

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

Operator: License 8061

Name: OIL PRODUCERS, INC. OF KANSAS

Address P.O. BOX 8647

City/State/Zip WICHITA, KANSAS 67208

Purchaser: BOYD ROSENE

Operator Contact Person: DIANA RICHECKY

Phone (316) 681-0231

Contractor: Name: VAL ENERGY, INC.

License: 5822

Wellsite Geologist: WILLIAM SHEPHERD

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

If Workover:

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.

10/17/98 10/21/98 10/30/98  
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21,758 - 0000

County SEWARD

- - C - NW Sec. 29 Twp. 33 Rge. 32  E W

3960 Feet from (S/N) (circle one) Line of Section

3960 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 SALLEY D Well # 2

Field Name Hugoton

Producing Formation CHASE GROUP

Elevation: Ground 2654 KB 2659

Total Depth 2750' PBDT 2590'

Amount of Surface Pipe Set and Cemented at 463

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 AH.1, 3-3-99 V.C.  
(Data must be collected from the Reserve Pit)

Chloride content 800 ppm Fluid volume 100 bbls

Dewatering method used: HAULED FROM STEEL PITS OFFSITE

Location of fluid disposal if hauled offsite:

Operator Name NICHOLS FLUID SERVICE

Lease Name JOHNSON License No. 31983

Quarter Sec. 16 Twp. 34 S Rng. 32 E/W

County SEWARD Docket No. D-21,572

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 2/22/99

Subscribed and sworn to before me this 22nd of Feb. 1999.

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  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

Form ACO-1 (7-91)



Operator Name Oil Producers, Inc. of Kansas Lease Name SALLEY D Well # 2 **ORIGINAL**  
 Sec. 29 Twp. 33S Rge. 32  East  West  
 County SEWARD

**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 type="checkbox"/> Log	<b>Formation (Top), Depth and Datums</b>	<input checked="" 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	HERINGTON	2492'	+ 167'
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	KRIDER	2524'	+ 135'
(Submit Copy)		WINFIELD	2581'	+ 78'
List All E.Logs Run:		RTD	2750'	- 91'
		GEOLOGICAL LOG, GAMMA RAY CORRELATION CEMENT BOND LOG, GAMMA RAY NEUTRON/CCL 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
CONDUCTOR		20"	52#	70	6 YR	10 1/2 YD	
SURFACE	12 1/4	8 5/8"	28 #	463	Lite	235	3% cc 1/4# floseal
PRODUCTION		4 1/2	10.5#	2750	Mid-Con/EA2	300/100	

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing	2600	2606	class H	200	
<input type="checkbox"/> Plug Back TD					
<input checked="" 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	Depth
1	2493-2503'	SEE ATTACHED INITIAL COMPLETION REPORT	same
1	2524-2534'		
1	2538-2548'		
2	2600-2606'		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
		2 3/8"	2551.84'			

Date of First, Resumed Production, SWD or Inj.		Producing Method		X		Flowing Pumping		Gas Lift Other (Explain)		Gravity
Estimated Production	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio			
11/17/98			250mcfpd		BWPD					

Disposition of Gas: **METHOD OF COMPLETION**  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  see sheet \_\_\_\_\_  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

RECEIVED  
 STATE OF KANSAS  
 FEB 23 1999  
 CONSERVATION DIVISION  
 Wichita, Kansas

CUSTOMER COPY



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

INVOICE

HALLIBURTON ENERGY SERVICES A Division of Halliburton Company

ORIGINAL

INVOICE NO.	DATE
382055	10/21/1999

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER		
SALLEY D-2	SEWARD	KS	SAME		
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE		
LIBERAL		SHOWN BELOW	10/21/1999		
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
646969	BRAD SIROKY			COMPANY TRUCK	4770

**DIRECT CORRESPONDENCE TO:**  
 OIL PRODUCERS INC. OF KANSAS  
 BOX 8647  
 WICHITA, KS 67208  
 P O BOX 1598  
 LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT PRODUCTION CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	20	MI	3.65	73.00
		1	UNT		
000-119	MILEAGE FOR CREW	20	MI	2.15	43.00
		1	UNT		
001-016	CEMENTING CASING	2753	FT	4.798.00	13,798.00
		1	UNT		
030-016	CEMENTING PLUG 5W ALUM TOP	4	1/2 IN	50.00	50.00
		1	EA		
001-018	CEMENTING CASING - ADD HRS	3	HR	376.00	1,128.00
		1	UNT		
12A	GUIDE SHOE - 4 1/2" BRD THD.	1	EA	105.00	105.00
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" BRD THD.	1	EA	110.00	110.00
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	60.00	60.00
815.19111					
40	CENTRALIZER 4-1/2 X 7-7/8	4	EA	59.00	236.00
806.60004					
350	HALLIBURTON WELD-A-AL FILLED	1	EA	18.43	18.43
890.10802					
045-050	COMPUPAC SYSTEM W/HALLIBURTON	1	JOB	760.00	760.00
		1	DAY		
504-050	CEMENT - PREMIUM PLUS	125	SK	15.69	1,961.25
504-282	MIDCON-2 PREMIUM PLUS CEMENT	300	SK	18.48	5,544.00
509-406	ANHYDROUS CALCIUM CHLORIDE	6	SK	46.90	281.40
509-968	SALT	1021	LB	.18	183.78
507-775	HALAD-322	56	LB	7.70	431.20
507-210	FLOCELE	75	LB	2.09	156.75
508-127	CAL SEAL 60	5	SK	28.00	140.00
508-291	GILSONITE BULK	500	LB	.58	290.00
507-970	D-AIR 1, POWDER	25	LB	4.27	106.75

RECEIVED  
 FEB 23 1999  
 CONSERVATION DIVISION  
 Wichita, Kansas

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

AFFIX JOB TICKET

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 of 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.

