

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
Purchaser: Duke Energy Field Services, Inc.
Operator Contact Person: Diana Richecky
Phone: (316) 681-0231
Contractor: Name: Pickrell Drilling Co.
License: 5123
Wellsite Geologist: William H. Shepard

RECEIVED

OCT 29 2003

KCC WICHITA

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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>02/28/2003</u>	<u>03/18/2003</u>	<u>06/03/2003</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 097-21506-00-00
County: Kiowa
E/2 SW SE Sec. 32 Twp. 30 S. R. 19 East West
660 feet from (S) / (X) (circle one) Line of Section
1650 feet from (E) / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Liggett Well #: 1-32
Field Name: Wiggins Creek

Producing Formation: Mississippi-Dolomite
Elevation: Ground: 2126 Kelly Bushing: 2131
Total Depth: 5220 Plug Back Total Depth: 5166
Amount of Surface Pipe Set and Cemented at 669 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 See 11-14-03
(Data must be collected from the Reserve Pit)

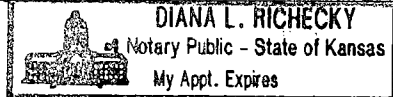
Chloride content 11,200 ppm Fluid volume 100 bbls
Dewatering method used Hauled to SWD

Location of fluid disposal if hauled offsite:
Operator Name: Star Resources
Lease Name: Currier 2-9 License No.: 32389
Quarter E/2 Sec. 20 Twp. 32 S. R. 18 East West
County: Comanche Docket No.: D-27668

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: 10/28/2003
Subscribed and sworn to before me this 28 day of October,
19 2003.
Notary Public: [Signature]
Diana L. Richecky
Date Commission Expires: 1/12/2004



KCC Office Use ONLY

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

X

Operator Name: Oil Producers Inc. of Kansas Lease Name: Liggett Well #: 1-32
 Sec. 32 Twp. 30 S. R. 19 East West County: Kiowa

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 <input checked="" type="checkbox"/> Yes No (<i>Attach Additional Sheets</i>) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes No Cores Taken Yes <input checked="" type="checkbox"/> No Electric Log Run Yes <input checked="" type="checkbox"/> No (<i>Submit Copy</i>) List All E. Logs Run: Geological Report, Sonic Log, Micro Log, Compensated Density/Neutron PE Log, Dual Receiver Cement Bond Log, Dual Induction Log	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum Sample Name Top Datum See Note 1
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CASING RECORD <input checked="" type="checkbox"/> New 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
See Note 2							

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	See Initial Completion Report		

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	<input checked="" type="checkbox"/> No
		2 3/8	5145.38				
Date of First, Resumed Production, SWD or Enhr.		Producing Method					
06/03/2003		Flowing		<input checked="" type="checkbox"/> Pumping		Gas Lift Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio		Gravity	
		54	47				

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

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

ORIGINAL

Liggett 1-32 Attachment							
Note 1	Top	Datum					
Heebner	4156	-2025					
Brown Line	4340	-2209					
Lansing Kansas City	4365	-2234					
Cherokee	4933	-2802					
Mississippi	5017	-2886					
LTD	5216	-3085					
RTD	5220	-3089					
Note 2							
Purpose of String	Size Hole Drilled	Size of Casing Set	Weight Lbs/Ft	Setting Depth	Type of Cement	#Sacks Used	Type & Percent Additives
Conductor		20		101	A-Servlite 60/40 Poz	160 120	3%cc 1/4 # cellflake/sack 3%cc 1/4 # cellflake/sack
Conductor		13 3/8	48#	316	60/40 Poz	150	3%cc, 1/4# cellflake/sack
				90	A-Servlite	150	4%cc, 1/4# cellflake/sack-dwn backside
				80	60/40 Poz	50	3%cc, 1/4# cellflake/sack-dwn backside
Surface		8 5/8	24#	669	A-Servlite	170	3%cc, 1/4# cellflake/sack
					60/40 Poz	125	2%gel, 3%cc, 1/4# cellflake/sack
				220'-surface	60/40 Poz	210	2%gel, 3%cc, 1/4# cellflake/sack-dwn backside
Production		4 1/2	10.5#	5219	AA-2	125	gas blocker



