

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 8061
Name: Oil Producers, Inc. of Kansas
Address: P. O. Box 8647
City/State/Zip: Wichita, KS 67208-0647
Purchaser: NCRA, OneOK
Operator Contact Person: Diana Richecky
Phone: (316) 681-0231
Contractor: Name: Val Energy Inc.
License: 5822
Wellsite Geologist: William Shepherd

RECEIVED
APR 30 2003
KCC WICHITA

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/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

<u>07/31/2002</u>	<u>08/04/2002</u>	<u>10/11/2002</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 175-21877-0000
County: Seward
C SE NW Sec. 16 Twp. 33 S. R. 32 East West
1980 feet from S (N) (circle one) Line of Section
1980 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) (SW)
Lease Name: Hirn Well #: 1A-16
Field Name: Hugoton

Producing Formation: Chase Group
Elevation: Ground: 2701' Kelly Bushing: 2706'
Total Depth: 2820' Plug Back Total Depth: 2782'
Amount of Surface Pipe Set and Cemented at 537 Feet
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 ALF 1 gR 7/07/03
(Data must be collected from the Reserve Pit)
Chloride content 44,850 ppm Fluid volume 390 bbls
Dewatering method used hauled to SWD

Location of fluid disposal if hauled offsite:
Operator Name: West Sunset Disposal
Lease Name: Roehr License No.: 32462
Quarter _____ Sec. 36 Twp. 34 S. R. 36 East West
County: Stevens Docket No.: D-27,649

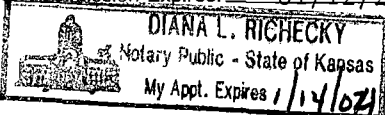
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: [Signature]
Title: President Date: 3/31/2003

Subscribed and sworn to before me this 31st day of March,
2003

Notary Public: [Signature]
Date Commission Expires: 01/12/2004



KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: Oil Producers, Inc. of Kansas Lease Name: Hirn Well #: 1A-16
 Sec. 16 Twp. 33 S. R. 32 East West County: Seward

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy)
 List All E. Logs Run:

Log Name	Formation (Top), Depth and Datum	Sample
	Name Top Datum	
Herington	2491	215
Krider	2526	180
Winfield	2620	86
Towanda	2682	24
Ft. Riley	2720	-14
RTD	2820	-114

Geological Report, Sonic Log, Dual Induction Log, Compensated Neutron/Density PE Log

CASING RECORD							
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		8 5/8"	23	537'	See Note 1	125/175	See Note 1
Production		4 1/2"	10.5	2820'	A-con/AA-2	375/100	prm gas blocker

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	2622'	Common	150	Calcium Chloride , 2%

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
	See Initial Completion Report		
2	2527' - 2533' + 2565' - 2580'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	2606.76'		Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
10/11/2002	Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		150	95		

Disposition of Gas Vented Sold Used on Lease (If vented, Sumit ACO-18.)
 METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled
 Production Interval 2527' - 2533'
2565' - 2580'
 Other (Specify) _____

ACO-1 Attachment

Note 1:

<u>Surface Casing</u>	<u>Type of Cement:</u>	<u>Type and % additives:</u>
125 sacks	60/40 poz	3% cc, 1/4# Floseal/sack
110 sacks	A-con	3% cc, 1/4# Floseal/sack
175 sacks	Common	3%cc



**ORIGINAL
COPY**

SALES OFFICE:
105 S. Broadway
Suite #420
Wichita KS 67202
(316) 262-3699
(316) 262-5799 FAX

SALES & SERVICE OFFICE:
10244 NE Hwy 61
P.O. Box 8613
Pratt, KS 67124-8613
(316) 672-1201
(316) 672-5383 FAX

ACIDIZING · FRACTURING · CEMENTING

Invoice

Bill to: OIL PRODUCERS INC. OF KANSAS P.O. Box 8647 Wichita, KS 67208	6395901	Invoice	Invoice Date	Order	Order Date
		207097	7/31/02	5066	7/31/02
	Service Description				
	Cement				
			Lease	Well	
			Him	1a-16	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	Tim Thompson	T. Seba	New Well		Net 30

