

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-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: WICHITA INDUSTRIAL

Operator Contact Person: DIANA RICHECKY

Phone (316) 681-0231

Contractor: Name: PICKRILL DRILLING CO., INC

License: 5123

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 PSTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

05/14/98 _____ 05/21/98 _____ 06/05/98 _____

Spud Date _____ Date Reached TD _____ Completion Date _____

SIDE ONE

API NO. 15- 097-21429-0000 ORIGINAL

County KIOWA

- SE - SE - NW Sec. 34 Twp. 29 Rge. 19 ^E ^W

3080 Feet from N (circle one) Line of Section

3080 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 SMITH-UNRUH Well # 1

Field Name ALFORD

Producing Formation MISSISSIPPI DOLOMITE

Elevation: Ground 2345 KB 12350

Total Depth 5235' PBDT 5192'

Amount of Surface Pipe Set and Cemented at 605

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
(Data must be collected from the Reserve Pit) *Att. 1, 7-6-98 JC*

Chloride content 2880 ppm Fluid volume 320 bbls

Dewatering method used: EVAPORATION AND RESTORE SITE

Location of fluid disposal if hauled offsite: _____

Operator Name Oil Producers, Inc. of Ks

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. 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 6/19/98

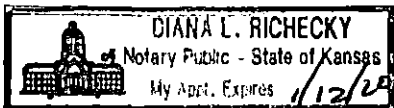
Subscribed and sworn to before me this 19th of June 1998.

Notary Public Diana L. Richecky

Date Commission Expires Jan 12, 2000

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

Form ACO-1 (7-91)



STATE OF KANSAS
JUN 22 1998
6-22-1998

Operator Name Oil Producers, Inc. of Kansas Lease Name SMITH-UNRUH Well # 1 **ORIGINAL**
 Sec. 34 Twp. 29S Rge. 19 East West County KIOWA

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<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	HEEBNER	4289'	-1939'
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BROWN LIME	4468'	-2118'
(Submit Copy)		LANSING KANSAS CITY	4488'	-2138'
List All E.Logs Run:		STARK SHALE	4766'	-2416'
		MISSISSIPPI	5103'	-2753'
		RTD	5235'	-2885'
		GEOLOGICAL LOG, GAMMA RAY NEUTRON /CCL LOG, GAMMA RAY CORRELATION CEMENT BOND 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#	605	MID-CON	130	3% CC, 4# Floeal
PRODUCTION	7 7/8	4 1/2"	10.5 #	5235	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)	
		Amount	Depth
2	5102-5132'	SEE ATTACHED INITIAL COMPLETION REPORT	same
		1000 gal. 15% DSFE	
		2500 gal. 15% SGA +	
		2500 gal. gelled water.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	5166.30'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. _____ Producing Method _____ X
 estimated to be by 7/1/98
 Estimated Production Oil Bbls. Gas 300mcfpd Mcf Water BWPD Bbls. Flowing Pumping Gas Lift Other (Explain) Gravity
 Gas-Oil Ratio _____

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

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

Production Interval 5102-5132'

RECEIVED
 JUN 22 1998

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

INVOICE NO.	DATE
394851	05/15/1998

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
MITH UNRUH 1		KIOWA		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
RATT	PICKRELL DRILLING	SHOWN BELOW			05/15/1998
CCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
46989	MIKE KERN			COMPANY TRUCK	41469

ORIGINAL

OIL PRODUCERS INC. OF KANSAS
 C/O MR. BRAD SIROKY
 1302 E. THIRD STREET
 PRATT, KS 67124-8195

DIRECT CORRESPONDENCE TO:
 P O BOX 963
 PRATT KS 67124
 316-672-5593

15-097-21429

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	RICING AREA - MID CONTINENT				
	OB PURPOSE - CEMENT SURFACE CASING				
000-117	MILEAGE CEMENTING ROUND TRIP	42 MI		3.65	153.30
		1 UNT			
000-119	MILEAGE FOR CREW	42 MI		2.15	N/C
		1 UNT			
001-016	CEMENTING CASING	609 FT		1,630.00	1,630.00
		1 UNT			
030-016	CEMENTING PLUG 5W ALUM TOP	8 5/8 IN		132.00	132.00 *
		1 EA			
40	CENTRALIZER-8-5/8 X 12-1/4	1 EA		95.00	95.00 *
806.60059					
24A	INSERT FLOAT VALVE - 8 5/8"8RD	1 EA		207.00	207.00 *
815.19502					
27	FILL-UP UNIT 7"- 8 5/8"	1 EA		81.00	81.00 *
815.19415					
320	BASKET-CMT-B 5/8 CSG X 21"-SLP	1 EA		146.00	146.00 *
806.71460					
504-280	MIDCON-2 STANDARD CEMENT	130 SK		14.17	1,842.10 *
504-136	CEMENT - 40/60 POZMIX STANDARD	65 SK		8.71	566.15 *
507-210	FLOCELE	65 LB		2.09	135.85 *
509-406	ANHYDROUS CALCIUM CHLORIDE	6 SK		46.90	281.40 *
500-207	BULK SERVICE CHARGE	219 CFT		1.66	363.54 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	389.47 TMI		1.25	486.84 *
	JOB PURPOSE SUBTOTAL				6,120.18
	INVOICE SUBTOTAL				6,120.18

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

FFIX 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.

ORDER NO. 10900

PAGE: 1

CUSTOMER COPY

INVOICE



HALLIBURTON ENERGY SERVICES
A Division of Halliburton Company

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

INVOICE NO.	DATE
394851	05/15/1998

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
MITH UNRUH 1		KIOWA		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT		PICKRELL DRILLING	SHOWN BELOW		05/15/1998
CCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
46989	MIKE KERN			COMPANY TRUCK	41469

ORIGINAL

DIRECT CORRESPONDENCE TO:

OIL PRODUCERS INC. OF KANSAS
C/O MR. BRAD SIROKY
1302 E. THIRD STREET
PRATT, KS 67124-8195

P O BOX 963
PRATT KS 67124
316-672-5593

15-097-21429

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	DISCOUNT-(BID)				3,304.58-
	INVOICE BID AMOUNT				2,815.60
	*-KANSAS STATE SALES TAX				106.25
	*-PRATT COUNTY SALES TAX				21.70
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$2,943.55

DUN 2 2 1998

FFIX 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.