Conductor
ORIGINAL

SALES OFFICE:
 100 S. Main
 Suite #607
 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			302135	2/28/03	5836	2/26/03
P.O. Box 8647			Service Description			
Wichita, KS 67208			Cement			
			Lease		Well	
			Liggett		1-32	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	B. Casper	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>
D206	A-SERV LITE (COMMOM)	SK	160	\$8.65	\$1,384.00 (T)
D203	60/40 POZ (COMMON)	SK	120	\$7.84	\$940.80 (T)
C194	CELLFLAKE	LB	70	\$2.00	\$140.00 (T)
C310	CALCIUM CHLORIDE	LBS	726	\$0.75	\$544.50 (T)
E107	CEMENT SERVICE CHARGE	SK	280	\$1.50	\$420.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	45	\$3.25	\$146.25
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	545	\$1.30	\$708.50
R200	CASING CEMENT PUMPER, 0-300' 1ST 4 HRS ON LOC.	EA	1	\$662.00	\$662.00

Sub Total: \$4,946.05
Discount: \$1,632.63
Discount Sub Total: \$3,313.42
Tax Rate: 6.30% **Taxes:** \$127.01
 (T) Taxable Item **Total:** \$3,440.43

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.		Subject to Correction		FIELD ORDER 5836	
Date	2-26-03	Lease	Liggett	Well #	1-32
Customer ID		County	Hiowa	State	KS
Oil Producers Inc of KS		Depth	77 = 101 "	Formation	90 ppf
Casing	20'	Casing Depth	101	TD	101
Customer Representative			Treater		
Bob Casper			D. Scott		
Shoe Joint		10' Requested			
Job Type		Conductor New Well			

CHARGE

AFE Number	PO Number	Materials Received by	X Bob Casper
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D206	160 sk	A-Serv Lite Common	✓			
D203	120 sk	60/40 pps Common	✓			
C194	70 lb	Cell/Plake	✓			
C310	726 lb	Calcium Chloride	✓			
E107	280 sk	Cmt Serv Chg				
E100	1 eq	UNITS 1way MILES 45				
E104	545 tm	TONS 1way MILES 45				
R200	1 eq	EA. 0-300' PUMP CHARGE				
Discounted Price =				3313.42		

TREATMENT REPORT



Customer ID	Date
Customer Oil Producers Inc of KS	2-26-03
Lease Liggett	Lease No.
	Well # 1-32

Field Order # 5836	Station Pratt KS	Casing 20 in	Depth	County Kiowa	State KS
Type Job Conductor New Well	Formation	Legal Description 32-30s-19w			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 20 in	Tubing Size	Shots/Ft		Acid 160 ski A-Serv 3% CC 1/4 C.F.	RATE	PRESS	ISIP
Depth 91	Depth PBD	From	To	Pre Pad 12.2 ppg 3% CC 2.01 ft	Max		5 Min.
Volume	Volume	From	To	Post Pad 120 ski 60/40 por 3% CC 1/4 C.F.	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To	57 + 26.7 = 83.7	HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush Fresh H ₂ O	Gas Volume		Total Load

Customer Representative Bob Casper	Station Manager Dave Autry	Treater D. Scott	
Service Units 106	27	44	76

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1600					On loc w/ Trki Safety mtg
1700					Csg on Bottom Est Circ w/ Trk
1705	100		57	3 1/2	St mixing head amt @ 12.2 ppg 160 ski
1700	100		27	3 1/2	St mixing Tail amt @ 14.5 ppg 120 ski
1715	100		0	3	St Disp w/ H ₂ O
1745	150		28	0	Disp In + Chase In w. H.
					Circ 13 Bbli Amt = 40 ski
					Trouble w/ Air System on 2/27
					under Disp Amt
					Job Complete
					Thank you
					Scotty