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D201	A-CON BLEND (COMMON)	SK	110	\$13.00	\$1,430.00
D203	60/40 POZ (COMMON)	SK	125	\$7.75	\$968.75
C310	CALCIUM CHLORIDE	LBS	1130	\$0.75	\$847.50
C195	CELLFLAKE	LB	53	\$1.85	\$98.05
F263	BAFFLE PLATE ALUMINUM, 8 5/8"	EA	1	\$72.00	\$72.00
F143	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00
F113	BASKET, 8 5/8"	EA	1	\$290.00	\$290.00
D200	COMMON	SK	175	\$10.25	\$1,793.75
E107	CEMENT SERVICE CHARGE	SK	410	\$1.50	\$615.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	2071	\$1.25	\$2,588.75
R402	CEMENT PUMPER, ADDITIONAL HRS ON LOCATION	HR	3	\$200.00	\$600.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	110	\$3.00	\$330.00
R202	CASING CEMENT PUMPER, 501-1000'	EA	1	\$880.00	\$880.00

Sub Total: \$10,598.80

Discount: \$3,782.71

Discount Sub Total: \$6,816.09

Tax Rate: 6.30% **Taxes:** \$0.00

(T) Taxable Item

Total: \$6,816.09

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



ORIGINAL

FIELD ORDER

5066

INVOICE NO.		Subject to Correction			
Date	7-31-02	Lease	HJRN	Well #	1A-16
Customer ID		County	SEWARD	State	Ks
		Depth		Formation	
		Casing	8 5/8	Casing Depth	537.76
		TD	542'	Shoe Joint	BAFFLE 40.69
		Customer Representative	TIM THOMPSON	Treater	T. SETA
		Job Type	SURFACE NEW WEL		

CHARGE

Oil PRODUCES INC. OR KS

AFE Number

PO Number

Materials Received by *X*

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-201	110 SKS	A-CON	✓			
D-203	125 SKS	60/40 POZ	✓			
C-310	636 lbs	CALCIUM CHLORIDE	✓			
C-195	53 lbs	CELLFLAKE	✓			
P-263	1 EA	BAFFLE PLATE Alum. 8 5/8	✓			
P-143	1 EA	WOODEN PLUG	✓			
P-113	1 EA	CMT BASKET	✓			
		1"				
D-200	175 SKS	Common	✓			
C-310	494 lbs	CALCIUM CHLORIDE	✓			
E-107	175 SK	CEMENT SERV. CHARGE				
E-104	905 TM					
R-402	3 hrs	Add Hrs				
E-107	235 SK	CEMENT SERV. CHARGE				
E-100	110 ms	UNITS 1 way MILES				
E-104	1,166 TM	TONS MILES				
R-202	1 EA	EA. 537. PUMP CHARGE				
		DISCOUNTED PRICE =		4,191.62		
		+ TAXES		6,816.09		

10244 NE Hiway 61 · P.O. Box 8613 · Pratt, KS 67124-8613 · Phone (620) 672-1201 · Fax (620) 672-5383

TOTAL

TREATMENT REPORT



Customer ID	Date	
Customer O.P. INC. OF KS	7-31-02	
Lease HIRN	Lease No.	Well # 1A-16

Field Order # 5066	Station	Casing 8 5/8	Depth 537.	County SEWARD	State KS
Type Job Surface New Well	Formation			Legal Description 16-335-32W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 110 SKS A-CON		RATE	PRESS	ISIP
Depth 537.76	Depth	From	To	Pre Pad 3 1/2 C.C. 1/4" CELL	Max			5 Min.
Volume	Volume	From	To	Pad 11.8 #/GAL 2.71 ft ³	Min			10 Min.
Max Press	Max Press	From	To	Frac 125 SKS 60/40 P02	Avg			15 Min.
Well Connection	Annulus Vol.	From	To	3 1/2 C.C. 1/4" CELL	HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush 14.7 #/GAL 1.25 ft ³	Gas Volume			Total Load

Customer Representative	Station Manager D. AUKRY	Treater T. SEBA					
Service Units	114	35	57	44	72	30	75