ORDER NO. 10900

PAGE: 2



CHARGE TO
Oil Producers of KS Inc
 ADDRESS
2400 N wood lawn, Ste 115 PO Box 8647
 CITY, STATE, ZIP CODE
Wichita KS 67208-8674

CUSTOMER COPY

TICKET

No. **ORIGINAL**

394851 - 6

PAGE 1 OF 2

1906-Q

SERVICE LOCATIONS 1. Pratt KS	WELL/PROJECT NO. #1	LEASE Smith-Uncub	COUNTY/PARISH Kiowa	STATE KS	CITY/OFFSHORE LOCATION	DATE 5-15-98	OWNER Same
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Pickrell Drlg	RIG NAME/NO.	SHIPPED VIA Hour	DELIVERED TO Loc	ORDER NO.
3.	WELL TYPE 02	WELL CATEGORY 01	JOB PURPOSE 010	WELL PERMIT NO.	WELL LOCATION Land		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS API # 15097214290000						

010122 MILE
 010122 MILE

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
			LOC	ACCT	DF							
010	000-117		1			MILEAGE 53387 # RD TP	42		mi		365	153.30
	000-119		1			Crew mileage 421269 # RDTP	42		mi		215	01C
	001-016		1		65	Pump Charge	609		ft	4 hrs	1630	1630
	030-016		1			Top Swiper Plug	1		ea	8.625 in	132	132
	40	806.60059	1			Centralizer 5-4	1		ea	" "	95	95
	24-A	815.19508	1			Insert Float Valve 8rd	1		ea	" "	207	207
	27	815.19415	1			Fill-up Assy	1		ea		81	81
	320	806.71460	1			Cmt Basket Canvas	1		ea	8.625 in	268 146	268 146
			1			Bulk Tank # 100278						3675.88

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.

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		PAGE TOTAL 6442-18
BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE	FROM CONTINUATION PAGE(S)
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH
SPACERS	TREE CONNECTION	TYPE VALVE	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE 6120.18

X
 DATE SIGNED: **5-15-98** TIME SIGNED: **1100**
 A.M. P.M.
 do do not require IPC (Instrument Protection). Not offered

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) Ro Kavn	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X [Signature]	HALLIBURTON OPERATOR/ENGINEER David L Scott	EMP # B9475	HALLIBURTON APPROVAL DL Scott
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Halliburton Energy Services

ORIGINAL

15-097-21429

DATE:05-15-1998 TIME:05:28:55 SERVICE TICKET: 394851
PRATT-25555 BULK TICKET ONLY: 100278

JOB PURPOSE: SURFACE COMPANY TRUCK::52530 DRIVER: D. PETERSON

CUSTOMER: OIL PRODUCERS OF KS INC. LEASE & WELL#: SMITH-UNRUH #1

Table with 6 columns: Item ID, Description, Quantity, Unit, Price, Total. Includes items like MIDCON CEMENT, POZMIX CEMENT, FLOCELE, CALCIUM CHLORIDE, SERVICE CHARGES, and WEIGHT/MILES information.

500-225 RETURN SERVICE CHARGES CU FT 1.66
500-306 WEIGHT: RETURN MILES: 42 TON MILES: 1.25

RECEIVED
STATE OF KANSAS
JUN 22 1998

JOB LOG

ORDER NO. 70006

TICKET #	TICKET DATE
BDA / STATE	COUNTY
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	15-097-21429
JOB PURPOSE CODE	

Region	North America	NWA/COUNTRY	
BUID / 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 (BBLS/GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	0930							Called Out
	0900							On Loc w/ Trk's Safety mtg Rig Drlg Rat hole Ahead St Csg Csg on Bottom Drop Ball + Break Circ w/Rig Rig up Howco PSI Test Iron OK H2O Spacer
	1431	6	5			✓	120	
	1433	6				✓	150	St mixing head - (mt @ 11.1 ppg) + 30 sk's
	1443	6	75.2			✓	100	St mixing Tail (mt @ 14.1 ppg) 65 sk's
	1445	0	14.8			✓	0	Finish mixing (mt) Release Top Swiper Plug
	1447	6				✓	100	St Disp w/H2O
	1453	2	30			✓	215	(mt) Circ Decrease Rate 30 Bbl's Out
	1458	0	37.1			✓	500	Plug Down
	1500					✓	0	Release PSI Float Held Circ 7 Bbl's (mt) = 12 sk's ✓

Job Complete
Thank You
Scotty

CUSTOMER COPY

INVOICE



HALLIBURTON ENERGY SERVICES
A Division of Halliburton Company

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

INVOICE NO.	DATE
394854	05/22/1998

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
SMITH UNRUH 1		KIOWA		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT		PICKRELL DRILLING	SHOWN BELOW		05/22/1998
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
46989	BRAD SIROKY			COMPANY TRUCK	41815

ORIGINAL

OIL PRODUCERS INC. OF KANSAS
C/O MR. BRAD SIROKY
1302 E. THIRD STREET
PRATT, KS 67124-8195

DIRECT CORRESPONDENCE TO:
P O BOX 963
PRATT KS 67124
316-672-5593

15-097-21429

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
JOB PURPOSE - CEMENT PRODUCTION CASING					
000-117	MILEAGE CEMENTING ROUND TRIP	84	MI	3.65	306.60
		1	UNT		
000-119	MILEAGE FOR CREW	84	MI	2.15	N/C
		1	UNT		
001-016	CEMENTING CASING	5234	FT	2,422.00	2,422.00
		1	UNT		
018-317	SUPER FLUSH	12	SK	112.00	1,344.00
019-303	CLAYFIX II, PER GAL	2	GAL	32.65	65.30
26	INSERT VALVE F. S.- 4 1/2"	1	EA	339.00	339.00
847.6316					
27	FILL-UP UNIT 4 1/2"-5"	1	EA	60.00	60.00
815.19113					
40	CENTRALIZER 4-1/2 X 7-7/8	5	EA	59.00	295.00
806.60004					
594	4 1/2" LATCH DOWN BAFFLE	1	EA	116.00	116.00
801.03734					
593	3-WIPER L-D PLUG - 4 1/2"	1	EA	184.00	184.00
801.0373					
504-308	CEMENT - STANDARD	100	SK	12.13	1,213.00
504-130	CEMENT - 50/50 POZMIX STANDARD	35	SK	8.23	288.05
507-918	GASSTOP	47	LB	41.30	1,941.10
507-775	HALAD-322	71	LB	7.70	546.70
509-968	SALT	900	LB	.18	162.00
507-970	D-AIR 1, POWDER	25	LB	4.27	106.75
508-291	GILSONITE BULK	500	LB	.58	290.00
508-127	CAL SEAL 60	5	SK	28.00	140.00
500-207	BULK SERVICE CHARGE	165	CFT	1.66	273.90
500-306	MILEAGE CMTG MAT DEL OR RETURN	302.06	TMI	1.25	377.58

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

AFFIX JOB TRK

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
INVOICE



HALLIBURTON ENERGY SERVICES
A Division of Halliburton Company

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

INVOICE NO.	DATE
394854	05/22/1998

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
MITH UNRUH 1	KIOWA	KS	SAME

SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
RATT	PICKRELL DRILLING	SHOWN BELOW	05/22/1998

ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
46989	BRAD SIROKY			COMPANY TRUCK	41815

ORIGINAL

OIL PRODUCERS INC. OF KANSAS
C/O MR. BRAD SIROKY
1302 E. THIRD STREET
PRATT, KS 67124-8195

DIRECT CORRESPONDENCE TO:
P O BOX 963
PRATT KS 67124
316-672-5593

15-097-21429

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	JOB PURPOSE SUBTOTAL				10,470.98
	INVOICE SUBTOTAL				10,470.98
	DISCOUNT-(BID)				3,245.96-
	INVOICE BID AMOUNT				7,225.02
	*-KANSAS STATE SALES TAX				208.63
	*-PRATT COUNTY SALES TAX				42.59
	INVOICE TOTAL - PLEASE PAY THIS AMOUNT				67,476.24

MAY 22 1998

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.