ORDER NO. 10900

PAGE 1

CUSTOMER COPY



REMIT TO:  
P.O. BOX 951044  
DALLAS, TX 75395-1044  
Corporate FIN 73-0271280

INVOICE

**HALLIBURTON ENERGY SERVICES**  
A Division of Halliburton Company

ORIGINAL

INVOICE NO.	DATE
382055	10/21/1999

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
SALLEY D-2		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL			SHOWN BELOW		10/21/1999
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
646969	BRAD SIROKY			COMPANY TRUCK	4770

OIL PRODUCERS INC. OF KANSAS  
BOX 8647  
WICHITA, KS 67208

DIRECT CORRESPONDENCE TO:  
P O BOX 159B  
LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
500-207	BULK SERVICE CHARGE	488	CFT	1.66	810.08
500-306	MILEAGE CMTG MAT DEL OR RETURN	437.350	TMI	1.25	546.69
JOB PURPOSE SUBTOTAL					14,833.33
INVOICE SUBTOTAL					14,833.33
DISCOUNT-(BID)					6,480.75
INVOICE BID AMOUNT					8,352.58
*-KANSAS STATE SALES TAX					308.29
*-LIBERAL CITY SALES TAX					62.93
*-SEWARD COUNTY SALES TAX					94.37
<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>					<b>\$8,818.17</b>

RECEIVED  
STATE COMMISSION  
FEB 25 1999  
CONSERVATION DIVISION  
Wichita, Kansas

APPENDIX JOB TKT

ORDER NO. 10900

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.



HALLIBURTON ENERGY SERVICES

1906-Q

CHARGE TO: OIL PRODUCERS INC. OF KANSAS  
 ADDRESS: Box 8647  
 CITY, STATE, ZIP CODE: WICHITA, KS 67208

ORIGINAL - DUNBAR COPY

TICKET

No.

382055 - 3

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>25540</u>	WELL/PROJECT NO. <u>D-2</u>	LEASE <u>SALLEY</u>	COUNTY/PARISH <u>SEWARD</u>	STATE <u>KS</u>	CITY/OFFSHORE LOCATION <u>HAYNE</u>	DATE <u>10-21-98</u>	OWNER <u>SAME</u>
2. <u>25535</u>	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>WELL SITE</u>	ORDER NO.
3.	WELL TYPE <u>02</u>	WELL CATEGORY <u>01</u>	JOB PURPOSE <u>035</u>	WELL PERMIT NO.		WELL LOCATION <u>LAND SEC 29-33S-32W</u>	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS <b>ORIGINAL</b>						

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
			LOC	ACCT	DF			U/M		U/M	
035	000-119		1		42	MILEAGE	20		R/T	3 65	73 00
	000-119		1		42	GREGI MILEAGE	20		R/T	2 15	43 00
	001-016		1		42	PUMP CHARGE	2753	FT			1798 00
	030-016		1		42	S'W TOP PLUG	1	EA	4 1/2 IN	50 00	50 00
	001-018		1		42	ADDITIONAL HRS	3	HRS	1 EA	376 00	1128 00
	12A	825.201	1		42	REG GUIDE SHOE	1	EA	4 1/2 IN	105 00	105 00
	24A	815.19161	1		42	INSERT FLOAT	1	EA	4 1/2 IN	111 00	110 00
	27	815.19111	1		42	FILL UP ASSY	1	EA	1.00 IN	60 00	60 00
	46	806.66004	1		42	CENTRALIZER	4	EA	4 1/2 IN	57 56	236 00
	330	270.16802	1		42	WELD N	1	LB	1 EA	18 93	18 93
	045-050		1		75	DATA ACQUISITION	1	SDR	1 EA	760 00	760 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.

X DATE SIGNED: \_\_\_\_\_ TIME SIGNED: \_\_\_\_\_  
 A.M.  P.M.

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		PAGE TOTAL <u>4389 43</u>
BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE	FROM CONTINUATION PAGE(S) <u>10451</u>
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH <u>14833 33</u>
SPACERS	TREE CONNECTION	TYPE VALVE	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) <u>Bill Siroky</u>	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) <u>X [Signature]</u>	HALLIBURTON OPERATOR/ENGINEER <u>John Wadlow 62573</u>	HALLIBURTON APPROVAL <u>[Signature]</u>
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ORIGINAL



TICKET CONTINUATION

TICKET No. 312055

HALLIBURTON ENERGY SERVICES

CUSTOMER: Oil Producers of Kansas

WELL: SALLEY D-2

11:03 PM  
10/20/98

PAGE OF

TRUCK# (s)	PRICE REFERENCE	SECONDARY REFERENCE / PART NUMBER	ACCOUNTING LOC ACCT DE	DESCRIPTION	QTY U/M	QTY U/M	UNIT PRICE	AMOUNT				
	504-050		92	Premium Plus	125 sk		\$15.69	\$1,961.25				
	504-282		92	Premium Plus Midcon	300 sk		\$18.48	\$5,544.00				
ORIGINAL												
	509-406		92	Calcium Chloride	6 sk		\$46.90	\$281.40				
	509-968		92	Salt	1021 lb.		\$0.18	\$183.78				
	507-775		92	HALAD-322	56 lb.		\$7.70	\$431.20				
	507-210		92	Flocele	75 lb.		\$2.09	\$156.75				
	508-127		92	Cal Seal	5 sk		\$28.00	\$140.00				
	508-291		92	Gilsonite	500 lb.		\$0.58	\$290.00				
	507-970		92	D-AIR-1	25 lb.		\$4.27	\$106.75				
	500-207		92	SERVICE CHARGE	CUBIC FEET	488	1.66	\$810.08				
	500-306		92	MILEAGE CHARGE	TOTAL WEIGHT	43,735	LOADED MILES	20	TON MILES	437.350	1.25	\$546.69

