1	LN	8 3/8	111	95	95 00	
<i>24H 21</i>	<i>815.19502</i>				INSERT FLOAT VALVE	1	LN	8 3/8	111	188	188 00	
	<i>815.19415</i>				FILL-UP UNIT	1	LN	8 3/8	111	70	70 00	

**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.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED *5-29-97* TIME SIGNED *0800*  A.M.  P.M.

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 <i>1678 80</i>
TYPE LOCK	DEPTH	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?					FROM CONTINUATION SHEET <i>4508 35</i>
BEAN SIZE	SPACERS	WE UNDERSTOOD AND MET YOUR NEEDS?					
TYPE OF EQUALIZING SUB.	CASING PRESSURE	OUR SERVICE WAS PERFORMED WITHOUT DELAY?					SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE <i>6187 15</i>
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 type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

**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)	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE)	HALLIBURTON OPERATOR/ENGINEER	EMP #	HALLIBURTON APPROVAL
<i>[Signature]</i>	<i>[Signature]</i>	<i>KEVIN P. GURNEY</i>	<i>08500</i>	<i>[Signature]</i>



HALLIBURTON

TICKET CONTINUATION

CUSTOMER COPY

TICKET No. 219216

HALLIBURTON ENERGY SERVICES

ORIGINAL

CUSTOMER: Oilfield Services of KS, WELL: Harcup #1, DATE: 5-31-12, PAGE 2 OF 2

FORM 1911 R-10

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M				
504-270		1			M. down II SW	140	4/10			13.73	1924.20
507-210	870-11-01	1			Fluor 1 1/2" x 1/2" 100	2	1/10			1.33	66.50
509-400	870-11-01	1			Colony Chloride 100 20	4	1/10			42.50	170.00
					Load 1.0 TR # 100-1-5, +						
504-270		1			4 1/2" Pipe 14 5/8" OD	170	1/10			8.14	1384.30
507-210	870-11-01	1			Colony Chloride 100 20	3	1/10			42.50	127.50
					Load 1.0 TR # 100-1-5, +						
503-201		1			SERVICE CHARGE						
503-201		1			MILEAGE CHARGE						
					TOTAL WEIGHT						
					LOADED MILES						
					CUBIC FEET						
					TON MILES						

No. B 338358

CONTINUATION TOTAL 4508.35





CUSTOMER COPY



REMIT TO:  
P O BOX 901046  
DALLAS TX 75395-1046  
Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES, INC.

INVOICE NO.	DATE
719278	05/31/1997

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
NNUH )	COMANCHE	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB/PURPOSE	TICKET DATE		
RATT	BUKE DRILLING	SHOWN BELOW	05/31/1997		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
46989	JON LIVINGSTON			COMPANY TRUCK	25139

ORIGINAL DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC. OF KANSAS  
C/O MR. BRAD SIROKY  
10264 COUNTRY CLUB ROAD  
PRATT, KS 67124-8195

1102 E. 8TH  
HAYS KS 67601  
913-635-3431

REFERENCE NO	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DRILLING AREA - MID CONTINENT				
	JOB PURPOSE - SQUEEZE/LOST CIRCULATION				
009-117	MILEAGE CEMENTING ROUND TRIP	94 MI		3.20	300.80
		1/UNT			
009-134	CEMENT SQUEEZE	996 FT		996.00	996.00
009-019		1 UNT			
504-308	CEMENT - STANDARD	150 SK		10.83	1,624.50
509-406	ANHYDROUS CALCIUM CHLORIDE	4 SK		46.90	187.60
507-210	FLOCELE	38 LB		1.90	72.20
500-207	BULK SERVICE CHARGE	161 CFT		1.55	249.55
500-306	MILEAGE CMTG MAT DEL. OR RETURN	339.763 TMI		1.16	400.92
JOB PURPOSE SUBTOTAL					3,831.57
INVOICE SUBTOTAL					3,831.57
DISCOUNT - (BID)					1,417.66
INVOICE BID AMOUNT					2,413.91
* - KANSAS STATE SALES TAX					78.25
* - PRATT COUNTY SALES TAX					15.96
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,506.12