CHARGE TO
Oil Producers of KS Inc
 ADDRESS
PO Box 8647
 CITY, STATE, ZIP CODE
31 Wichita KS 67208-8647

CUSTOMER COPY
 No. **394854 - 9**
ORIGINAL
 PAGE 1 OF 2

SERVICE LOCATIONS 1. Pratt KS	WELL/PROJECT NO. #1	LEASE Smith-Uncub	COUNTY/PARISH Kiowa	STATE KS	CITY/OFFSHORE LOCATION	DATE 5.22.98	OWNER Same
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE	NITROGEN JOB? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	CONTRACTOR Pickrell Drly	RIG NAME/NO.	SHIPPED VIA 16000	DELIVERED TO Loc	ORDER NO.
3.	WELL TYPE 02	WELL CATEGORY 01	JOB PURPOSE 035	WELL PERMIT NO.	WELL LOCATION Land		
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS API# 15097214290000						

JOB PURPOSE	PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
			LOC	ACCT	DF							
035	000-117		1			MILEAGE 53387 # RD TP	84	mi			3 65	306 60
	000-119		1			Crew mileage 42269 # RD TP	84	mi			2 15	w/c
	001-016		1			Pump Charge 1 Trk	5234	ft	4	hrs	2422 -	2422 -
	018.317		1			Super Flush	12	sk's			112 -	1344 -
	018.303		1			Clay-Fix II	2	gal			32 65	65 30
	27	847.6316	1			Insert Valve Float Shoe	1	ea	4.5	in	339 -	339 -
	40	815.19113	1			Fill-up Unit	1	ea			60 -	60 -
	594	806.6004	1			Centralizers S-4	5	ea	4.5	in	59 -	295 -
	593	801.03734	1			Latch Down Baffle	1	ea	"	"	116 -	116 -
		801.0373	1			Latch Down Plug	1	ea	"	"	184 -	184 -
			1			Bulk Trk # 100281						5339 08

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.

TYPE LOCK	SUB SURFACE SAFETY VALVE WAS: <input type="checkbox"/> PULLED & RETURN <input type="checkbox"/> PULLED <input type="checkbox"/> RUN		PAGE TOTAL 10,470 98
BEAN SIZE	TYPE OF EQUALIZING SUB.	CASING PRESSURE	FROM CONTINUATION PAGE(S)
DEPTH	TUBING SIZE	TUBING PRESSURE	WELL DEPTH
SPACERS	TREE CONNECTION	TYPE VALVE	SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE

DATE SIGNED: **5.22.98** TIME SIGNED: **1900** A.M. P.M.

do do not require IPC (Instrument Protection) Not offered

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) BRAN Siroler	CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE) X	HALLIBURTON OPERATOR/ENGINEER David L Scott	EMP # B9475	HALLIBURTON APPROVAL DLScott
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ORIGINAL

Halliburton Energy Services

JUN 22 1998
1998
Kansas

15-097-21429

DATE:05-21-1998

TIME:18:01:54

SERVICE TICKET: 394854

PRATT-25555

BULK TICKET ONLY: 100281

JOB PURPOSE:LONG STRING

COMPANY TRUCK::52530 DRIVER: D. PETERSON

CUSTOMER: OIL PRODUCERS OF KS INC LEASE & WELL#:SMITH-UNRUH #1

504-308	STANDARD CEMENT	100	SKS.	12.13	1213.00
504-130	POZMIX-A CEMENT	35	SKS.	8.23	288.05
507-918	GASSTOP ✓	47	LBS.	41.30	1941.10
507-775	HALAD-322 ✓	71	LBS.	7.70	546.70
509-968	W/W SALT ✓	900	LBS.	0.18	162.00
507-970	D-AIR ✓	25	LBS.	4.27	106.75
508-291	GILSONITE ✓	500	LBS.	0.58	290.00
508-127	EA-2 ✓	5	SKS.	28.00	140.00
500-207	SERVICE CHARGES	165	CU FT	1.66	273.90
					TOTAL 4961.50
500-306	WEIGHT: 14384	MILES: 42	TON MILES: 302.06	1.25	377.58
					TOTAL BOOK PRICE OF BULK TICKET: \$ 5339.08

500-225 RETURN SERVICE CHARGES _____ CU FT 1.66

500-306 WEIGHT: _____ RETURN MILES: 42 TON MILES: _____ 1.25

JOB SUMMARY ORIGINAL

TICKET # **394854** TICKET DATE **5-22-98**
 ORDER NO. **74006**
 REGION **North America** NWA/COUNTRY **Mid Cont** BDA / STATE **Ks** COUNTY **Howa**
 MBU ID / EMP # **DROS03 B9495** EMPLOYEE NAME **DL Scott** PSL DEPARTMENT **SHM**
 LOCATION **Pratt KS** COMPANY **Oil Prod of KS Inc** CUSTOMER REP / PHONE **Brad Sirokx**
 TICKET AMOUNT **10,470.98** WELL TYPE **02** API / UWI # **15-097-21429**
 WELL LOCATION **Greensburg KS** DEPARTMENT **Cmt** JOB PURPOSE CODE **035**
 LEASE / WELL # **Smith-Urruh** SEC / TWP / RNG **34 29 19**

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
D Scott B9495 4			
C Nixon H1660 4			
D Peterson J2993 4			

HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES	HES UNIT NUMBERS	R/T MILES
421269	90						
53387	90						
52530	90						

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		
Float Shoe		
Guide Shoe IF w/ Fill	1	Howco
Centralizers 5-4	3	
Bottom Plug		
Top Plug Latch Down	1	
Head + manifold		
Packer Baffle	1	
Other		

MATERIALS

	Density	Lb/Gal
Treat Fluid		
Disp. Fluid		
Prop. Type	Size	Lb.
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	
Perfpac Balls	Qty.	
Other		
Other	12 SK Super Flush	
Other	2 gal Clay-Fix II	

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
	5:22	5:22	5:22	5:22
TIME	0530	0700	1001	1035

WELL DATA

	NEW/USED	WEIGHT	SIZE	FROM	TO	MAX ALLOW
Casing	U	10.5	4.5	KB	5234	
Liner						
Liner						
Tbg/D.P.						
Tbg/D.P.						
Open Hole			7,875	5234	.35	SHOTS/FT.
Perforations						
Perforations						
Perforations						

HOURS ON LOCATION		OPERATING HOURS		DESCRIPTION OF JOB
DATE	HOURS	DATE	HOURS	
5:22	4	5:22	1	4 1/2 long string
TOTAL		TOTAL		

ORDERED _____ **HYDRAULIC HORSEPOWER** _____
 Available _____ Used _____
TREATED _____ **AVERAGE RATES IN BPM** _____
 Displacement _____ Overall _____
FEET **22,47** **CEMENT LEFT IN PIPE** _____
 Reason **Baffle**