CONTINUATION TOTAL \$ 10,451.90

No. B 330237

ORIGINAL



### JOB SUMMARY 4239-1

# ORIGINAL

TICKET #	382055	TICKET DATE	10-21-98
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REGION	North America	NWA/COUNTRY	Mid CONTINENT	BDA / STATE	KS	COUNTY	Seward
MBU ID / EMP #	L10104 62573	EMPLOYEE NAME	JOHN WOODROW	PSL DEPARTMENT	ZONAL ISOLATION		
LOCATION	LIBERAL KS	COMPANY	OIL PRODUCERS INC.	CUSTOMER REP / PHONE	BRAD SIROKY		
TICKET AMOUNT		WELL TYPE	02	API / UWI #			
WELL LOCATION	N. HAYNE	DEPARTMENT	CEMENT	JOB PURPOSE CODE	035		
LEASE / WELL #	SALLEY D-2	SEC / TWP / RNG	29-33S-32W				

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
J. WOODROW 62573	10						
S. GRANT 44639	10						
C. ASHLEY 44061	10						
D. FULK JO 763	10						

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
52978/77631	20						
52276/7649	20						

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

#### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY	MAKE
Float Collar <u>INSERT</u>	1	H
Float Shoe		
Guide Shoe <u>REG</u>	1	O
Centralizers <u>S-41</u>	4	
Bottom Plug		W
Top Plug <u>S-W</u>	1	
Head <u>P/C</u>	1	C
Packer		
Other		O

#### MATERIALS

Treat Fluid _____	Density _____	Lb/Gal _____
Disp. Fluid _____	Density _____	Lb/Gal _____
Prop. Type _____	Size _____	Lb. _____
Prop. Type _____	Size _____	Lb. _____
Acid Type _____	Gal. _____	% _____
Acid Type _____	Gal. _____	% _____
Surfactant _____	Gal. _____	In _____
NE Agent _____	Gal. _____	In _____
Fluid Loss _____	Gal/Lb _____	In _____
Gelling Agent _____	Gal/Lb _____	In _____
Fric. Red. _____	Gal/Lb _____	In _____
Breaker _____	Gal/Lb _____	In _____
Blocking Agent _____	Gal/Lb _____	Qty. _____
Perpac Balls _____	Qty. _____	
Other _____		
Other _____		
Other _____		
Other _____		

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	10-20-98	10-21-98	10-21-98	10-21-98
TIME	2200	0000		

#### WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	10.5	4 1/2	KB	2753	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
<b>TOTAL</b>		<b>TOTAL</b>		

#### HYDRAULIC HORSEPOWER

ORDERED	Avail.	Used

#### AVERAGE RATES IN BPM

TREATED	Disp.	Overall

FEET 26 CEMENT LEFT IN PIPE Reason INSERT FLOAT

#### CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
	300	DF MIDCON	B	2% CC 1/4" FLOCEL	3.22	11.1
	100	PREM+	B	S.B. EA-2, 18% SAFETY, 5% GILSONITE, 16% UNAD-322	1.55	14.8

Circulating _____	Displacement _____	Preflush: Gal - BBI <u>10</u>	Type <u>H2O</u>
Breakdown _____	Maximum _____	Load & Bkdn: Gal - BBI	Pad: BBI Gal _____
Average _____	Frac Gradient _____	Treatment Gal - BBI	Disp: BBI Gal <u>47.5</u>
Shut In: Instant _____	5 Min _____ 15 Min _____	Cement Slurr Gal - BBI <u>172 LC</u>	27.5 TO
		Total Volume Gal - BBI _____	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE \_\_\_\_\_







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

INVOICE

**HALLIBURTON ENERGY SERVICES**  
 A Division of Halliburton Company

**ORIGINAL**  
 INVOICE NO. 382277 DATE 10/27/199

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
SALLEY D-2		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR		JOB PURPOSE	
LIBERAL		N/A		SHOWN BELOW	
TICKET DATE		10/27/199			
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
446989	CHARLES KREATON			COMPANY TRUCK	4614

OIL PRODUCERS INC. OF KANSAS  
 BOX 8647  
 WICHITA, KS 67208

DIRECT CORRESPONDENCE TO:  
 P O BOX 1598  
 LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - DRILLABLE TOOL SERVICE					
100-115	MILEAGE SPEC. TOOLS ROUND TRIP	20	MI	2.15	43.00
		1	UNT		
	DISCOUNT-(BID)	40.0	%		17.20-
102-012	OPERATOR/SPECIALIST SPEC TOOLS	8	HR	62.50	500.00
		1	MAN		
	DISCOUNT-(BID)	40.0	%		200.00-
117-000	TUBING & ROTARY SUBS-ONSHORE	2	3/8 IN	22.00	22.00
		1	EA		
	DISCOUNT-(BID)	40.0	%		8.80-
128-546	SQUEEZE MANIFOLD			342.00	342.00
		RB	24 HR	PER 24 HR	
		1	EA		
	DISCOUNT-(BID)	40.0	%		136.80-
128-451	WIRELINE 4-1/2" THRU 13-3/8"	1	JOB	83.00	83.00
	DISCOUNT-(BID)	40.0	%		33.20-
128-401	STAR GUIDE ASSEMBLY			121.00	121.00
		1	HR	PER 8 HR	
		1	EA		
	DISCOUNT-(BID)	40.0	%		48.40-
94	EZ DRILL SV SQZ PKR 4 1/2-5"	1	EA	1,117.00	1,117.00
802.339					
116-434	ENVIRONMENTAL FEE	1	EA	13.75	13.75