Conductor
ORIGINAL

SALES OFFICE:
100 S. Main
Suite #607
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		303027	3/11/03	6057	3/6/03
Service Description					
Cement					
Lease				Well	
Liggett				1-32	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	B. Kasper	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>
D206	A-SERV LITE (COMMOM)	SK	150	\$8.65	\$1,297.50 (T)
D203	60/40 POZ (COMMON)	SK	200	\$7.84	\$1,568.00 (T)
C310	CALCIUM CHLORIDE	LBS	1029	\$0.75	\$771.75 (T)
C194	CELLFLAKE	LB	88	\$2.00	\$176.00 (T)
F306	BAFFLE PLATE ALUMINUM, 13 3/8"	EA	1	\$150.00	\$150.00 (T)
F165	WOODEN CEMENT PLUG, 13 3/8"	EA	1	\$172.00	\$172.00 (T)
F126	BASKET, 13 3/8"	EA	2	\$335.00	\$670.00 (T)
R402	CEMENT PUMPER, ADDITIONAL HRS ON LOCATION	HR	2	\$210.00	\$420.00
E107	CEMENT SERVICE CHARGE	SK	350	\$1.50	\$525.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	45	\$3.25	\$146.25
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	678	\$1.30	\$881.40
R201	CASING CEMENT PUMPER, 301-500' 1ST 4 HRS ON LOC.	EA	1	\$704.00	\$704.00

Sub Total:	\$7,481.90
Discount:	\$2,651.05
Discount Sub Total:	\$4,830.85
Tax Rate: 6.30%	Taxes: \$195.46
(T) Taxable Item	Total: \$5,026.31

Intangible

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.		Subject to Correction		FIELD ORDER		6057		
Date	3-6-03	Lease	LIGGETT	Well #	1-32	Legal	32-30S-19W	
Customer ID		County	KIOWA	State	Ks	Station	FRAIT	
CHARGE	Oil Producers Inc. of ks.		Depth	48 1/4	Formation	Shoe Joint	40.10 BAFFLE PLATE	
	Casing	1 3/8	Casing Depth	311	TD	316'	Job Type	13 3/8 NEW WELL
	Customer Representative			Bob KASPEL		Treater		J. SPBA

AFE Number	PO Number	Materials Received by	X Bob Kasper
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-206	150 SKU	A-SERV LITE (1")				
D-203	150 SKU	60/40 Poz (BOTTOM)				
C-310	900 lbs	Calcium Chloride				
C-194	65 lbs	CELLFLAKE				
F-306	1 EA	BAFFLE PLATE Alum 1 3/8			(DID NOT RUN)	
F-165	1 EA	WOODEN PLUG			" " "	
F-126	2 EA	BASKET CMT			"	
		(TOPOFF)				
R-402	2 EA	Add Hrs				
D-203	50 SKU	60/40 Poz				
C-310	129 lbs	Calcium Chloride				
C-194	13 lbs	CELLFLAKE				
E-107	50 SKU	CEMENT SERV. CHARGE				
E-104	100 TM	TW WEIGHT				
E-107	300 SKU	CEMENT SERV. CHARGE				
E-100	45 MF	UNITS /WAY MILES 45				
E-104	578 TM	TONS MILES				
R-201	1 EA	EA. 311' PUMP CHARGE				
		DISCOUNTED PRICE =		4,830.85		
		+ TAXES				

ORIGINAL

TREATMENT REPORT



Customer ID	Date
Customer O. P. INC OF KS	3-6-03
Lease LIGGETT	Lease No. Well # 1-32

Field Order # 6057	Station PRATT	Casing 13 3/8	Depth 311'	County KIOWA	State KS
Type Job 13 3/8 NEW WELL	Formation TD=216'	Legal Description 32-305-19W			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 13 3/8	Tubing Size	Shots/Ft		Acid 150 SKS 6040 P2		RATE	PRESS	ISIP
Depth 311'	Depth	From	To	Pre Pad 3 3/4 CC 1/4" COLL P	Max AKO			5 Min.
Volume	Volume	From	To	Pad 14.7 #/GAL 1.25 FT ³	Min			10 Min.
Max Press	Max Press	From	To	Frac #	Avg			15 Min.
Well Connection	Annulus Vol.	From	To	150 SKS A-SEW-1 LTB	HHP Used 4 1/2 CC 1/4" COLL P			Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush 13 #/GAL 1.83 FT ³	Gas Volume			Total Load