*UNRUH  
OPS -  
Cement For Circulation*

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HALLIBURTON ENERGY SERVICES

ORIGINAL

TICKET CONTINUATION CUSTOMER COPY

TICKET No. 219278

FORM 1911 R-10

CUSTOMER Oil Producers of KS. WELL Unruh #1 DATE 5-31-97 PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT	
		LOC	ACCT	DF		U/M	U/M					
504-308	576.00261	1			Standard Cement	150	SKS			10 83	1624 50	
509-406	890.50812	1			Calcium Chloride Bld 3%	4	SKS			46 90	187 60	
507-210	890.50071	1			Flocels Bld 1/4 #15K	38	165			1 90	72 20	
					Loaded on TRK #52530 - Front							
500-207		1			SERVICE CHARGE					CUBIC FEET 161	1 55 249 55	
500-306		1			MILEAGE CHARGE	TOTAL WEIGHT 14,458	LOADED MILES 47			TON MILES 339.763	1 18 400 92	

No. B 338359

CONTINUATION TOTAL 2534 77







ORIGINAL

**OIL PRODUCERS INC., OF KS.**  
**INITIAL COMPLETION REPORT**

**WELL** - UNRUH #1

**LEGAL** - C-SW/NW OF 4-31s-18w IN COMANCHE CO. KS.

**API#** - 15-033-20,935

**K.B.** - 11' ABOVE G.L.

**G.L.** - 2143'

**SURFACE CSN** - 8 5/8" @ 658' WITH 270 SX.

**RTD** - 5150'

**LTD** - 5140' (ELI 6/6/97)

**PRODUCTION CSN** - 4 1/2", 10.5# @ 5149' WITH 100 SX. EA-2

**TOP OF CEMENT** - 4550' WITH GOOD CEMENT.

**PBTD** - 5104' (ELI 6/11/97), 5118' (BY TBG TALLY 6/17/97)

**PERFORATIONS** - MISSISSIPPI-----5029'-5034' 4/FT. 6/11/97.  
MISSISSIPPI-----5049'-5051' 4/FT. 6/11/97

**TUBING RAN** - 15' MA, SN, 166 JTS. 2 3/8" TBG. (5076.25)

**TUBING SET @** - 5100.35'

**AVER TBG JT.** - 30.57'

**PUMP RAN** - 2" X 1 1/2" X 12' RWTC WITH 6' GAS ANCHOR.

**RODS RAN** - PUMP, 2', 199-3/4" RODS, 1 1/4" X 16' POLISHED ROD.

**PUMP SET @** - 5085.35'

**PUMPING UNIT** - PARKERSBURG 114, TYPE 54CH114D-16.6, SERIAL #-35357

**ENGINE** - ARROW C-66

**TANK BATTERY** - 10' X 15' 210 BBL FIBERGLASS GUN BARRELL.  
10' X 12' 200 BBL FIBERGLASS CLOSED TOP WATER TANK  
2 - 8' X 16' 250 BBL STEEL STOCK TANKS.  
24" X 8' VERTICAL 500# W.P. SEPARATOR W/MAN. DUMP.

**6/11/97**

COMACHE WELL SERVICE ON LOCATION, RIGGED UP D-D POLE UNIT.  
ELI WIRELINE ON LOCATION TO RUN CORRELATION & SONIC CEMENT BOND LOG.

ORIGINAL

6/11 CONT.

FOUND TOTAL DEPTH - 5104' (THIS IS 22' HIGH TO TOP INSERT @ 5126)  
FOUND TOP OF CEMENT - 4550' WITH GOOD CEMENT BONDING.

COMANCHE WELL SWABBED FRESH WATER FROM CASING TO PIT TO 4600'.

ELI RIGGED TO PERFORATE PROPOSED INTERVALS IN MISSISSIPPI.  
PERFORATED MISS - 5049'-5051' WITH 4 SHOTS/FT.  
PERFORATED MISS - 5029'-5034' WITH 4 SHOTS/FT.

COMANCHE SWABBED WELL DOWN TO TOTAL DEPTH. HAD GOOD GAS SHOW.  
SHUT DOWN FOR THE NIGHT.

6/12/97

SICP - 550 psi, FLUID LEVEL - HAD 60' FLUID IN HOLE, 100% OIL.  
BLEW WELL DOWN.

TEST NATURAL FOR 3 HRS - WELL STABILIZED @ 70 MCFPD.

JW TRUCKING ON LOCATION & UNLOADED TBG & RODS FROM EINSEL-G LEASE.

HALLIBURTON ON LOCATION WITH SPACED OUT PPI TOOL TO BE USED AS  
STRADDLE TOOL.  
RIH - WITH PPI TOOL & TBG.