CEMENT DATA

STAGE	SACKS	CEMENT	BULK/SKS	ADDITIVES	YIELD	LBS/GAL
Lead	35	50/50 #2	B	2% Gel Scavenger + Plugging	127	13.9
Tail	100	FA-2	B	5% Cal Seal, 125% D Air, 5% #16, 18% Salt, .75% - Halod-322, .5% Gasstop	1143	16.2

Circulating _____ Displacement _____ Preflush: Gal - **BB20 + 1205** Type **How SF, d'Ho**
 Breakdown _____ Maximum _____ Load & Bkdn: Gal - **BB1** Pad: **BB1 - Gal**
 Average _____ Frac Gradient _____ Treatment Gal - **BB1** Disp: **BB1 Gal 83.1**
 Shut In: Instant _____ 5 Min _____ 15 Min _____ Cement Slurr Gal - **BB233**
 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 _____



JOB LOG

ORIGINAL

TICKET #	TICKET DATE
BDA / STATE	COUNTY
PSL DEPARTMENT	
CUSTOMER REP / PHONE	
API / UWI #	15-097-21429
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
	3						
	3						
	4						

CHART NO.	TIME	RATE (BPM)	VOLUME (BBLS/EA)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
#	0530							Called Out
	0700							On loc w/ Tek's Safety mtg
								Cent 2 4 6 8 10
								1st on Bottom Drop Balls Circ w/ Rig
								Rig up Howco
	1001	5.8	20			400		Pump 2% Clay-Fix II
	1005	5.8	12			400		5t Super Flush
	1008	5.5	5			300		H2O Spacer
	1012	5.7				350		Mix Lead Cmt @ 13.9 ppg 20 sk's
	1013	5.9	5.1			300		Mix Tail Cmt @ 15.2 ppg 100 sk's
	1018	5	27.3			300		Finish mixing Cmt
			30.4 Total		5L			
	1021	5	8					Wash Pump & line
								Release Top Latch Down Plug
	1022	7				100		5t Disp w/ H2O
	1031	7	64			290		Lifting Cmt 64 Bbl's Out
	1034	5	83.1			1000		Plug Down
	1038					300		Release psi Hold
								Good Circ During Job
								Job Complete
								Thank you Scotty

ORIGINAL

15-097-21429

OIL PRODUCERS INC., OF KS.
INITIAL COMPLETION REPORT

WELL - SMITH UNRUH #1

LEGAL - SE/SE/NW OF 34-29s-19w IN KIOWA CO. KS.

API# - 15-097-21,429

G.L. - 2330'

K.B. - 5' ABOVE G.L. @ 2335'

SURFACE CSN - 8 5/8" @ 605' WITH 195 SX.

RTD - 5235'

LTD - NO OPEN HOLE LOG RAN.

PRODUCTION CSG - 4 1/2", 10.5# @ 5234' WITH 100 SX EA-2.

PBTD - 5192' (BY ELI 6/1/98), 5205' (BY TBG TALLY 6/4/98)

TOP OF CEMENT - 4600' WITH EXCELLENT CEMENT BONDING

PERFORATIONS - MISSISSIPPI DOLOMITE-----5102'-5132' WITH 2 SHOTS/FT.

ACID JOBS - 1000 GALS 15% DSFE
2500 GALS 15% SGA AND 2500 GALS 25# GELLED WATER (PAD ACID)

TUBING RAN - 15' MA, S.N., 162 JTS. 2 3/8" TBG. (5166.30')

TUBING SET @ - 5185.30' (SET 20' OFF BOTTOM 6/4/98)

AVERAGE TBG JT. - 31.89'

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

RODS RAN - PUMP, 2' SUB, 205 - 3/4" RODS, 8', 4', 2' X 3/4" SUBS, 1 1/4" X 16' POLISHED ROD.

PUMP SET @ - 5170.40'

PUMPING UNIT - LUFKIN 160-D, WITH 64" STROKE, S.N. - F108200J-465141, RATIO - 28.67:1

ENGINE - CONTINENTAL C-66

GAS PACK - McDONALD 24" X 5' 500# VERTICAL, WITH MANUAL DUMP, S.N. - 2627

WATER TANK - 10' X 12' 200 BBL FIBERGLASS

5/30/98

KIOWA WELL SERVICE ON LOCATION, SPOT D-D DERRICK.

6/1/98

KIOWA RIGGED UP D-D DERRICK.

ELI WIRELINE SERVICE ON LOCATION TO RUN GR/NEUTRON, CORRELATION, & SONIC CEMENT BOND LOG.

FOUND TOTAL DEPTH - 5192' (THIS IS 19' HIGH TO TOP INSERT 5211')

FOUND TOP OF CEMENT - 4600' WITH EXCELLENT CEMENT BONDING.

FOUND TOP OF MISSISSIPPI - 5102'

KIOWA SWABBED 4 1/2" CASING DOWN TO 45400' FROM SURFACE.

ELI RIGGED TO PERFORATE PROPOSED INTERVAL IN MISS DOLOMITE.

PERFORATED MISS DOLO - 5102'-5132' WITH 2 SHOTS/FT. USING EXPENDABLE CASING GUNS.

HAD GAS TO SURFACE IMMEDIATELY AFTER PERFORATING.

1/2 HR. NATURAL FLOW TEST - MEASURED GAS @ 640 MCFPD WITH NO FLUID.

HALLIBURTON ON LOCATION TO ACIDIZE MISS DOLO PERFS WITH 1000 GALS 15% DSFE ACID.

ACIDIZE MISS PERFS 5102'-32' AS FOLLOWS:

PUMP 1000 GALS 15% DSFE ACID.

LOAD HOLE WITH FIELD BRINE.

PRESSURED TO 1100 psi. BROKE BACK TO 150 psi.

DISPLACED ACID @ 5 BPM - 50 psi.

ISIP - VAC, TTL LOAD - 104 BBLs.

KIOWA RIGGED TO SWAB ACID LOAD & TESAT MISS PERFS AFTER ACID.

TEST MISS AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 2500' FROM SURFACE.

SWAB WELL DOWN & RECOVERED APPROX 70 BBLs. TEST GAS @ 430 MCFPD.

1/2 HR. TEST - RECOVERED APPROX 1 BBL WATER, TEST GAS @ 569 MCFPD.

1/2 HR. TEST - RECOVERED APPROX 1 BBL WATER, TEST GAS @ 662 MCFPD.

1 HR. FLOW TEST - NO SWAB RUN, TEST GAS @ 1200 MCFPD W/LIGHT MIST WATER.

SHUT DOWN FOR THE NIGHT.

6/2/98

SICP - 500 psi. SBHP - CALCULATES 585 psi (ASSUMING NO FLUID)

BLEW WELL DOWN & RESUME FLOW TESTING THRU ORIFICE FLOW TESTER WITH 1 1/4" ORIFICE PLATE.

FLOW TEST MISS AFTER ACID AS FOLLOWS:

1 HR. FLOW TEST - MEASURE GAS @ 1187 MCFPD, WITH LIGHT MIST WATER.

1 HR. FLOW TEST - MEASURE GAS @ 1316 MCFPD, WITH LIGHT MIST WATER.

1 HR. FLOW TEST - MEASURE GAS @ 1316 MCFPD, WITH LIGHT MIST WATER.

HALLIBURTON ON LOCATION TO RE-ACIDIZE MISS PERFS 5102'-32' WITH 2500 GALS 15% SGA ACID AND 2500 GALS 25# GELLED WATER TO MAKE UP PAD ACID STIMULATION TREATMENT.

