

KANSAS CORPORATION COMMISSION
Oil & Gas Conservation Division
WELL COMPLETION FORM
WELL HISTORY- DESCRIPTION OF WELL & LEASE

Form ACO-1
 September 1999
 Form Must be Typed

ORIGINAL

Operator License #: 8061
 Name: Oil Producers, Inc. of Kansas
 Address: P.O. Box 8647
 City/State/Zip: Wichita, Ks. 67208
 Purchaser: NCRA, Kansas Industrial
 Operator Contact Person: Diana Richecky
 Phone: (316) 681-0231
 Contractor Name: Mallard JV, Inc.
 License: 4958
 Wellsite Geologist: William H. Shepherd
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Oher (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. _____
12/27/2001 1/3/2002 3/1/2002
 Spud Date or Date Reached TD Completion Date or
 Recompletion Date Recompletion Date

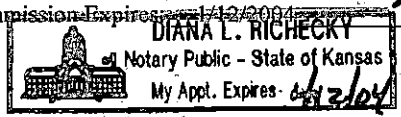
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API No. 15 - 095-21808-0000
 County: Kingman
N/2 - NE - SE Sec. 15 Twp. 30 S. R. 7 East West
2310 feet from S / N (circle one) Line of Section
660 feet from E / W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Dunkelberger Well #: 4
 Field Name: Spivey-Grabbs-Basil
 Producing Formation: Mississippi
 Elevation: Ground: 1430' Kelly Bushing: 1435'
 Total Depth: 4202' Plug Back Total Depth: 4149'
 Amount of Surface Pipe Set and Cemented at 273 Feet
 Multiple Stage Cement Collar Used? Yes No
 If yes, show depth set _____
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.
 Drilling Fluid Management Plan: See 1st 7.8.02
 (Data must be collected from the Reserve Pit)
 Chloride content 223600 ppm. Fluid volume 5200 bbls.
 Dewatering method used Free water hauled to SWD
 Location of fluid disposal if hauled offsite:
 Operator Name: Oil Producers Inc. of KS
 Lease Name: Watson #2 License No. 8061
 Quarter SW Sec. 8 Twp. 29 S. R. 15 East West
 County Pratt Docket No.: D-24324

INSTRUCTIONS: An original and two copies of this form shall be filed with 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 82-3-120 and 82-3-107 apply. Information of side two of this form will 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: _____
 Subscribed and sworn to before me this 31st day of May 2002
 Notary Public [Signature]
 Date Commission Expires 1/12/2004



KCC Office Use ONLY	
<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
<input type="checkbox"/>	If Denied, Yes <input type="checkbox"/> Date _____
<input checked="" type="checkbox"/>	Wireline Log Received
<input checked="" type="checkbox"/>	Geological Report Received
<input type="checkbox"/>	UIC Distribution

ORIGINAL

Operator Name: Oil Producers, Inc. of Kansas Lease Name: Dunkelberger Well #: 4

Sec. 15 Twp. 30 S. R. 7 East West County: Kingman

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

Drill Stem Tests Taken (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run
Logs: Geological, Sonic Log, Dual Induction Log, Compensated Neutron Density PE log, Dual Receiver Cement Bond Log

Table with columns: Log, Formation (Top), Depth and Datum, Name, Top, Datum. Rows include Heebner, Lansing, Kansas City, Upper Mississippian, Lower Mississippian, LTD.

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CASING RECORD Table with columns: Purpose of String, Size Hole, Size Casing, Weight, Setting, Type of Cement, # Sacks, Type and Percent Additives. Includes Surface and Production rows.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Table with columns: Purpose, Depth, Type of Cement, # sacks used, Type and Percent Additives. Rows include Perforate, Protect Casing, Plug Back TD, Plug Off Zone.

PERFORATION RECORD - Bridge Plugs Set/Type, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

TUBING RECORD Table with columns: Size, Set At, Packer At, Liner Run, Yes/No

Estimated Production Table with columns: Oil, Gas, Water, Flowing, Pumping, Gas Lift, Other (Explain), Gravity

Disposition of Gas: METHOD OF COMPLETION Production Interval
++ Vented ++ Sold ++ Used on Lease ++ Open Hole ++ Perf. ++ Dually Comp. ++ Commingled See report
++ Other (Specify)

ORIGINAL

Oil Producers Inc. of Kansas
Initial Completion Report

WELL - DUNKELBERGER #4

LEGAL - N/2-NE -SE OF 15-30S-7W IN KINGMAN CO., KS.