Customer Representative BOB KASPER	Station Manager DAVE AULTRY	Treater T. SEBA
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:30					CALLER OUT
12:00					ON LOC W/TKR'S = SAFETY MTG.
					RUN 8 JT'S 13 3/8 4 1/2" CSG. = 311.23
					CMT BSKTS 2-6
15:30					START CSG
19:30					CSG ON BOTTOM
					Hook up TO CSG
19:45					BREAK CIRC W/ REG (NO CIRC)
20:00	0		33.39	4	START MAX & PUMP 150 SKS 6040 P2 @ 14.7 #/GAL
			46.52		SHUT DOWN START DESP
20:30					CLOSED SHUT DOWN / Close VALVE ON CSG.
					RUN 80' 1"
20:45		125	48.89	2	START MAX & PUMP 150 SKS A-SEW-1 LTB @ 13 #/GAL
					SHUT DOWN
21:10					CIRC CMT TO SURFACE
					CMT FELL 10'
21:20					ORDER MORE CMT 150 SKS 6040 P2
23:45					12L ON LOC
					CMT DOWN 30'
24:00			11.13	2	MAX & PUMP 50 SKS 6040 P2 TOP OFF
24:30					CMT TO SURFACE

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



Surface
ORIGINAL

SALES OFFICE:
100 S. Main
Suite #607
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		303028	3/11/03	6058	3/7/03
P.O. Box 8647		Service Description			
Wichita, KS 67208		Cement			
		Lease		Well	
		Liggett		1-32	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	B. Kasper	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>
D206	A-SERV LITE (COMMOM)	SK	170	\$8.65	\$1,470.50 (T)
D203	60/40 POZ (COMMON)	SK	335	\$7.84	\$2,626.40 (T)
C310	CALCIUM CHLORIDE	LBS	1304	\$0.75	\$978.00 (T)
C194	CELLFLAKE	LB	117	\$2.00	\$234.00 (T)
F163	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00 (T)
F303	BAFFLE PLATE ALUMINUM, 8 5/8"	EA	1	\$72.00	\$72.00 (T)
F123	BASKET, 8 5/8"	EA	2	\$290.00	\$580.00 (T)
R402	CEMENT PUMPER, ADDITIONAL HRS ON LOCATION	HR	2	\$210.00	\$420.00
E107	CEMENT SERVICE CHARGE	SK	505	\$1.50	\$757.50
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	973	\$1.30	\$1,264.90
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	45	\$3.25	\$146.25
R202	CASING CEMENT PUMPER, 501-1,000' 1ST 4 HRS ON LOC.	EA	1	\$924.00	\$924.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

Sub Total: \$9,808.55

Discount: \$3,501.61

Discount Sub Total: \$6,306.94

Tax Rate: 6.30% **Taxes:** \$244.92

(T) Taxable Item

Total: \$6,551.86

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.	Subject to Correction			FIELD ORDER	6058
Date 3-7-03	Lease LIGGETT	Well # 1-32	Legal 32-30S-19W		
Customer ID	County KIOWA	State KS	Station PRATT		
CHARGE	Oil Producers Inc of Ks.	Depth 24 7/8 FT	Formation	Shoe Joint 35-64 Baffle	
		Casing 8 5/8	Casing Depth 609'	TD 674'	Job Type 8 5/8 NEW WELL
		Customer Representative Bob KASPER	Treater T. SEBA		

AFE Number _____ PO Number _____ Materials Received by **X Bob Kasper**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-206	170 SKS	A-SERV-LITE				
D-203	125 SKS	60/40 P02				
C-310	762 lbs	CALCIUM CHLORIDE				
C-194	64 lbs	CELLPLATE				
F-163	1 EA	WOODEN PLUG 8 5/8				
F-303	1 EA	BAFFLE PLATE Alum "				
F-123	2 EA	CMT BASKET "				
		1" JOB				
D-203	210 SKS	60/40 P02				
C-310	542 lbs	CALCIUM CHLORIDE				
C-194	53 lbs	CELLPLATE				
R-402	2 hrs	Acid HCl				
E-107	210 SKS	CEMENT SERV. CHARGE				
E-104	401 TM	TN WEIGHT				
E-107	215 SKS	CEMENT SERV. CHARGE				
E-100	45 MI	UNITS /WAY MILES 45				
E-104	375 TM	TONS MILES				
R-202	1 EA	EA. PUMP CHARGE				
R-701	1 EA	CEMENT HEAD RENTAL				
		DISCOUNTED PRICED =		6,306.94		
		+ 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		3-7-03	
Lease LEGGETT		Lease No.	Well # 1-32
Field Order # 6858	Station PRATT	Casing 8 5/8	Depth 669'
Type Job 8 5/8 NEW WELL		County KIOWA	State KS
Formation TD: 674'		Legal Description S2-30S-19W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft	LEAO	Acid	170 SKS A-SERV-LITE	RATE	PRESS	ISIP
Depth 669'	Depth	From	To	Pre Pad	3 1/2 C.C. 1/4" CELL FLAKE	Max		5 Min.
Volume	Volume	From	To	Pad	13 1/2 GAL 1.81 FT ³	Min		10 Min.
Max Press	Max Press	From	To TAIL	Frac	125 SKS 60/40 P2	Avg		15 Min.
Well Connection	Annulus Vol.	From	To	Flush	3 1/2 C.C. 1/4" CELL FLAKE	HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To		14.7 #/GAL 1.25 FT ³	Gas Volume		Total Load