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00					CALLER OUT
11:30					ON LOC W/ TRK'S & SAFETY MTRG
					RUN 13 JT'S 8 5/8 23" CSG
					BAPPIE 1 JT = 40.69 CMT BSKT 11 JT
16:15					START CSG.
17:25					CSG ON BOTTOM
17:30					Hook up TO CSG & BREAK CIRC W/ RTG
17:47	150			7	START PUMPING H ₂ O
			10	?	
			53.09	?	MIX' PUMP 110 SKS A-CON
			27.83	6	MIX' PUMP 125 SKS 60/40 P02
18:04					SHUTDOWN RELEASE PLUG
18:06	75			6	START DFBP
18:13	150		31.81	2	PLUG DOWN
					GOOD CIRC THEN JOB
					DID NOT CIRC CMT TO PIT
18:45					ORDER CMT
21:30					CMT ON LOC
					RUN 80' 1"
22:20		100	21	142	MIX' PUMP 100 SKS COMMON 3 1/2 C.C
22:40					SHUT DOWN NO CMT WAIT 1 HR

TREATMENT REPORT



Customer ID	Date	
Customer O.P. INC. OF KS	8-1-02	
Lease HORN	Lease No.	Well # 1A-16

Field Order # 5066	Station PRATT	Casing 8 5/8	Depth 537	County SEWARD	State KS
Type Job SURFACE	NEW WELL		Formation	Legal Description 16-335-32W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth	Depth	From	To	Pre Pad		Max		5 Min.
Volume	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative	Station Manager D. AULRY	Treater T. SEBA					
Service Units	114	35	57	44	72	30	75

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
24:00					TAG CNT 30'
					RUN 20' 1"
24:05		50	15.76	1 1/2	MIX. PUMP 75 SKY COMMON 3% C.C
					CIRC CNT TO PBT
					SHUT DOWN
					JOB COMPLETE
					THANKS
					TODD



**ORIGINAL
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10244 NE Hiway 61
P.O. Box 8613
Pratt, KS 67124-8613
(316) 672-1201
(316) 672-5383 FAX

ACIDIZING - FRACTURING - CEMENTING

Invoice

Bill to:			6395901	Invoice	Invoice Date	Order	Order Date
OIL PRODUCERS INC. OF KANSAS				208016	8/8/02	5078	8/4/02
P.O. Box 8647				Service Description			
Wichita, KS 67208				Cement			
				Lease		Well	
				Him		1A-16	
AFE	CustomerRep	Treater		Well Type	Purchase Order	Terms	
	Tim Thomson	D. Scott		New Well		Net 30	

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D201	A-CON BLEND (COMMON)	SK	375	\$13.00	\$4,875.00
D105	AA2 (PREMIUM)	SK	100	\$13.56	\$1,356.00
C310	CALCIUM CHLORIDE	LBS	706	\$0.75	\$529.50
C195	CELLFLAKE	LB	89	\$1.85	\$164.65
C313	GAS BLOCK POWDER	LB	71	\$5.00	\$355.00
C322	GILSONITE	LB	499	\$0.55	\$274.45
C223	SALT (Fine)	LBS	514	\$0.35	\$179.90
C196	FLA-322	LB	76	\$7.25	\$551.00
C141	CC-1, KCL SUBSTITUTE	GAL	2	\$40.00	\$80.00
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00
C303	"B" FLUSH	GAL	250	\$4.25	\$1,062.50
F110	BASKET, 4 1/2"	EA	1	\$180.00	\$180.00
F180	AUTO FILL FLOAT SHOE, 4 1/2"	EA	1	\$230.00	\$230.00
F150	LATCH DOWN PLUG & BAFFLE, 4 1/2"	EA	1	\$230.00	\$230.00
F100	CENTRALIZER, 4 1/2"	EA	5	\$67.00	\$335.00
E107	CEMENT SERVICE CHARGE	SK	475	\$1.50	\$712.50
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	110	\$3.00	\$330.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	2459	\$1.25	\$3,073.75
R206	CASING CEMENT PUMPER, 2501-3000'	EA	1	\$1,460.00	\$1,460.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

Sub Total: \$16,604.25

Discount: \$6,465.00

Discount Sub Total: \$10,139.25

Tax Rate: 6.30% **Taxes:** \$0.00

(T) Taxable Item

Total: \$10,139.25

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



INVOICE NO.