API # - 15-095-21808

G.L. - 1430'

K.B. - 5' ABOVE G.L. @ 1435'

SURFACE CSN - 8 5/8" @ 273' w/ 175 SX.

RTD - 4200'

LTD - 4202' (ELI 1/2/02)

PRODUCTION CSN - 4½", 10.5# NEW RG-3 @ 4200' w/ 125 SX EA-2, GAS STOP.

TOP OF CEMENT - 3494' w/ POOR BONDING ACROSS MISSISSIPPI

PBTD - 4149' (ELI CORRELATION LOG 2/20/02), 4141' (BY TBG TALLY 2/27/02)

<u>PERFORATIONS -</u>	MISSISSIPPI - 4070'-4077'	2/FT	2/20/02
	MISSISSIPPI - 4106'-4117'	1/FT	2/20/02
	MISSISSIPPI - 4122'-4130'	1/FT	2/20/02

TUBING RAN - 15' MA, S.N., 132 JTS NEW 2 3/8" (4092.00')

TUBING SET @ - 4111.10' (30' OFF BOTTOM 2/27/02)

AVERAGE TBG JT. - 31.00'

PUMP RAN - 2" x 1½" x 12' RWTC (1/6' GAS ANCHOR)

RODS RAN - PUMP, 2', 163 - NEW ¾", 4', P.R.

PUMP SET @ - 4096.10'

PUMPING UNIT - BETHLEHAM 80, SERIAL # - 5 - 325

PRIME MOVER - CONTINENTAL C-66

SURFACE EQUIPMENT - SEE DUNKELBERGER #1

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2/20/02 -

COMANCHE WELL SERVICE ON LOCATION. RIG UP D-D DERRICK. SWAB 4½" CASING DOWN TO 3500' FROM SURFACE.

ELI WIRELINE ON LOCATION TO RUN DUAL RECEIVER CEMENT BOND LOG & PERFORATE MISSISSIPPI.

FOUND TTL DEPTH - 4149' (9' HIGH TO TOP, INSERT @ 4158')

FOUND TOP OF CEMENT - 3494' WITH POOR BONDING THROUGHOUT MISSISSIPPI INTERVALS.

ELI RIGGED TO PERFORATE PROPOSED INTERVALS IN MISSISSIPPI UTILIZING 32 GRAM EXPENDABLE CSN GUNS.

PERFORATE MISSISSIPPI - 4070'-4077' WITH 2 SHOTS/FT
PERFORATE MISSISSIPPI - 4106'-4117' WITH 1 SHOT/FT
PERFORATE MISSISSIPPI - 4122'-4130' WITH 1 SHOT/FT

COMANCHE SWABBED WELL DOWN TO TTL DEPTH, SHOW OF OIL & GAS.
½ HOUR NATURAL TEST - RECOVERED 50' FLUID, 25% OIL, 8 MCF GAS.

SHUT DOWN FOR NIGHT.

2/21/02 -

SICP - 320#

FL. LEV. - 3340' DOWN

FREE OIL - 219'

OIL % = 30%

SBHP - CALCULATES 679 psi

COMANCHE SWABBED WELL DOWN. RECOVERED 11.69 BBLs.

½ HOUR TEST - RECOVERED 50' FLUID, 30% OIL, TEST GAS @ 8 MCFPD

ACID SERVICES ON LOCATION TO ACIDIZE ALL MISSISSIPPI PERFS WITH 2500 GALS 15% DSFE AND 50 BALL SEALERS.

ACIDIZE ALL MISSISSIPPI PERFORATIONS AS FOLLOWS:

PUMP 500 GALS 15% DSFE ACID

PUMP 2000 GALS 15% DSFE ACID w/ 50 BALLS SPACED EQUALLY.

LOAD HOLE w/ FIELD BRINE.

PRESSURE TO 800 psi & ACID STARTED FEEDING.

DISPLACE 500 GALS ACID @ 3.7 BPM - 800# - 1500# - 400#

DISPLACE 2000 GALS ACID @ 4 BPM - 400# - 150# - 850#

NOTE: OBSERVED EXCELLENT BALL ACTION LAST 500 GALS.

TTL LOAD - 125 BBLs, ISIP - VAC.