STRADDLE LOWER MISS PERFS 5049'-51'.

HALLIBURTON ON LOCATION TO ACIDIZE LOWER MISS PERFS 5049'-51' WITH 250  
GALS 15% DSFE ACID.

**ACIDIZE LOWER MISS PERFS AS FOLLOWS:**

SPOT ACID ACROSS PERFS. PUMP 250 GALS 15% DSFE ACID.  
LOAD HOLE WITH FIELD BRINE. PRESSURED TO 60 psi. DROP TO 0 psi.  
DISPLACED ACID @ 4 1/2 BPM @ 0 psi.  
ISIP - VAC, TOTAL LOAD - 26 BBLs.  
NOTE: - IT IS HIGHLY LIKELY THAT WE COMMUNICATED, EITHER VIA TOOL  
RUBBER OR TO UPPER MISS PERFS.

COMANCHE RIGGED TO SWAB BACK AFTER ACID.

**SWAB TEST LOWER MISS PERFS AFTER ACID AS FOLLOWS:**

FOUND FLUID LEVEL @ 3200' DOWN.  
NOTE: - THIS FLUID LEVEL WOULD INDICATE TTL ACID LOAD VOLUME IN TBG &  
ANNULUS. LEADING US TO BELIEVE WE ARE COMMUNICATED.  
MADE 3 SWAB RUNS. RECOVERED 20 BBLs. GOOD GAS SHOW.  
NOTE: - WE ARE DEFINITELY COMMUNICATED.

PULL PPI TOOL UP HOLE IN BLANK PIPE TO PRESSURE TEST TBG & TOOLS.  
PRESSURED TO 2000 psi & HELD O.K.  
NOTE: - WE DEFINITELY COMMUNICATED BEHIND PIPE FROM LOWER PERFS TO  
UPPER PERFS.

STRADDLE UPPER MISS PERFS 5029'-34' WITH PPI TOOL.

ORIGINAL

6/12 CONT.

HALLIBURTON RIGGED TO ACIDIZE UPPER MISS PERFS 5029'-34' WITH 500 GALS 15% DSFE ACID.

**ACIDIZE UPPER MISS PERFS AS FOLLOWS:**

PUMP 500 GALS 15% DSFE ACID. SPOT ACID ACROSS PERFS.  
LOAD HOLE WITH FIELD BRINE.  
DISPLACED 250 GALS @ 1 1/2 BPM - 100 psi.  
DISPLACED 250 GALS @ 2 1/2 BPM - 250 psi TO 200 psi.  
ISIP - VAC, TTL LOAD - 32 BBLs.

COMANCHE RIGGED TO SWAB TEST UPPER MISS PERFS AFTER ACID.

**SWAB TEST UPPER MISS PERFS AFTER ACID AS FOLLOWS:**

FOUND FLUID LEVEL @ 1200' FROM SURFACE.  
MADE 6 SWAB RUNS & RECOVERED APPROX 28 BBLs.  
LAST RUN RECOVERED 200' FLUID, 60% OIL.  
TEST GAS FOR 1/2 HR. - @ 270 MCFPD.  
SHUT WELL IN FOR THE NIGHT.

6/13/97

SICP - 725 psi, FLUID LEVEL - UNKNOWN.

OPENED WELL UP & STARTED FLOWING TO PIT.

1/2 HR. FLOW TO PIT - RECOVERED APPROX 4 BBLs, 100% OIL.

1/2 HR. FLOW TO TANK - RECOVERED NO MEASURABLE FLUID. MISTING 100% OIL

2 HR. GAS TEST TO PIT - STABILIZED @ 347 MCFPD, WITH LIGHT. MIST OF OIL.

HALLIBURTON ON LOCATION TO RE-ACIDIZE UPPER MISS PERFS 5029'-34' WITH 4000 GALS 15% SGA ACID AND 1500 GALS 25# GELLED WATER IN STAGES FOR PAD ACID TREATMENT.