STATE OF KANSAS  
 COMMISSIONER

FEB 25 1999

CO. NEW YORK DIVISION -  
 Wichita, Kansas

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

AFFIX JOB TKT

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 of 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**  
 A Division of Halliburton Company

ORIGINAL

INVOICE NO.	DATE
382277	10/27/199

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
GALLEY D-2		SEWARD		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
LIBERAL		N/A	SHOWN BELOW		10/27/199
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
646969	CHARLES KREATON			COMPANY TRUCK	4614

OIL PRODUCERS INC. OF KANSAS  
 BOX 8647  
 WICHITA, KS 67208

DIRECT CORRESPONDENCE TO:  
 P O BOX 1598  
 LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	JOB PURPOSE SUBTOTAL				2,241.75
	JOB PURPOSE - RECEMENT				
000-117	MILEAGE CEMENTING ROUND TRIP	20 MI		3.65	73.00
	DISCOUNT-(BID)	1 UNT			
		32.0 %			23.36
000-119	MILEAGE FOR CREW	20 MI		2.15	43.00
	DISCOUNT-(BID)	1 UNT			
		32.0 %			13.76
009-134	CEMENT SQUEEZE	2590 FT		1,929.00	1,929.00
009-019	DISCOUNT-(BID)	1 UNT			
		32.0 %			617.28
045-050	COMPUPAC SYSTEM W/HALLIBURTON	1 JOB		760.00	760.00
	DISCOUNT-(BID)	1 DAY			
		75.0 %			570.00
000-150	ENVIRONMENTAL SURCHARGE	1 JOB		55.00	55.00
504-043	CEMENT - PREMIUM	200 SK		15.34	3,068.00
	DISCOUNT-(BID)	1 UNT			
		32.0 %			981.76
500-207	BULK SERVICE CHARGE	200 CFT		1.66	332.00
	DISCOUNT-(BID)	1 UNT			
		32.0 %			106.24
500-306	MILEAGE CMTG MAT DEL OR RETURN	423.000 TMI		1.25	528.75
	DISCOUNT-(BID)	1 UNT			
		32.0 %			169.20

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

AFFIX JOB TKT

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ORDER NO. 10900

PAGE: 2

CUSTOMER COPY

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



INVOICE

HALLIBURTON ENERGY SERVICES  
A Division of Halliburton Company

ORIGINAL

INVOICE NO.	DATE
382277	10/27/1999

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
SALLEY D-2		SEWARD		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
LIBERAL	N/A	SHOWN BELOW			10/27/1999
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
646969	CHARLES KRETON			COMPANY TRUCK	4814

OIL PRODUCERS INC. OF KANSAS  
BOX 8647  
WICHITA, KS 67208

DIRECT CORRESPONDENCE TO:  
P O BOX 1598  
LIBERAL KS 67901

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	JOB PURPOSE SUBTOTAL				6,788.75
	INVOICE SUBTOTAL				9,030.50
	DISCOUNT-(BID)				2,926.00-
	INVOICE BID AMOUNT				6,104.50
	*-KANSAS STATE SALES TAX				185.64
	*-LIBERAL CITY SALES TAX				37.87
	*-SEWARD COUNTY SALES TAX				56.83
	<b>INVOICE TOTAL - PLEASE PAY THIS AMOUNT</b>				<b>\$6,284.84</b>

10/27/99  
LIBERAL, KS

APPENDIX JOB TKT

ORDER NO. 10900

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 of 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.

PAGE 1





HALLIBURTON  
ENERGY SERVICES

TICKET CONTINUATION

TICKET No. 382277

FORM 1911 R-8

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL		DATE	PAGE OF	UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M				
000-117		2		32		mileage 53557	20	R/T	1 unit		365	73 <sup>00</sup>
000-119		2		32		mileage crew	20	R/T	1 unit		215	43 <sup>00</sup>
009-134	009-019	2		32		Pump Charge	2590	FT	4 hrs			1929 <sup>00</sup>
045-050		2		75		Data Acquisition						760 <sup>00</sup>
000-150		2		0		Environmental Fee						55 <sup>00</sup>
ORIGINAL												
											Sub Total	2860 <sup>00</sup>
											Total	1635 <sup>60</sup>
											Page 3	2671 <sup>55</sup>
SERVICE CHARGE						CUBIC FEET						
MILEAGE CHARGE		TOTAL WEIGHT		LOADED MILES		TON MILES						

*Larry Smith*

CONTINUATION TOTAL

4307.15

2860.00

ORIGINAL

382277

3 3

ORIGINAL

267155

72

3

32

3

32

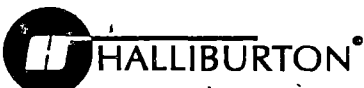
3

RECEIVED  
STATE OF MISSISSIPPI

FEB 25 1955

COMPTROLLER GENERAL  
MONTGOMERY, ALABAMA

MISSISSIPPI STATE ARCHIVES



**JOB SUMMARY** 4239-1

TICKET # **382277** TICKET DATE

REGION <b>North America</b>	NWA/COUNTRY	BDA / STATE	COUNTY
MBU ID / EMP # <b>4208 07653</b>	EMPLOYEE NAME <b>R Crist</b>	PSL DEPARTMENT <b>5002</b>	<b>ORIGINAL</b>
LOCATION <b>Liberal</b>	COMPANY <b>Oil Producers</b>	CUSTOMER REP / PHONE	
TICKET AMOUNT	WELL TYPE <b>02</b>	API / UWI #	
WELL LOCATION	DEPARTMENT <b>5002-5001</b>	JOB PURPOSE CODE <b>667 205</b>	
LEASE / WELL # <b>Salley D-2</b>	SEC / TWP / RNG		