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2/21/02 CONTINUED -

COMANCHE RIGGED TO SWAB BACK ACID LOAD AND TEST MISSISSIPPI PERFS AFTER ACID.

SWAB TEST MISSISSIPPI AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 1000'

SWAB WELL DOWN. RECOVER 56.78 BBLs

<u>1/2 HOUR TEST</u> -	RECOVERED 6.68 BBLs	5% OIL	TEST GAS @ 11 MCFPD
<u>1/2 HOUR TEST</u> -	RECOVERED 3.34 BBLs	4% OIL	TEST GAS @ 8 MCFPD
<u>1/2 HOUR TEST</u> -	RECOVERED 1.67 BBLs	3% OIL	TEST GAS @ 6 MCFPD
<u>1/2 HOUR TEST</u> -	RECOVERED 4.17 BBLs	3% OIL	TEST GAS @ 11 MCFPD

ACID SERVICES ON LOCATION TO FRACTURE MISSISSIPPI PERFS WITH 38,750 GALS 70% NITROGEN FOAM AND 50,000# SAND, TAILING IN WITH 6000# 12/20 RESONATED SAND TO MINIMIZE POTENTIAL OF SAND PRODUCTION.

FRACTURE MISSISSIPPI PERFORATIONS AS FOLLOWS:

PUMP 14,000 GALS 70% N2 FOAM PAD. ESTABLISH INJECTION RATE @ 18 BPM - 1,650#.

PUMP 4,000# 20/40 SAND @ 1 PPG (4,000 GALS) - 18 BPM - 1,550#.

PUMP 8,000# 20/40 SAND @ 2 PPG (4,000 GALS) - 18 BPM - 1,450#.

PUMP 7,500# 20/40 SAND @ 2 1/2 PPG (3,000 GALS) - 18 BPM - 1,450#.

PUMP 12,500# 12/20 SAND @ 2 1/2 PPG (5,000 GALS) - 18 BPM - 1,500#.

PUMP 12,000# 12/20 SAND @ 3 PPG (4,000 GALS) - 18 BPM - 1,500#.

PUMP 6,000# 12/20 AC-FRAC SAND @ 3 PPG (2,000 GALS) - 18 BPM - 1,500#.

FLUSH SAND TO PERFORATIONS w/ 2,750 GALS N2 FOAM - 18 BPM - 1,675#.

ISIP - 1,450#

TTL LIQUID LOAD TO RECOVER - 276 BBLs.

SHUT WELL IN FOR NIGHT.

2/22/02 -

SICP - 690#

COMANCHE RIGGED TO FLOW TEST MISSISSIPPI PERFORATIONS AFTER FRAC.

FLOW TEST AS FOLLOWS:

<u>4 HOURS FLOWING</u> -	RECOVER APPROX. 160 BBLs	FCP - 150#	
<u>1 HOUR FLOW</u> -	RECOVER 40.08	TEST GAS @ 1233 MCFPD	FCP - 90#
<u>1 HOUR FLOW</u> -	RECOVER 43.42	TEST GAS @ 1146 MCFPD	FCP - 80#
<u>1 HOUR FLOW</u> -	RECOVER 33.40	TEST GAS @ 1146 MCFPD	FCP - 80#
<u>1 HOUR FLOW</u> -	RECOVER 31.73 BBLs, 11% OIL	TEST GAS @ 1146 MCFPD	
<u>1 HOUR FLOW</u> -	RECOVER 21.71 BBLs, 10% OIL	TEST GAS @ 1146 MCFPD	

SHUT WELL IN FOR WEEKEND.

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2/25/02 -

SICP - 640#

SBHP - CALCULATES 728 psi

COMANCHE RIGGED TO CONTINUE FLOW TESTING MISSISSIPPI PERFORATIONS AFTER FRAC.