6/2 CONT.

RE-ACIDIZE MISS PERFS AS FOLLOWS:

PUMP 1000 GALS 15% SGA ACID DISPLACED @ 6 BPM - 120 psi
PUMP 1000 GALS 25# GELLED WATER DISPLACED @ 6 BPM - 115 psi.
PUMP 1000 GALS 15% SGA ACID DISPLACED @ 6 BPM - 130 psi
PUMP 1000 GALS 25# GELLED WATER DISPLACED @ 6 BPM - 140 psi.
PUMP 500 GALS 15% SGA ACID DISPLACED @ 6 BPM - 140 psi.
PUMP 500 GALS 25# GELLED WATER DISPLACED @ 6 BPM - 210 psi.
FLUSH WITH CLAY FIX WATER.
ISIP - VAC. TTL LOAD - 199 BBLs.

SHUT WELL IN FOR 2 HRS TO ALLOW SGA ACID TO SPEND.
KIOWA RIGGED TO SWAB BACK ACID LOAD & TEST MISS AFTER RE-ACID.

TEST MISS AFTER RE-ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 3200' FROM SURFACE.
SWAB 2 HRS. RECOVERED APROX 70 BBLs. WELL KICKED OFF FLOWING.
FLOW TO PIT FOR 3 HRS, RECOVERING FAIRLY HEAVY MIST OF FLUID.
TEST GAS VOLUMES @ 1316 MCFPD.
SHUT DOWN FOR THE NIGHT.

6/3/98

SICP - 500 psi. SBHP - CALCULATES 585 psi (ASSUMING NO FLUID FILL-UP)
BLEW WELL DOWN, RESUME TESTING.

CONTINUE TESTING MISS AFTER RE-ACID AS FOLLOWS:

1 HR. FLOW TEST - MEASURE GAS @ 1462 MCFPD, LIGHT MIST OF WATER.
1 HR. FLOW TEST - MEASURE GAS @ 1506 MCFPD, LIGHT MIST OF WATER.
1 HR. FLOW TEST - MEASURE GAS @ 1539 MCFPD, LIGHT MIST OF WATER.
1 HR. FLOW TEST - MEASURE GAS @ 1539 MCFPD, LIGHT MIST OF WATER.

JW TRUCKING ON LOCATION, UNLOADED 5250' 2 3/8" TUBING. 4700' FROM DUNBAR AND 550' FROM
PARAMORE #3 WELL. ALSO UNLOADED 5200' 3/4" INSPECTED RODS, WITH BOTTOM HOLE PUMP
AND MISC.
SHUT DOWN FOR THE DAY DUE TO HIGH WINDS.

6/4/98

SICP - 500 psi, SBHP - CALCULATES 585 psi. (ASSUMING NO FLUID FILL-UP)
GREAT PLAINS FLUID ON LOCATION WITH HIGH PRESSURE WATER TRUCK WITH CLA-FIX WATER.
KILL WELL WITH 50 BBLs CLA-FIX WATER.

KIOWA WELL SERVICE RIGGED UP TO RUN PRODUCTION TUBING

RAN PRODUCTION TUBING AS FOLLOWS:

MUD ANCHOR X 2 3/8"	14.90'
SEATING NIPPLE X 2 3/8"	1.10'
162 JTS. 2 3/8" TUBING USED TESTED AND DRIFTED	5166.30'
K.B. (5' < 2' ABOVE G.L.)	3.00'
<u>TUBING SET @</u>	5185.30'
SEATING NIPPLE SET @	5170.40'

TAGGED TOTAL DEPTH @ 5205' (BY TUBING TALLY). PICKED UP & SET TUBING 20' OFF BOTTOM.

KIOWA RIGGED TO RUN BOTTOM HOLE PUMP & PRODUCTION RODS.

6/4/98 CONT.

RAN PUMP & RODS AS FOLLOWS:

2" X 1 1/2" X 12' RWTC PUMP WITH 6' GAS ANCHOR	14.00'
2' X 3/4" ROD SUB	2.00'
205 - 3/4" USED INSPECTED RODS	5125.00'
8', 4', 2' X 3/4" ROD SUBS	14.00'
1 1/4" X 16' POLISHED ROD	<u>16.00'</u>
<u>PUMP SET @</u>	5170.40'

SPACED PUMP OUT. CLAMP RODS OFF.
KIOWA RIGGED DOWN & MOVED OFF LOCATION.

ENSLEE DOZER ON LOCATION. BUILT PUMPING UNIT GRADE TO NORTH OF WELL.
BUILT TANK PAD TO NORTH OF WELL APPROX 150'.
RANDY UNRUH ON LOCATION TO SAND PADS.

GABEL LEASE SERVICE ON LOCATION WITH PUMPING UNIT AND ENGINE FROM DUNBAR LEASE,
AND WATER TANK FROM LEE TRUST WELL.

SET PUMPING UNIT - LUFKIN 160D, WITH 64" STROKE, S.N. - F103200J-465141, RATIO - 28.67:1.
SET ENGINE - CONTINENTAL C-66.
SET WATER TANK - 10' X 12' 200 BBL FIBERGLASS OPEN TOP.

HOOKE UP WELL HEAD AND LAID DUAL LEAD LINES. HOOKE UP GAS SUPPLY TO ENGINE.
SHUT DOWN FOR THE NIGHT.

6/5/98

STREMMELL ON LOCATION WITH RE-BUILT VERTICAL SEPARATOR.
SET SEPARATOR - McDONALD 24" X 5' VERICAL 500# WP, W/MANUAL DUMP, S.N. - 2627.
HOOKE UP SEPARATOR TO CASING STEEL LEAD LINE.
HOOKE UP GAS SUPPLY TO ENGINE FROM SALES SIDE OF SEPARATOR.

NOTE: THIS WELL APPEARS TO BE A NICE GAS PRODUCER AND WILL MOST LIKELY PRODUCE
SMALL AMOUNTS OF WATER.
WE ARE CURRENTLY AWAITING A SALES METER TO BE SET BY KGS @ WHICH POINT
WE WILL LAY OUR OWN GAS SALES LINE (APPROX 1/2 MILE)
THIS WELL SHOULD BE ON LINE IN APPROX 2-3 WEEKS.

END OF REPROT



BRAD SIROKY

Superior Testers Enterprises, Inc.