**RE-ACIDIZE UPPER MISS PERFS AS FOLLOWS:**

PUMP 1000 GALS 15% SGA ACID @ 3 1/2 BPM - 350 psi.  
PUMP 500 GALS 25# GELLED WATER @ 3 1/2 BPM - 350 psi.  
PUMP 1000 GALS 15% SGA ACID @ 3 1/2 BPM - 350 psi.  
PUMP 500 GALS 25# GELLED WATER @ 3 1/2 BPM - 350 psi.  
PUMP 1000 GALS 15% SGA ACID @ 3 1/2 BPM - 350 psi.  
PUMP 500 GALS 25# GELLED WATER @ 3 1/2 BPM - 350 psi  
PUMP 1000 GALS 15% SGA ACID @ 3 1/2 BPM - 350 psi  
FLUSH WITH 19 BBL 25# GELLED WATER @ 3 1/2 BPM - 350 psi TO 525 psi.  
ISIP - 42 psi, VAC - IN 5 MINUTES, TOTAL LOAD - 151 BBLs.

POOH - WITH TUBING & PPI TOOL.

COMANCHE RIGGED UP 4 1/2" CASING SWAB TOOLS, RIGGED TO SWAB BACK ACID LOAD & TEST MISS AFTER RE-ACID.

**TEST MISS AFTER RE-ACID AS FOLLOWS:**

FOUND FLUID LEVEL @ 2000' FROM SURFACE.  
SBHP - CALCULATES 1454 psi.  
SWAB & FLOW FOR APPROX 3 HRS. RECOVERED 120 BBLs OF ACID LOAD.  
1/2 HR. FLOW TEST - MEASURED GAS @ 475 psi.  
1/2 HR. SWAB TEST - RECOVERED APPROX 3 BBLs FLUID @ 80% OIL.  
SHUT DOWN FOR THE WEEKEND.

ORIGINAL

6/16/97

SICP - 950 psi.  
FLOW WELL TO PIT FOR 1 HR. GAS VOLUMES MEASURED @ 360 MCFPD.  
SHUT DOWN DUE TO TRUCK PROBLEMS.

6/17/97

SICP - 625 psi,

**CONTINUE TESTING MISS AS FOLLOWS:**

BLEW WELL DOWN TO PIT FOR 1 HR.  
1/2 HR. FLOW TEST TO TANK - RECOVERED 15 BBLs @ 65% OIL.  
1/2 HR. SWAB TEST - RECOVERED 11.69 BBLs @ 45% OIL.  
1 HR. GAS TEST - TO PIT MEASURING GAS VOLUMES @ 315 MCFPD.  
1 HR. SWAB RUN - RECOVERED 20 BBLs @ 81% OIL.  
1 HR. GAS TEST - TO PIT MEASURING GAS VOLUMES @ 393 MCFPD.  
1 HR. SWAB RUN - RECOVERED 13.36 BBLs @ 80% OIL.

GREAT PLAINS FLUID SERVICE ON LOCATION WITH HIGH PRESSURE TRUCK TO  
KILL WELL WHILE RUNNING TUBING. PUMP 80 BBLs VIA ANNULUS TO KEEP  
WELL QUIET.

COMANCHE RIGGED TO RUN PRODUCTION TUBING FROM EINSEL-G WELL.

**RAN TUBING AS FOLLOWS:**

MUD ANCHOR X 2 3/8"	15.00'
SEATING NIPPLE X 2 3/8"	1.10'
166 JTS. USED T&D TUBING X 2 3/8"	5076.25'
K.B. (11' < 3' ABOVE G.L.)	8.00'
TUBING SET @	5100.35'
SEATING NIPPLE SET @	5085.35'

TAGGED TOTAL DEPTH (BY TUBING TALLY) @ 5118'. PICK UP & SET TUBING 18'  
OFF BOTTOM. PACKED TUBING OFF.

RIGGED TO RUN PUMP & RODS.

JW TRUCKING ON LOCATION WITH 3600' NEW 3/4" RODS FROM A&W SUPPLY AND  
60 3/4" RODS USED FROM EINSEL-G WELL.

**RAN PUMP & RODS AS FOLLOWS:**

2" X 1 1/2" X 12' RWTC WITH 6' GAS ANCHOR	14.00'
2' X 3/4" ROD SUB	2.00'
199 - 3/4" RODS	4975.00'
1 1/4" X 16' POLISHED ROD	16.00'
PUMP SET @	5085.35'

6/18/97

FINISHED RUNNING RODS. COMANCHE RIGGED DOWN & MOVED OFF LOCATION.

ENSLIE DOZER ON LOCATION. SMOOTHED OUT LOCATION.  
BUILT PUMPING UNIT GRADE TO SOUTH OF WELL.  
BUILT TANK BATTERY GRADE SW OF WELL @ ROAD.

ORIGINAL

6/18 CONT.