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>R Crist 07653</b>			
<b>M Bolyard 50848</b>			
<b>S Baker 09497</b>			
<b>S Owens 72208</b>			

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>420790</b>	<b>20</b>						
<b>420227</b>	<b>20</b>						
<b>53557</b>	<b>20</b>						

Form Name \_\_\_\_\_ Type: \_\_\_\_\_  
 Form Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Packer Type \_\_\_\_\_ Set At **2590**  
 Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_  
 Misc. Data \_\_\_\_\_ Total Depth \_\_\_\_\_

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	<b>10-26-98</b>	<b>10-26-98</b>	<b>10-26-98</b>	<b>10-26-98</b>
TIME	<b>0900</b>	<b>1800</b>	<b>1525</b>	<b>2000</b>

**TOOLS AND ACCESSORIES**

TYPE AND SIZE	QTY	MAKE
Float Collar		
Float Shoe		
Guide Shoe		
Centralizers		
Bottom Plug		
Top Plug		
Head		
Packer		
Other		

**WELL DATA**

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	<b>N</b>	<b>19.5</b>	<b>4 1/2</b>	<b>+5 KB</b>	<b>2698</b>	
Liner						
Liner						
Tbg/D.P.	<b>4</b>	<b>4.7</b>	<b>2 3/8</b>	<b>+5 KB</b>	<b>2587</b>	
Tbg/D.P.						
Open Hole						SHOTS/FT.
Perforations				<b>2600</b>	<b>2606</b>	<b>2</b>
Perforations						
Perforations						

**MATERIALS**

Treat Fluid	Density	Lb/Gal
Disp. Fluid	Density	Lb/Gal
Prop. Type	Size	Lb.
Prop. Type	Size	Lb.
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perpac Balls	Qty.	
Other		
Other		
Other		
Other		

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
				<b>Run E 250</b>
				<b>on E-148</b>
				<b>2 cement</b>
<b>TOTAL</b>		<b>TOTAL</b>		

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

**CEMENT DATA**

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL

FEB 23 1999

CONSERVATION DIVISION  
Wichita, Kansas

Circulating	Displacement	Preflush:	Gal - BBI	Type
Breakdown	Maximum	Load & Bkdn:	Gal - BBI	Pad: BBI - Gal
Average	Frac Gradient	Treatment	Gal - BBI	Disp: BBI - Gal
Shut In: Instant	5 Min	Cement Slurr	Gal - BBI	
	15 Min	Total Volume	Gal - BBI	

Frac Ring #1 \_\_\_\_\_ Frac Ring #2 \_\_\_\_\_ Frac Ring #3 \_\_\_\_\_ Frac Ring #4 \_\_\_\_\_

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE  
*Charles Huest*



HALLIBURTON

JOB LOG 4239-5

TICKET #	TICKET DATE
BDA / STATE	COUNTY
PSL DEPARTMENT	ORIGINAL
CUSTOMER REP / PHONE	
API / UWI #	JOB PURPOSE CODE

REGION North America,	NWA/COUNTRY
MBU ID / EMP #	EMPLOYEE NAME
LOCATION	COMPANY
TICKET AMOUNT	WELL TYPE
WELL LOCATION	DEPARTMENT
LEASE / WELL #	SEC / TWP / RNG

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

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	1643					500		Load Ann
	1718	2.8				280		INT Rate
	1730							Mix CRT
	1733		37.7					Pump CRT
	1746							Displace
	1757	1/2	7					Shut Down
	1816	1/4	1			280	500	Pump
	1822					500	500	Shut down string out
								2 Rev out
	1840							Job complete

RECEIVED  
 SEP 25 1971  
 CONSERVATION DIVISION  
 Wichita, Kansas



# ALLIED CEMENTING CO., INC. 7685

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:  
med. lodge, ks.

DATE <u>10-18-98</u>	SEC. <u>29</u>	TWP. <u>33</u>	RANGE <u>32</u>	CALLED OUT <u>8:00 A.m.</u>	ON LOCATION <u>12:30 P.m.</u>	JOB START <u>1:45 P.m.</u>	JOB FINISH <u>3:00 P.m.</u>
LEASE <u>Salley's</u> WELL # <u>2</u>		LOCATION <u>83+51 Fct. 25-5E-1/2n</u>		COUNTY <u>Seward</u>	STATE <u>Ks.</u>		
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR UAI Energy  
 TYPE OF JOB Surface Csg.  
 HOLE SIZE 12 1/4 T.D. 471'  
 CASING SIZE 8 5/8 x 24 DEPTH 463'  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 300 MINIMUM 100  
 MEAS. LINE SHOE JOINT 43.80  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT 26 1/4 Bbs

OWNER Oil Producers Inc. of Ks.