FIELD ORDER

5078

Subject to Correction

Date 8-4-02	Lease Hirn	Well # 1A-16	Legal 16-33s-32w
Customer ID	County Seward	State KS	Station Pratt KS
Oil Producers Inc of KS		Depth	Formation 10.5 pps
		Shoe Joint 43.70	
	Casing 4 1/2	Casing Depth 2819	TD 2820
			Job Type long string New Well
	Customer Representative T.M. Thomson		Treater D Scott

CHARGE

AFE Number

PO Number

Materials Received by

X *Jim* *[Signature]*

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D201	375 sks	A-Con Common	✓			
D105	100 sks	AA-2 Premium	✓			
C310	706 lbs	Calcium Chloride	✓			
C195	89 lbs	Cellflake	✓			
C313	71 lbs	Gas Blok	✓			
C322	499 lbs	Gilsonite	✓			
C223	514 lbs	Salt, fine	✓			
C196	76 lbs	FHA-322	✓			
C141	2 gal	CC-1	✓			
C302	500 gal	mud flush	✓			
C303	250 gal	Super flush	✓			
F110	1 ea	Cmt Basket 4 1/2 in	✓			
F180	1 ea	Auto fill float shoe"	✓			
F150	1 ea	hatch Down Plug + Baffle id	✓			
F100	5 ea	Turbalizers 11	✓			
E107	495 sks	Cmt Serv Chg				
E100	1 ea	UNITS 1 way MILES 110				
E104	2459+M	TONS 1 way MILES 110				
R206	1 ea	EA 2501-3000 PUMP CHARGE				
R701	1 ea	Cmt Head Rental				
				Discounted Price =	10,139.25	

TREATMENT REPORT



Customer ID	Date
Customer Oil Producers	8-4-02
Lease Hinn	Lease No. WA-16

Field Order # 3078	Station Pratt KS	Casing 4 1/2	Depth 2819	County Seward	State KS
Type Job Long String New Well			Formation	Legal Description 16-33s-32w	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 4 1/2	Tubing Size 2 7/8	Shots/Ft		Acid 375ski A-Con 2% CL .25% Floke	RATE	PRESS	ISIP
Depth 2776	Depth PB TD	From	To	Pre Pad 2 ³ 3.00	11.4 ppg	Max	5 Min.
Volume 44.1	Volume	From	To	Pad 100ski AA-2 10% salt .75 Gas Blok	Avg		10 Min.
Max Press 3000	Max Press	From	To	FLA-322 5% 1.87	1.42		15 Min.
Well Connection	Annulus Vol.	From	To	200.3 + 25.6 = 226 Bbls	HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	20 Bbls KCL 12 M.S. 6 Super Flush	Gas Volume		Total Load

Customer Representative Tim Thomson	Station Manager Dave Austry	Treater D Scott
Service Units 106 35 37 38 70 36 71		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2200					On hoc w/ Trk's Safety mtg Float Shoe on Bottom Baffle Top S. J. Cent 1-4-7-11-43 Basket 14 Jt Csg on Bottom Drop Ball & Circ 4/2 Rig
0306	300		20	6	2% KCL flush
0309	300		12	6	St mud flush
0311	300		5	6	H ₂ O Spacer
0313	300		6	6	Super flush
0314	300		3	6	H ₂ O spacer
0318	400		200.3	7.0	mix head Cmt @ 11.4 ppg 375 ski
0348	200		25.6	5.0	Mix Tail Cmt @ 15.0 ppg 100ski
0357			10	5.0	Close In + Wash pump + line
0358	100			6.0	Release Plug + St Disp w/ H ₂ O
0403	375			6.0	lifting Cmt
0407	1300		44.1	0	Plug Down + psi Test Csg
0408	0				Release psi Held
					Circ 5 Bbls Cmt = 15 ski
					Good Circ During Job
					Plug R.H. + M.H. w/ 25ski 60/40 pot
					Job Complete Thank you Scott V