ORIGINAL

R.R. 3, Box 295B, Great Bend, Kansas 67530

34-295-19W (316) 792-6902

Date 5-21-1998 Location Approx. 1/2 SE - 1/4 NW 440' FSL 440' FEL NW 1/4 2350' B. 2345' E Elevation 2345' County KLING

Company Oil Producers Inc. of Kansas Number of Copies 5

Charts Mailed to P.O. Box Wichita Kansas 67208

Drilling Contractor Pickrell Drilling Rig #1

Length Drill Pipe 4850 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 1 1/2"

Length Weight Pipe NONE I.D. Weight Pipe NONE Tool Joint Size NONE

Length Drill Collars 239 I.D. Drill Collars 2.25 Tool Joint Size 4 1/2" X 1 1/2"

Top Packer Depth 5103 Bottom Packer Depth 5108 Number of Packers 2 Packer Size 6 3/4"

TESTED FROM 5108 TO 5143 ANCHOR LENGTH 35 TOTAL DEPTH 5143 Hole Size 7 7/8"

LEASE & WELL NO. Smith-Urbah #1 FORMATION TESTED Mississippi TEST NO. 1

Mud Weight 9.4 Viscosity 55 Water Loss 4 1/4 Chlorides - Pits N/A D.S.T. _____

Maximum Temp. 118 °F Initial Hydrostatic Pressure (A) 2620 P.S.I. Final Hydrostatic Pressure (H) 2563 P.S.I.

Tool Open I.F.P. from 2:30 P.m to 2:45 P.m 15 min

Tool Closed I.C.I.P. from 2:45 P.m to 3:15 P.m 30 min

Tool Open F.F.P. from 3:15 P.m to 3:45 P.m 30 min

Tool Closed F.C.I.P. from 3:45 P.m to 4:15 P.m 60 min

from [B]	<u>273</u>	P.S.I. to [C]	<u>253</u>	P.S.I.
[D]	<u>591</u>			P.S.I.
from [E]	<u>253</u>	P.S.I. to [F]	<u>293</u>	P.S.I.
[G]	<u>591</u>			P.S.I.

Initial Blow Strange blow with Gas to Surface in 3 minutes

Final Blow Strange blow - See Gas Flow Report

Total Feet Recovered 150 Gravity of Oil _____ Corrected _____

<u>150</u> Feet of <u>Gassy Drilling mud</u>	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water
_____ Feet of _____	% Gas	% Oil	% Mud	% Water

Remarks _____

Extra Equipment - Jars NONE Safety Joint NONE Extra Packer NONE Straddle NONE Hook Wall NONE

Top Recorder No. 13189 Clock No. 47441 Depth 5137 Cir. Sub NONE Sampler NONE

Bottom Recorder No. 5463 Clock No. 47442 Depth 5140 Insurance NONE

Price of Job _____

Tool Operator Gene Ludwig

Approved By _____ No. 11624

Superior Testers Enterprises, Inc. shall not be liable for damage of any kind to the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

ORIGINAL

SUPERIOR TESTERS ENTERPRISES INC.

Great Bend, Kansas

CHART DATA

(316) 792-6902

SMITH-UNRUH #1 MISSISSIPPI

State KANSAS

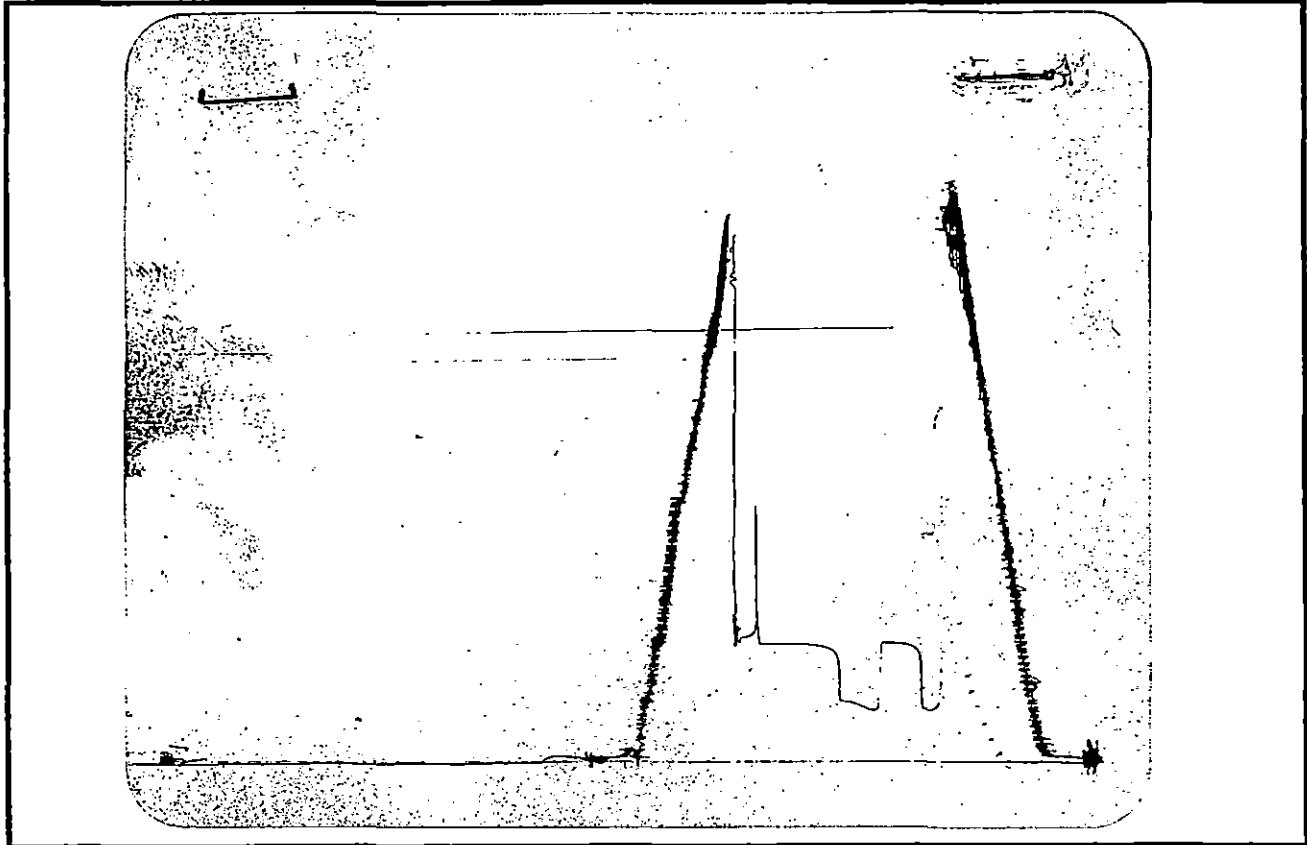
Test Date May 21, 1998

County

Sec Town Range 34-29S-19W

Field

Report Number 11624



Field Reading

Office Reading

	Field Reading	Office Reading	
(A)	Initial Hydrostatic Pressure	2620	2631 psi
(B)	Initial Flow Pressure	273	302 psi
(C)	Final Initial Flow Pressure	253	267 psi
(D)	Initial Shut-In Pressure	591	592 psi
(E)	Initial Final Flow Pressure	253	273 psi
(F)	Final Flow Pressure	293	304 psi
(G)	Final Shut-In Pressure	591	586 psi
(H)	Final Hydrostatic Pressure	2563	2603 psi

ELECTRONIC REECORDER DEPTH5137ft,RECORDER NUMBER78225

Company OIL PRODUCERS INC. OF KANSAS Lease & Well No. SMITH-UNRUH #1 Test #: 1 Date:5-21-1998
SEC.34 TWP. 29S RGE. 19W