CEMENT  
 AMOUNT ORDERED 2355xs. ALW+3% CACL2  
1/4# Flo-Seal. 1255xs. CLASS A + 2% Gel  
3% CACL2

EQUIPMENT  
 PUMP TRUCK CEMENTER Arny Dreiling  
 # 343 HELPER Justin Hart  
 BULK TRUCK  
 # 257-251 DRIVER James Holt  
 BULK TRUCK  
 # DRIVER

COMMON A	<u>125</u>	@	<u>7.55</u>	<u>943.75</u>
POZMIX		@		
GEL	<u>2</u>	@	<u>9.50</u>	<u>19.00</u>
CHLORIDE	<u>12</u>	@	<u>28.00</u>	<u>336.00</u>
ALW	<u>235</u>	@	<u>7.05</u>	<u>1656.75</u>
FLO-SEAL	<u>59#</u>	@	<u>1.15</u>	<u>67.85</u>
		@		
		@		
HANDLING	<u>360</u>	@	<u>1.20</u>	<u>432.00</u>
MILEAGE	<u>360 x 42</u>		<u>.04</u>	<u>604.80</u>

TOTAL \$4060.15

REMARKS:

SERVICE

Pipe on Bottom - Break Circ.  
mix + Pump 2355xs. ALW + 3% CACL2  
1/4# Flo-Seal. 1255xs. CLASS A + 2% Gel  
3% CACL2. Stop Pumps. Release Plug.  
Pump + Displace Plug w/ 26 1/4 Bbs. Fresh  
HP. Bump Plug. Shut In.  
Cement Circ. to Surface

DEPTH OF JOB	<u>463'</u>			
PUMP TRUCK CHARGE	<u>0-300'</u>			<u>560.00</u>
EXTRA FOOTAGE	<u>163'</u>	@	<u>.50</u>	<u>81.50</u>
MILEAGE	<u>22</u>	@	<u>2.85</u>	<u>62.70</u>
PLUG RUBBER	<u>8 5/8"</u>	@	<u>90.00</u>	<u>90.00</u>
		@		
		@		

TOTAL \$794.20

CHARGE TO: Oil Producers Inc. of Ks.  
 STREET P.O. Box 8647  
 CITY WICHITA STATE KANSAS ZIP 67208

FLOAT EQUIPMENT

1-Baffle Plate	@	<u>135.00</u>	<u>135.00</u>
	@		
	@		
	@		

TOTAL \$135.00

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

CONSERVATION DIVISION  
 Wichita, Kansas  
 TAX \_\_\_\_\_  
 TOTAL CHARGE 4989.35  
 DISCOUNT 748.40 IF PAID IN 30 DAYS  
 NET # 4240.95  
 x Dale Smith  
 PRINTED NAME

SIGNATURE x Dale Smith

OIL PRODUCERS INC., OF KS.  
INITIAL COMPLETION REPORT

WELL - SALLY D #2

LEGAL - C-NW/4 OF 29-33s-32w IN SEWARD CO. KS.

API# - 15-175-21,758

G.L. - 2654'

K.B. - 5' ABOVE G.L. @ 2659'

SURFACE CSN - 8 5/8" @ 463' WITH 360 SX.

RTD - 2750'

LTD - NO OPEN HOLE LOG RAN

PRODUCTION CSN - 4 1/2", 10.5# @ 2749' WITH 300 SX MID CON AND 100 SX EA-2.

PBTD - 2698' (ELI 10/26/98), CEMENT RETAINER @ 2590'. (2583' BY TBG TALLY 10/30/98)

TOP OF CEMENT - CIRCULATED TO SURFACE WITH EXCELLENT BONDING ACROSS PAY ZONES.

PERFORATIONS

HERINGTON-----	2493'-2503'	1 SHOT/FT.	10/27/98
KRIDER-----	2524'-2534'	1 SHOT/FT.	10/27/98
KRIDER-----	2538'-2548'	1 SHOT/FT.	10/27/98
WINFIELD-----	2600'-2606'	2 SHOT/FT.	10/26/98 SQZ'D W/200 SX UNDER PLUG

TUBING RAN - 15.25' MA, SN, 78 JTS. 2 3/8" (2532.49')

TUBING SET @ - 2551.84' (SET 31' OFF BOTTOM 10/30/98)

AVERAGE TBG JT. - 32.46'

PUMP RAN -

RODS RAN

PUMP SET @ - 2536.59'

PUMPING UNIT - JENSEN - 25 LOW PROFILE, S.N.-11E-0011-9802008

MOTOR - 10 HP ELECTRIC

SURFACE EQUIPMENT - AMERICAN VERTICAL SEPARATOR, 30" X 10', 125# WP, MAN DUMP.  
12' X 6' 200 BBL FIBERGLASS CLOSED TOP.

STATE OF KANSAS  
STATE CORPORATION COMMISSION

FEB 25 1999

CONSERVATION DIVISION  
Wichita, Kansas

10/26/98

KIOWA WELL SERVICE ON LOCATION, RIGGED UP D-D DERRICK.  
 ELI WIRELINE ON LOCATION TO RUN GAMMA RAY, NEUTRON, CORRELATION & SONIC CEMENT BOND LOG.

FOUND TOTAL DEPTH - 2698' (THIS IS 24' HIGH TO TOP OF INSERT @ 2722')

FOUND TOP OF CEMENT - CIRCULATED TO SURFACE WITH EXCELLENT CEMENT BONDING.

KIOWA SWABBED WELL DOWN TO 2200' FROM SURFACE.  
 ELI RIGGED TO PERFORATE PROPOSED INTERVAL IN WINFIELD ZONE.  
PERFORATED WINFIELD - 2600'-2606' WITH 2 SHOTS/FT.

KIOWA SWABBED WELL DOWN TO TTL DEPTH.  
½ HR. NATURAL TEST - RECOVERED 50' WATER. NO SHOW GAS.

HALLIBURTON ON LOCATION TO ACIDIZE WINFIELD PERFS WITH 750 GALS 15% DSFE ACID.