CONTINUE FLOW TESTING MISSISSIPPI AFTER FRAC. AS FOLLOWS:

<u>1 HOUR FLOW</u> - RECOVER 22.54 BBLS	10% OIL	TEST GAS @ 1146 MCFPD
<u>1 HOUR FLOW</u> - RECOVER 21.71 BBLS	20% OIL	TEST GAS @ 1064 MCFPD
<u>1 HOUR FLOW</u> - RECOVER 16.70 BBLS	10% OIL	TEST GAS @ 893 MCFPD
<u>1 HOUR FLOW</u> - RECOVER 15.03 BBLS	10% OIL	TEST GAS @ 802 MCFPD
<u>1 HOUR FLOW</u> - RECOVER 11.69 BBLS	10% OIL	TEST GAS @ 700 MCFPD
<u>1 HOUR FLOW</u> - RECOVER 11.69 BBLS	10% OIL	TEST GAS @ 599 MCFPD

SIOUX TRUCKING ON LOCATION w/ 2 3/8" TUBING. UNLOADED APPROX. 4125' NEW 2 3/8" TUBING FOR PRODUCTION STRING. UNLOADED AND STRUNG APPROX. 1300' NEW 2 3/8" TUBING FROM #2 WELL TO #4 WELL FOR LEAD LINE. (ALL FROM OPIK STOCK) UNLOADED 4125' NEW 3/4" RODS PURCHASED FROM SMITH SUPPLY. SHUT DOWN FOR NIGHT.

2/26/02 -

SICP - 570#

SBHP - CALCULATES - 647 psi. (ASSUME NO FLUID)
TO WINDY TO RUN TUBING.
SHUT DOWN FOR NIGHT.

2/27/02 -

SICP - 600#

BLOW WELL DOWN.
GREAT PLAINS FLUID SERVICE ON LOCATION w/ HIGH PRESSURE TRUCK.
KILL w/ 50 BBLS KCL WATER.

RIG TO RUN PRODUCTION TUBING.

RAN PRODUCTION TUBING AS FOLLOWS:

MUD ANCHOR X 2 3/8"	15.00'
SEATING NIPPLE X 2 3/8"	1.10'
132 JTS 2 3/8" NEW TUBING	4092.00'
K.B. (5' < 2' ABOVE G.L.)	3.00'
TUBING SET @	4111.10'
S.N. SET @	4096.10'

TAG TTL DEPTH (BY TBG TALLY) @ 4141'. PICKED UP & SET TBG 30' OFF BOTTOM.
NOTE: (WE HAVE 8' SAND FILL-UP. TTL DEPTH SHOULD BE 4149')

ORIGINAL

2/27/02 CONTINUED -

RIGGED TO RUN BOTTOM HOLE PUMP & NEW STRING OF 3/4" RODS.

RAN RODS AS FOLLOWS:

2" x 1 1/2" x 12' RWTC (w/ 6' GAS ANCHOR)	14.00'
2' x 3/4" ROD SUB	2.00'
163 - NEW 3/4" NORRIS RODS	4075.00'
4' x 3/4" ROD SUB	4.00'
1 1/4" x 16' P. R. w/ 6' LINER	16.00'
PUMP SET @	4096.10'

COMANCHE CLAMPED RODS OFF. RIG DOWN & MOVED OFF LOCATION.

2/28/02 - 3/1/02 -

SIOUX TRUCKING ON LOCATION. STRING APPROX 1300' OF NEW 2 3/8" TUBING FROM WELL TO DUNKELBERGER #2 WELL. THIS IS FOR SINGLE LEAD LINE.

SIOUX TRUCKING ON LOCATION WITH BETHLEHAM 80 PUMPING UNIT & CONTINENTAL C-66 ENGINE FROM VORAN-E, & SET UNIT ON PAD.

SPIVEY OIL FIELD ON LOCATION. DITCHED & LAID 2 3/8" LEAD LINE FROM WELL TO #2 WELL & TIED IN.

LAID 1" GAS SUPPLY LINE BACK TO #4 WELL FOR ENGINE GAS SUPPLY.

HOOKED UP WELL HEAD.
PUT WELL IN SERVICE @ 8.5 SPM x 44" STROKE.

3/6/02 -

WELL PRODUCING APPROX 150 MCFPD AND 5 BOPD.
WILL RE-SHIEVE ENGINE TO MOVE MORE FLUID.