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

General Information

Test Company Name SUPERIOR TESTERS ENTERPRISES INC.
Company Name OIL PRODUCERS INC. OF KANSAS
Lease and Well Number SMITH-UNRUH #1
Formation Tested MISSISSIPPI
Test Number 1
State KANSAS
County KIOWA
Field
Test Date 21-May-98
Section Town Range 34-29S-19W
Report Number 11624
Elevation Ground Level 2345
Elevation Kelly Bushings 2350
Company Representative BILL SHEPARD
Testing Engineer GENE BUDIG

Extra Equipment

Jars NO
Safety Joint NO
Extra Packers No
Straddle No
Hook Wall No
Sampler No
Circulating Sub No
Electronic Recorder NO

Well Information

Drilling Contractor PICKRELL DRILLING RIG #1

Drill Pipe Length 4850
Drill Pipe I.D. 3.8
Tool Joint Size 4 1/2 XH

Weight Pipe Length
Weight Pipe I.D. 2.76
Tool Joint Size 4 1/2 X.H.

Drill Collar Length 239
Drill Collar I.D. 2.25
Tool Joint Size 4 1/2 X.H.

Mud Weight #/gal 9.40
Viscosity 55.00
Water Loss N/A
Chlorides - Pits N/A
Chlorides - DST

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Tool Setting Information

Top Packer Depth 5103
Bottom packer Depth 5108
Number of Packers 2
Packer Size 6 3/4

Test Interval (from) 5108
Test Interval (to) 5143.00
Anchor Length 35
Total Depth (ft) 5143
Hole Size (in) 7 7/8

Pressure Readings

	<i>Field Reading</i>	<i>Office Reading</i>
Maximum Temp	118	
Initial Hydrostatic Pressure	2620	2631
Initial Flow Pressure	273	302
Final Initial Flow Pressure	253	267
Initial Shut-In Pressure	591	592
Initial Final Flow Pressure	253	273
Final Flow Pressure	293	304
Final Shut-In Pressure	591	586
Final Hydrostatic Pressure	2563	2603
Electronic Recorder Depth	5137	
Recorder Number	78225	
Mechanical Recorder Depth	5140	
Recorder Number	5463	

Comments

SUPERIOR TESTERS ENTERPRISES INC.

DRILL STEM TEST REPORT

GREAT BEND, KANSAS (316)792-6902

Flow Times

Initial Open

Tool Open (from) 2:30
 Tool Open (to) 2:45
 Duration (min) 15

Initial Shut-in

Tool Closed (from) 2:45
 Tool Closed (to) 3:15
 Duration (min) 0:00

Final Open

Tool Open (from) 3:15
 Tool Open (to) 3:45
 Duration (min) 30

Final Shut-in

Tool Closed (from) 3:45
 Tool Closed (to) 4:45
 Duration (min) 60

Recovery Description

Initial Blow STRONG BLOW WITH GAS TO SURFACE IN 3 MINUTES

Final Blow STRONG BLOW-SEE GAS FLOW REPORT

Description	Feet of Recovery	% Gas	% Oil	% Mud	% Water
1) GASSY DRILLING MUD	150				
2)					
3)					
4)					
5)					
6)					
7)					
8)					
9)					
10)					
11)					
12)					
13)					
14)					
15)					
Total	150				

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

(316) 792-6902

1ST SHUT-IN

State KANSAS

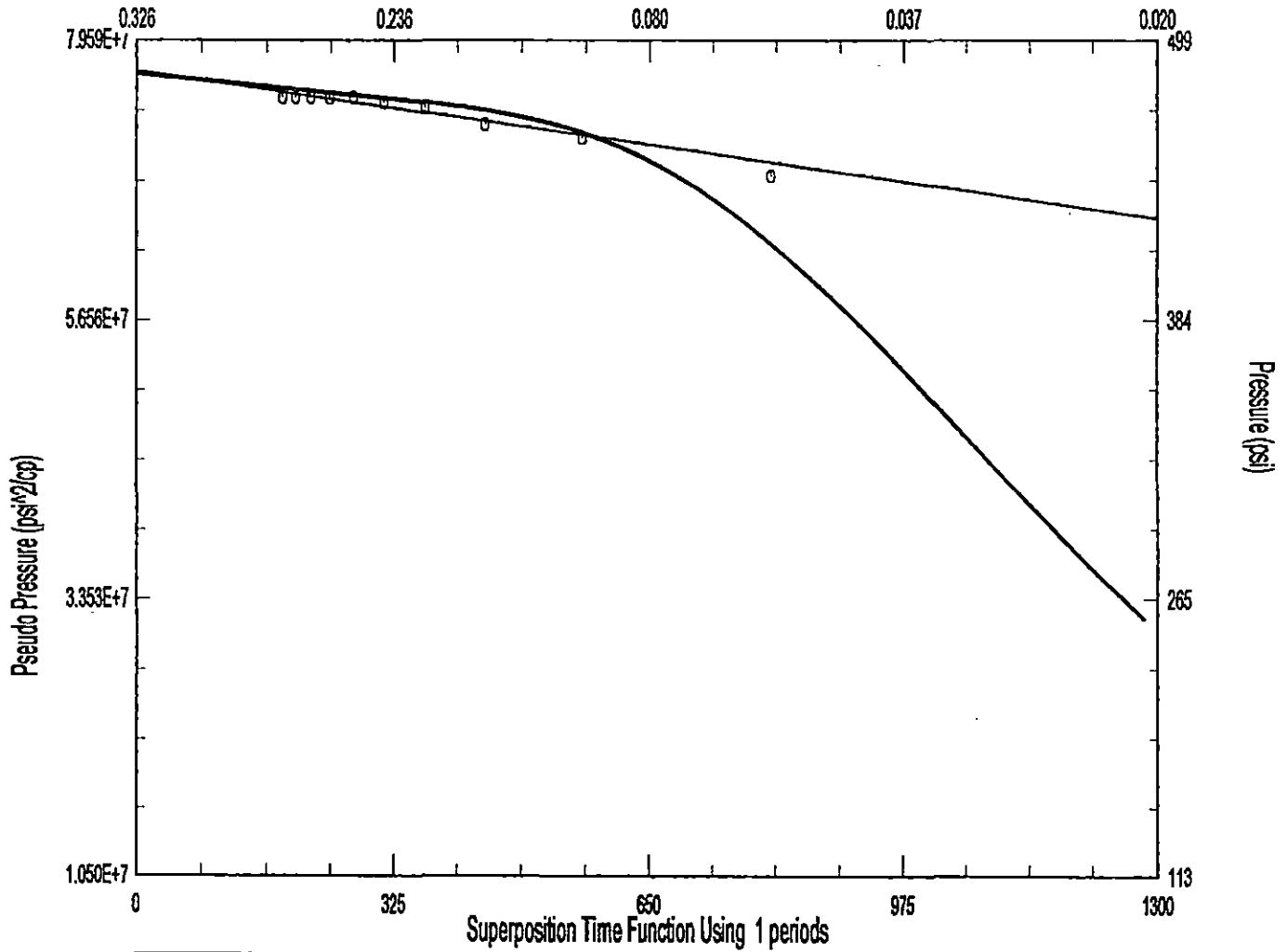
Test Date May 21, 1998

County KIOWA

Sec Town Range 34-29S-19W

Field

Report Number 11624



Constant Storage	Skin Model	Homogeneous	No Boundaries
C1 : 0.004 bbl/psi	Skin : 12.75	k : 14.701 md	h : 10 ft
			mu : 0.022 cp
			phi : 0.18 %
			ct : 4.150E-03 1/psi
			rw : 3.208 ft