**ACIDIZE WINFIELD AS FOLLOWS:**

PUMP 750 GALS 15% DSFE ACID.  
 LOAD HOLE WITH 25 BBLs KCL WATER.  
 PRESSURED TO 1500 psi & BROKE BACK.  
 DISPLACED ACID @ 6 BPM - 260 psi TO 240 psi  
ISIP - VAC, TOTAL LOAD - 59 BBLs.

KIOWA RIGGED TO SWAB BACK ACID LOAD & TEST WINFIELD AFTER ACID.

**TEST WINFIELD AFTER ACID AS FOLLOWS:**

FOUND FLUID LEVEL @ 200' FROM SURFACE.  
 SWAB WELL DOWN & RECOVERED 46 BBLs.  
½ HR. TEST - RECOVERED 100' WATER, NO SHOW OF GAS.

ELI WIRELINE ON LOCATION TO SET HALLIBURTON EZSV 4 1/2" CEMENT RETAINER.  
SET EZSV - 2590'

HALLIBURTON ON LOCATION W/EZSV STINGER.  
RJH - WITH STINGER AND TUBING. STING INTO RETAINER @ 2590'.

HALLIBURTON ON LOCATION TO SQUEEZE WINFIELD PERFORATIONS WITH 200 SX CLASS-H CEMENT TO MINIMIZE RISK OF WATER ENCROACHMENT FROM WINFIELD TO HERINGTON AND KRIDER FORMATIONS.

**SQUEEZE WINFIELD PERFS AS FOLLOWS:**

ESTABLISH INJECTION RATE @ 2 BPM - 400 psi.  
 MIX & PUMP 200 SX CLASS-H CEMENT.  
 SQUEEZE WINFIELD TO 700 psi.  
 PULL OUT OF STINGER AND REVERSE CIRCULATE CLEAN.  
 SHUT DOWN FOR THE NIGHT.

10/27/98

KIOWA ON LOCATION. POOH - WITH TUBING AND STINGER. SWABBED WELL DOWN TO 2200'.

ELI WIRELINE ON LOCATION TO PERFORATE PROPOSED INTERVALS IN HERINGTON AND KRIDER ZONES.

STATE OF OREGON  
 DEPARTMENT OF REVENUE

NOV 25 1998

CLERK OF COURT  
 Multnomah County

ORIGINAL

10/27 CONT.

PERFORATE HERINGTON-----2493'-2503' WITH 1 SHOT/FT.  
PERFORATE KRIDER-----2524'-2534' WITH 1 SHOT/FT.  
PERFORATE KRIDER-----2538'-2548' WITH 1 SHOT/FT.

KIOWA SWABBED WELL DOWN TO TTL DEPTH.  
½ HR. NATURAL TEST - RECOVERED NO FLUID OR GAS.

HALLIBURTON ON LOCATION TO ACIDIZE HERINGTON AND KRIDER WITH 1500 GALS 15% DSFE AND 40 BALL SEALERS.

**ACIDIZE HERINGTON AND KRIDER AS FOLLOWS:**

PUMP 500 GALS 15% DSFE ACID.  
PUMP 1000 GALS 15% DSFE ACID WITH 1 BALL SEALER/25 GALS. (40 BALLS)  
LOAD HOLE WITH 7 BBLs KCL WATER.  
PRESSURE TO 210 psi & STARTED FEEDING.  
DISPLACE 500 GALS @ 5 BPM - 40 psi.  
DISPLACE 650 GALS @ 5 BPM - 40 psi TO 1500 psi. (BALLED OFF)  
ISIP - 100 psi, VAC - 30 SECONDS, TTL LOAD - 79 BBLs.

KIOWA RIGGED TO SWAB BACK ACID LOAD AND TEST HERINGTON AND KRIDER AFTER ACID.

**TEST HERINGTON AND KRIDER AFTER ACID AS FOLLOWS:**

FOUND FLUID LEVEL @ 400' FROM SURFACE.  
SWAB 42 BBLs AND WELL KICKED OFF FLOWING.  
½ HR. FLOW - RECOVERED 8 BBLs AND WELL DIED. START SWABBING EACH ½ HR.  
½ HR. SWAB TEST - RECOVERED 2.50 BBLs. MEASURED GAS @ 57 MCFPD.  
½ HR. SWAB TEST - RECOVERED 2.50 BBLs. MEASURED GAS @ 48 MCFPD.  
½ HR. SWAB TEST - RECOVERED 2.25 BBLs. MEASURED GAS @ 53 MCFPD.  
SHUT DOWN FOR THE NIGHT.

10/28/98

SICP - 305 psi, SBHP - CALCULATES 330 psi (ASSUMING NO FLUID)

HALLIBURTON ON LOCATION TO FRACTURE HERINGTON AND KRIDER PERFORATIONS WITH 16,000# 16/30 SAND AND 14,206 GALS 70% N2 FOAM.

**FRACTURE HERINGTON AND KRIDER AS FOLLOWS:**

PUMP 4000 GALS 70% N2 FOAM PAD AND ESTABLISH INJECTION RATE @ 11 BPM - 950 psi.  
PUMP 2000# 16/30 SAND @ 1 PPG (2000 GALS) @ 11 BPM - 910 psi  
PUMP 3000# 16/30 SAND @ 1.5 PPG (2000 GALS) @ 11 BPM - 920 psi  
PUMP 5000# 16/30 SAND @ 2 PPG (2500 GALS) @ 11 BPM - 907 psi.  
PUMP 6000# 16/30 SAND @ 3 PPG (2000 GALS) @ 11 BPM - 850 psi  
CUT SAND AND DISPLACE WITH 1706 GALS 70% N2 FOAM @ 10 BPM - 850 psi.  
ISIP - 1050 psi, 5 MIN SIP - 960 psi, 10 MIN SIP - 850 psi, 15 MIN SIP - 820 psi.  
TTL LOAD - 14,206 GALS 70% N2 FOAM. TTL LIQUID LOAD - 108 BBLs.  
TTL SAND - 16,000# 16/30 SAND, TTL N2 - 120,000 SCF.  
HALLIBURTON RIGGED DOWN & MOVED OFF LOCATION.