END OF REPORT
BRAD SIROKY

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

SALES & SERVICE OFFICE:
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 P.O. Box 8647 Wichita, KS 67208			112089	12/31/01	4349	12/28/01
Service Description						
Cement						
Lease					Well	
Dunkelberg					4	
A/E	Customer Rep	Treater	Well Type	Purchase Order	Terms	
	Lavone Urban	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>
D203	60/40 POZ (COMMON)	SK	175	\$7.75	\$1,356.25
C310	CALCIUM CHLORIDE	LBS	453	\$0.75	\$339.75
F143	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00
E107	CEMENT SERVICE CHARGE	SK	175	\$1.50	\$262.50
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	42	\$3.00	\$126.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	317	\$1.25	\$396.25
R200	CASING CEMENT PUMPER, 0-300'	EA	1	\$630.00	\$630.00

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Sub Total:	\$3,195.75
Discount:	\$926.68
Discount Sub Total:	\$2,269.07
Tax Rate: 5.90%	Taxes: \$0.00
(T) Taxable Item	Total: \$2,269.07

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



INVOICE NO:
Date 7-28-01
Customer ID

Subject to Correction

FIELD ORDER 4349

Lease DUNKEL BERGER	Well # 4	Legal 15-30S-7W
County KINGMAN	State KS	Station PRATT
Depth	Formation	Shoe Joint 15' CUSTOMER REQ
Casing 85/8	Casing Depth 273'	TD 280'
Customer Representative LAURIE UEBEL	Treater T-SERBA	Job Type SURFACE NEW WELL

CHARGE

OIL PRODUCERS INC OF KS

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

Materials Received by X Laurie Uebel

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-203	175 SK	60/40 P02	✓			
C-310	453 lbs	CALCIUM CHLORIDE	✓			
F-143	1 EA	WOODEN PLUG 85/8	✓			
RECEIVED						
JUN 04 2002						
KCC WICHITA						
E-107	175 SK	CEMENT SERV. CHARGE				
E-100	42 MF	UNITS 1 way MILES 42				
E-104	317 JM	TONS MILES				
R-200	1 EA	EA. 873' PUMP CHARGE				
		DISCOUNTED PRICE =		2,269.07		
		+ TAXES				

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.	12-28-01
Leased DUNKLE BERGER	Lease No.
	Well # 4

Field Order # 4349	Station PRATT	Casing 8 5/8	Depth 273'	County KENNEMAN	State KS
Type Job SURFACE NEW WELL ✓	Formation	Legal Description 15-305-7W			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Adm 75 SLS 60/40 POC		RATE	PRESS	ISIP
Depth 273'	Depth	From	To	Pre Pad 240 GAL 3 1/2 C.C	Max			5 Min.
Volume	Volume	From	To	Pad 14.7 H/GAL	Min			10 Min.
Max Press	Max Press	From	To	Frac 1.25#3	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 LAWRENCE CRIBBINS	Station Manager D. ATRY	Treater T. SEBA
Service Units 108	23	38 72

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
19:45					RECEIVED
20:00					called out on la w/ truck SAFETY mtg
					1 JUN 0.4 2002 KCC WICHITA
24:00					Run 60T's 8 5/8 CSG 20"
24:55					START CSG
1:00					CSG ON BOTTOM
1:05					Hook up TO CSG
1:20	100		10	4.5	BREAK CIRC W/ RIG
					START PUMPBACK H ₂ O
					START MIX CMT
					FINISHED MIX CMT
			30.95		SHUT DOWN
					RELEASE PLUG
1:40				4	START DESP
1:44			16.8		PLUG DOWN
1:45	150				CLOSE VALVE ON CSG
					GOOD CIRC THEN JOB
					CIRC OUT TO P.O. ✓
					JOB COMPLETE
					THANKS TODD



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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				201008	1/8/02	4383	1/2/01
P.O. Box 8647				Service Description			
Wichita, KS .67208				Cement			
				Lease		Well	
				Dunkel Berger		4	
A/E	Customer Rep	Treater		Well Type	Purchase Order	Terms	
	Brad Siroky	K. Gordley		New Well		Net 30	

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D105	AA2 (PREMIUM)	SK	125	\$13.56	\$1,695.00
D203	60/40 POZ (COMMON)	SK	25	\$7.75	\$193.75
C196	FLA-322	LB	59	\$7.25	\$427.75
C243	DEFOAMER	LB	12	\$3.00	\$36.00
C322	GILSONITE	LB	625	\$0.55	\$343.75
C223	SALT (Fine)	LBS	645	\$0.35	\$225.75
C141	CC-1, KCL SUBSTITUTE	GAL	2	\$40.00	\$80.00
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00
F100	CENTRALIZER, 4 1/2"	EA	5	\$67.00	\$335.00
F150	LATCH DOWN PLUG & BAFFLE, 4 1/2"	EA	1	\$230.00	\$230.00
F180	AUTO FILL FLOAT SHOE, 4 1/2"	EA	1	\$230.00	\$230.00
E107	CEMENT SERVICE CHARGE	SK	150	\$1.50	\$225.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	42	\$3.00	\$126.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	294	\$1.25	\$367.50
R209	CASING CEMENT PUMPER, 4001-4500'	EA	1	\$1,680.00	\$1,680.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