Field :
County or Parish :
State :

Date : 26-May-98 20:01:44
Analysis Period : END FLOW - 1ST SHUT-IN
Identifier : Line #

Superposition Slope -> m' -9283.610000
Horner Slope -> m -9.617820E+6
Intercept 7.705E+7
P(dt=1 hr) 7.611E+7
Pwf -4.735E+6
R Sqr 0.9307

Intercept (psi) 485.659
k (md) 10.19200
kh (md-ft) 101.92005
k/u (md/cp) 467.52314
kh/uB (md-ft/cp) 4675.23145
Skin 7.8839
DP Skin 246.2627
Total DP 523.7658
Percent DP 47.02%

Radius Invest (ft) 18
Radius Time (hrs) 0.50

Delta Q = 1036
h (ft)= 10
mu (cp) = 0.0218
B (stb/scf) = 0.0013

First Point # 2
Second Point # 11
Start Real Time 0.050
End Real Time 0.500
Start SF Time 806.165

SUPERIOR TESTERS ENTERPRISES INC.

GREAT BEND, KANSAS

SUPERPOSITION ANALYSIS

(316) 792-6902

2ND SHUT-IN

State KANSAS

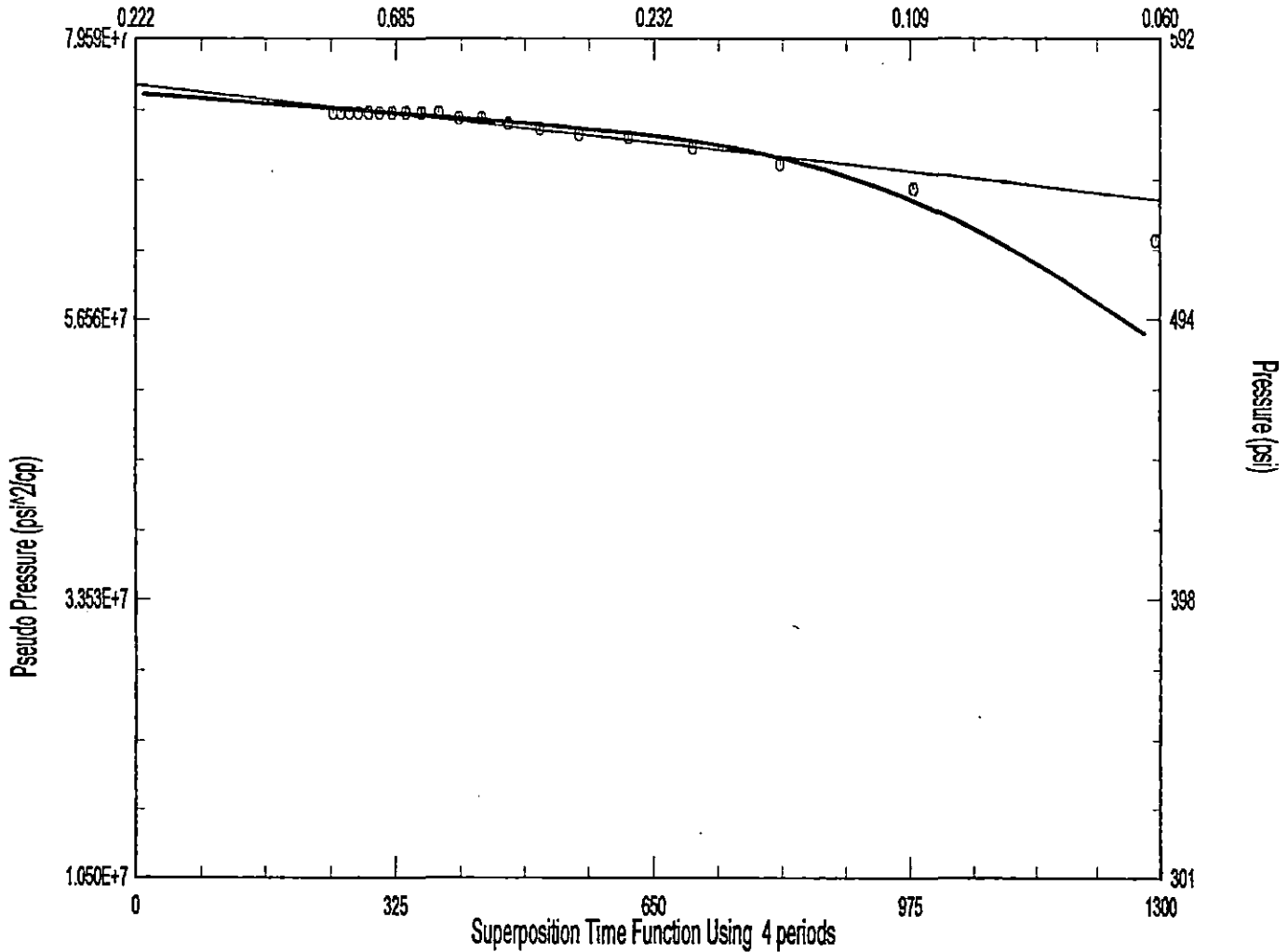
Test Date May 21, 1998

County KIOWA

Sec Town Range 34-29S-19W

Field

Report Number 11624



Constant Storage	Skin Model	Homogeneous	No Boundaries	h : 10 ft
C1 : 0.008 bbl/psi	Skin : 11.00	k : 19.500 md		mu : 0.022 cp
				phi : 0.18 %
				ct : 4.146E-03 1/psi
				rw : 3.208 ft

Field :
County or Parish :
State :

Date : 26-May-98 19:48:44
Analysis Period : EMD FLOW - 2ND SHUT-IN
Identifier : Line #

Superposition Slope -> m' -7284.855000
Horner Slope -> m -8.727256E+6
Intercept 7.586E+7
P(dt=1 hr) 7.406E+7
Pwf 1.050E+7
R Sqr 0.9339

Intercept (psi) 576.034
k (md) 12.98840
kh (md-ft) 129.88399
k/u (md/cp) 595.79809
kh/uB (md-ft/cp) 5957.98093
Skin 6.4699
DP Skin 206.2029
Total DP 275.4467
Percent DP 74.86%

Radius Invest (ft) 29
Radius Time (hrs) 1.00

Delta Q = 1198
h (ft)= 10
mu (cp) = 0.0218
B (stb/scf) = 0.0013

First Point # 3
Second Point # 21
Start Real Time 0.100
End Real Time 1.000
Start SF Time 979.097