LEFT WELL SHUT IN FOR 1 ½ HRS. RIGGED UP FLOW LINE WITH 3/4" CHOKE NIPPLE.

**TEST HERINGTON & KRIDER PERFS AFTER FRAC AS FOLLOWS:**

START FLOWING WELL VIA 3/4" CHOKE NIPPLE. CSN# - 510 psi  
½ HR. FLOW - WELL FLOWING 30 MINUTES & DIED. RIG UP TO SWAB.  
SWAB 2 HRS. TO PIT, WELL KICKED OFF FLOWING.  
FLOW TO PIT FOR 1 HR. TO CLEAN UP.

REF. AND  
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OFFICE OF THE COMMISSIONER  
WICHITA, KANSAS

10/28 CONT.

TESTING HERINGTON & KRIDER AS FOLLOWS CONT.

1 HR. FLOW TEST - RECOVERED 10 BBLS, MEASURE GAS @ 448 MCFPD.  
 1 HR. FLOW TEST - RECOVERED 6 BBLS, MEASURE GAS @ 522 MCFPD.  
 SHUT DOWN FOR THE NIGHT.

10/29/98

SICP - 320 psi, SBHP - CALCULATES 346 psi (ASSUMING NO FLUID)  
 BLOW WELL DOWN, WELL STARTED FLOWING.

CONTINUE FLOW TESTING HERINGTON & KRIDER AFTER FRAC AS FOLLOWS:

1 HR. FLOW TEST - RECOVERED 11 BBLS, MEASURED GAS @ 708 MCFPD.  
 1 HR. FLOW TEST - RECOVERED 6 BBLS, MEASURED GAS @ 662 MCFPD.  
 1 HR. FLOW TEST - RECOVERED 6 BBLS, MEASURED GAS @ 619 MCFPD.  
 1 HR. FLOW TEST - RECOVERED 5 BBLS, MEASURED GAS @ 619 MCFPD.  
 1 HR. FLOW TEST - RECOVERED 5 BBLS, MEASURED GAS @ 662 MCFPD.  
 1 HR. FLOW TEST - RECOVERED 3 BBLS, MEASURED GAS @ 619 MCFPD.  
 1 HR. FLOW TEST - RECOVERED 2 BBLS, MEASURED GAS @ 619 MCFPD.  
 1 HR. FLOW TEST - RECOVERED 2 BBLS, MEASURED GAS @ 662 MCFPD.  
 1 HR. FLOW TEST - RECOVERED 2 BBLS, MEASURED GAS @ 619 MCFPD.  
 SHUT DOWN FOR THE NIGHT.

10/30/98

BLOW WELL DOWN. NICHOLS ON LOCATION WITH HIGH PRESSURE WATER TRUCK TO KILL WELL WITH 30 BBLS TREATED WATER.

KIOWA RIGGED UP 4 1/2" SAND PUMP. CLEANED OUT WELL BORE OF FRAC SAND AND 25 BALL SEALERS.

KIOWA RIGGED TO RUN PRODUCTION TUBING.

RAN PRODUCTION TUBING AS FOLLOWS:

MUD ANCHOR X 2 3/8"	15.25'
SEATING NIPPLE X 2 3/8"	1.10'
78 JTS. USED T&D 2 3/8" TUBING	2532.49'
K.B. (5' < 2' ABOVE G.L.)	3.00'
TUBING SET @	2551.84'
SEATING NIPPLE SET @	2536.59'

TAGGED TTL DEPTH @ 2583' (BY TBG TALLY) PICKED UP & SET TBG 31' OFF BOTTOM.

KIOWA RIGGED TO RUN PRODUCTION BOTTOM HOLE PUMP & RODS.

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'
100 - 3/4" INSPECTED RODS	2500.00'
4' X 3/4" ROD SUB	4.00'
1 1/4" X 16' POLISHED ROD	16.00'
PUMP SET @	2536.59'

CLAMPED RODS OFF. KIOWA RIGGED DOWN & MOVED OFF LOCATION

STATE OF KANSAS

10/30/98

CONROY & COMPANY  
 Wichita, Kansas

ORIGINAL

GABEL LEASE SERVICE WILL LAY 2" POLY PIPE GAS LINE TO BE HOOKED UP TO ANADARKO PIPELINE NEXT WEEK @ SALLEY #1 LOCATION.  
WILL SET VERTICAL SEPARATOR AND 200 BBL FIBERGLASS WATER TANK @ SALLEY #1 LOCATION ALSO.  
THIS WELL SHOULD BE IN PRODUCTION WITHIN THE NEXT 2 WEEKS DEPENDING UPON WHEN ANADARKO SETS OUR SALES METER AND RUN.  
THIS WELL SHOULD MAKE A NICE GAS PRODUCER.  
ANTICIPATED GAS VOLUMES SHOULD BE APPROX 250 MCFPD ON LINE.

END OF REPORT

BRAD SIROKY

RECEIVED  
STATE OF KANSAS

FEB 25 1994

CONCRETE DIVISION  
WICHITA, Kansas