Sub Total: \$6,820.50

Discount: \$1,841.53

Discount Sub Total: \$4,978.97

Tax Rate: 5.90%

Taxes: \$0.00

(T) Taxable Item

Total: \$4,978.97

RECEIVED

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KCC WICHITA

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



INVOICE NO.

FIELD ORDER

4383

Subject to Correction

Date 1-2-01

Lease DUNKELBERGER

Well # 4

Legal 15-30-7

Customer ID

County KOWGIMAN

State KS

Station PRATT, KS

CHARGE

OR PRODUCERS INC. OF KS.

Depth Formation

Shoe Joint 41.90'

Casing 4 1/2

Casing Depth 4198

TD 4200

Job Type CONCRETE-MATERIAL

Customer Representative

B. SPOKY

Treater

K. CORNEY

AFE Number

PO Number

Materials Received by

X BRAD SPOKY

BY: KEVIN CORNEY

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D105	125 SK.	AAZ PREMIUM CEMENT	✓			
D203	25 SK.	60/40 POZ CEMENT	✓			
C196	59 lb.	FLA-322	✓			
C243	12 lb.	DEFOAMER	✓			
C322	625 lb.	GIBSONITE	✓			
C223	645 lb.	SPAC	✓			
C141	2 gal.	CC-1	✓			
C302	500 gal.	MUD FLUSH	✓			
F100	5 EA.	4 1/2 TURBOLIZER	✓			
F150	1 EA.	4 1/2 L.D. PUMP & BAFFLE	✓			
F180	1 EA.	4 1/2 AFU FLOAT SHOE	✓			
E107	150 SK.	CEMENT SERV. CHARGE				
E100	42 miles	UNITS MILES				
E104	294 TONS	TONS MILES				
R209	1 EA.	EA. 4198' PUMP CHARGE				
R201	1 EA.	CEMENT HEAD RENTAL				
DISCOUNT PRICE =				4978.97		
PLUS TAX						

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TREATMENT REPORT



Customer ID		Date	
Customer DD PROD INC. OF KS.		1-2-02	
Lease DUNKELBERGER		Lease No.	Well # 4
Field Order # 4383	Station PRATT, KS	Casing 4 1/2	Depth 4198'
Type Job LOWCOSTRING - NEW WELL		Formation TD-4200'	County KINGMAN
		State KS	Legal Description 15-30-7

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shots/Ft		Acid 125 SK. AA2 CEMENT		RATE	PRESS	ISIP
Depth 4198	Depth	From	To	Pro-Pac 10% SMT .5% FLU-322	Max			5 Min.
Volume	Volume	From	To	5 SK GISONITE	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 4157	Packer Depth	From	To	Flush 25 SK 60/40 POZ	Gas Volume			Total Load

Customer Representative: B. SOROKY Station Manager: D. AUSTRY Treater: K. GORDLEY

Service Units	107	26	36	72
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1900					ON LOCATION
					RUN 4198' 4 1/2 CSG. RUN FLOAT
					SHOE, LATCH DOWN BAFFLE IN 1 ST COLLAR
					CENTRALIZER - 1-4-7-10-12
					THG BOTTOM, DROP BALL, BREAK CONC.
2300	400		20	6	PUMP 20 bbl H ₂ O
	400		12	6	PUMP 12 bbl MUD FLUSH
	400		5	6	PUMP 5 bbl H ₂ O SPACER
	200		31	6	MIX CEMENT
					125 SK. AA2 CEMENT
					SHUT DOWN - WASH LINE - DROP PLUG
	0		0	8	START DISP.
	300		48	8	START LEFT CEMENT
	700		62	5	SLOW RATE
2325	1200		66	5	PLUG DOWN
					RELEASE - HEAD
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2400					PLUG RH & M.H. 25 SK 60/40 POZ
					JOB COMPLETE
					THANKS - KEVEN