DR ✓

ORIGINAL
COPY

SALES OFFICE:
105 S. Broadway
Suite # 420
Wichita KS 67202
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ACIDIZING · FRACTURING · CEMENTING

Invoice

Bill to:		6395901	Invoice	Invoice Date	Order	Order Date
OIL PRODUCERS INC. OF KANSAS			208035	8/12/02	5071	8/7/02
P.O. Box 8647			Service Description			
Wichita, KS 67208			Cement			
			Lease		Well	
			Him		1A-16	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	Tim Thompson	T. Seba	New Well		Net 30	

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D200	COMMON	SK	150	\$10.25	\$1,537.50
C310	CALCIUM CHLORIDE	LBS	282	\$0.75	\$211.50
E107	CEMENT SERVICE CHARGE	SK	150	\$1.50	\$225.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	110	\$3.00	\$330.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	776	\$1.25	\$970.00
R306	CEMENT PUMPER, 2501-3000'	EA	1	\$1,440.00	\$1,440.00
R700	SQUEEZE MANIFOLD	EA	1	\$430.00	\$430.00

Sub Total: \$5,144.00

Discount: \$1,543.20

Discount Sub Total: \$3,600.80

Tax Rate: 6.30%

Taxes: \$0.00

(T) Taxable Item

Total: \$3,600.80

PLEASE REMIT TO Acid Services, LLC, Dept No 1131 , Tulsa, OK 74182

Accounts become past due the last day of the month following billing. Interest rate 1.5% per month (18% per year) on past due accounts.



INVOICE NO.
Date 8-7-02
Customer ID

Subject to Correction

FIELD ORDER

5071

Lease HIRN	Well # 1A-16	Legal 16-335-32W
County SEWARD	State Ks	Station PRATT

CHARGE

Oil Producers Inc. of Ks	Depth	Formation 2nd WINFIELD	Shoe Joint		
	Casing 4 1/2	Casing Depth 2622	TD 2682	Job Type SQUEEZE JOB	New Well
	Customer Representative TIM THOMPSON	Treater T. SEBA			

AFE Number	PO Number
------------	-----------

Materials Received by X [Signature]

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-200	150 SKS	COMMON	✓			
C-310	282 lbs	CALCIUM CHLORIDE	✓			
E-107	150 SKS	CEMENT SERV. CHARGE				
E-100	110 MS	UNITS /WAY MILES 110				
E-104	776 TM	TONS /WAY MILES 110				
R-306	1 EA	EA. 2622 PUMP CHARGE				
R-700	1 EA	SQUEEZE MANIFOLD				
		DISCOUNTED PRICE =		3600.80		
		+ TAXES				

TOTAL

TREATMENT REPORT



Customer ID		Date	
Customer O.P. INC. OF KS		8-7-02	
Lease HIRN		Lease No.	Well # 1A-16
Field Order # 5071	Station PRATT	Casing 4 1/2	Depth
Type Job SUBSIZ JOB NEW WELL		Formation WINFIELD	County SEWARD State KS
		Legal Description 16-335-32W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shots/Ft 1		Acid 150 SKs COMMON 2% C.C.	RATE	PRESS	ISIP	
Depth	Depth	From 2635	To 2652	Pre Pad 15.6 gal 1.18%³	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection CSP	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 2680	Plastic Depth 2622	From	To	Flush	Gas Volume		Total Load	

Customer Representative TIM THOMPSON	Station Manager D. ALTRY	Treater T. SEBA		
Service Units	114	23	49	72

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:15					ON LOC w/ TRK & SAFETY MFG
					RETAINER SET @ 2622'
14:05					Hook up TO WELL & STING IN
14:09	500		22.5	5	LOAD & PSI TEST ANN
14:15	}	300	20	2 1/2	TALE INJ RATE
14:25		300	31.52	?	START MEX & Pump 150 SKs COMMON 2% C.C.
					FINISHED MEX
14:35			10	4	SHUT DOWN & CLEAR PUMP & LINES
14:37		50	0	1 1/2	START OISF
		400	2 1/2		CAUGHT PSI
		900	9		SHUTDOWN
					STING OUT
14:45	400		20	2	REV OUT 9 out SEEN FLAG
					JOB COMPLETE
					THANKS
					TODD