GABEL LEASE SERVICE ON LOCATION WITH COMPLETE TANK BATTERY FROM DEARTH-C LEASE.

SET GUN BARRELL - 10' X 15' FIBERGLASS 210 BBL.

SET WATER TANK - 10' X 12' FIBERGLASS 210 BBL CLOSED TOP.

SET STOCK TANKS - 2 - 8' X 16' 250 BBL STEEL.

6/19/97

STREMMEL ON LOCATION WITH GAS SEPARATOR. SET ON TANK GRADE.

SET GAS SEPARATOR - 24" X 8' VERTICAL, 500# WP, WITH MANUAL DUMP.

TIED DUMP INTO GUN BBL INLET.

6/20/97

JW TRUCKING ON LOCATION WITH TBG FOR LEAD LINE.

UNLOADED 1325' 2 3/8" TBG FROM A & W SUPPLY.

UNLOADED 1215' 2 3/8" TBG FROM MEYER A WELL OF OPIK STOCK.

STRUNG TBG FROM WELLHEAD, SOUTH TO TANK BATTERY.

UNLOADED & STRUNG APPROX 2500' 1" SCH-160 PVC PIPE TO BE USED AS GAS SUPPLY TO ENGINE, WILL RUN IN SAME DITCH AS LEAD LINE.

GABEL LEASE SERVICE ON LOCATION, HOOKED UP WELL HEAD.

STARTED DITCHING 2500' LEAD LINE.

GABEL ON LOCATION WITH PUMPING UNIT AND ENGINE FROM DEARTH-C WELL.

SET PUMPING UNIT - PARKERSBURG 114, TYPE 54CH114D-16.6.

SET ENGINE - ARROW C-66.

HUNG UNIT ON WELL.

6/23/97

SICP - 1025 psi.

GABEL LEASE SERVICE ON LOCATION. FINISHED DITCHING LEAD LINE & TIED INTO VERTICAL SEPARATOR.

PUT WELL IN SERVICE @ 10 SPM X 54" STROKE.

PUMP CAPACITY = 150 BTFPD.

6/24/97

FCP - 400 psi.

WELL PRODUCING EQUIVALENT OF 75 BTFPD @ 25% OIL.

BLEW CASING DOWN TO 200 psi TO SIMULATE KGS LINE PRESSURE.

6/26/97

FCP - 200 psi.

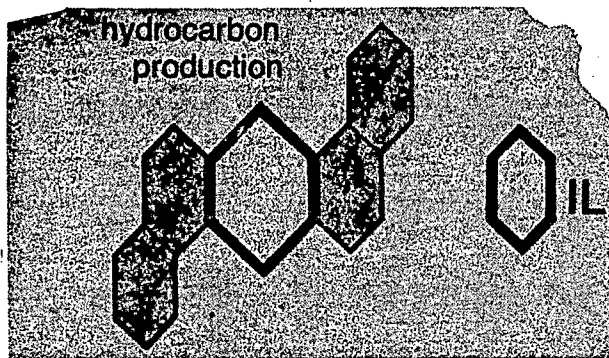
WELL PRODUCED 44 BOPD AND 28 BWPD.

TEST GAS FOR 24 HRS. @ 248 MCFFD

SHUT WELL IN WAITING FOR GAS LINE TO BE LAID.

WILL LAY GAS LINE NEXT WEEK. WILL TIE INTO KGS PLD METER IN NE/4 OF SECTION 33-30s-18w IN KIOWA CO. KS.

**END OF REPORT.**



ORIGINAL

OIL PRODUCERS, INC. OF KANSAS

June 23, 1998

**Jim Hemmen**  
**KCC**  
**130 S. Market, Room 2078**  
**Wichita, Ks. 67202**

Certified #: P 322 904 826

RECEIVED  
STATE CORPORATION COMMISSION

JUN 25 1998

Dear Jim,

CONSERVATION DIVISION  
Wichita, Kansas

Enclosed please find the ACO-1 for the UNRUH #1. I have included the cement tickets from Halliburton # 219220 for the surface casing #219216 and from Halliburton for production casing and #219278 for squeeze for lost circulation. Also included are the following logs: Geological Log, Gamma Ray Density Neutron Log, Sonic Log, Dual Induction Log, and Correlation Cement Bond log.

Sincerely,

Diana Richecky

dr

Please sign attached letter copy as receipt of this information and return in the envelope provided.

\_\_\_\_\_  
Jim Hemmen, KCC