Customer Representative BOB KASPER	Station Manager DAVE AURTY	Treater T. SEBA
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Service Units	114	35	57	39	72	34	75
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
07:30					CALLED OUT
10:30					ON LOC W/ TRK'S & SAFETY MTG
					RUN JT'S 8 5/8 24" CSG
					BAFFLE LIT = 35.64 CMT BSLTS 11-12
15:45					START CSG
					CSG ON BOTTOM
16:30					HOCK UP TO CSG & BREAK C SKC W/ 100% CIRC
16:45			54.80	4	START MAX & PUMP 170 SKI A-SERV-LITE 13 1/2 GAL
			27.83		START MAX & PUMP 125 SKI 60/40 P2 14.7 #/GAL
17:08			82.63		SHUT DOWN CLEAR RELEASE PLUG 8 5/8 WOODEN
17:10					START DISP
					PLUG DOWN PARTIAL CIRC
17:20	300				CLOSE VALVE ON CSG THEY JOB
					RUN 220' 1"
19:15				2.5	START MAX & PUMP 210 SKI 60/40 P2 14.7 #/GAL
			46.75		CMT IN CELLAR
19:45					SHUT DOWN
					CELLAR STAYING FULL
20:15					JOB COMPLETE
					THANKS TOO



Production
ORIGINAL

SALES OFFICE:
100 S. Main
Suite #607
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				303088	3/26/03	6063	3/18/03
				Service Description			
				Cement			
				Lease		Well	
				Liggett		1-32	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms		
	T. 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>
D105	AA2 (PREMIUM)	SK	125	\$13.74	\$1,717.50 (T)
D203	60/40 POZ (COMMON)	SK	35	\$7.84	\$274.40 (T)
C221	SALT (Fine)	GAL	649	\$0.25	\$162.25 (T)
C195	FLA-322	LB	95	\$7.50	\$712.50 (T)
C243	DEFOAMER	LB	12	\$3.00	\$36.00 (T)
C321	GILSONITE	LB	632	\$0.60	\$379.20 (T)
C312	GAS BLOCK	LB	89	\$5.00	\$445.00 (T)
F100	TURBOLIZER, 4 1/2"	EA	6	\$67.00	\$402.00 (T)
F210	AUTO FILL FLOAT SHOE, 4 1/2"	EA	1	\$250.00	\$250.00 (T)
F170	LATCH DOWN PLUG & BAFFLE, 4 1/2"	EA	1	\$230.00	\$230.00 (T)
F120	BASKET, 4 1/2"	EA	1	\$180.00	\$180.00 (T)
C141	CC-1, KCL SUBSTITUTE	GAL	2	\$40.00	\$80.00 (T)
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00 (T)
C303	SUPER FLUSH	GAL	250	\$3.25	\$812.50 (T)
E107	CEMENT SERVICE CHARGE	SK	160	\$1.50	\$240.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	45	\$3.25	\$146.25
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	333	\$1.30	\$432.90
R211	CASING CEMENT PUMPER, 5001-5500' 1ST 4 HRS ON LOC	EA	1	\$1,943.00	\$1,943.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

Sub Total: \$9,068.50

Discount: \$2,992.60

Discount Sub Total: \$6,075.90

Tax Rate: 6.30% **Taxes:** \$255.64

(T) Taxable Item

Total: \$6,331.54

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 6063

INVOICE NO.		Subject to Correction	
Date 3-18-03	Lease LIGGETT	Well # 1-32	Legal 32-305-19W
Customer ID	County KIOWA	State Ks	Station PRATT
CHARGE OIL PRODUCERS INC. OF KS.	Depth 105#1/A	Formation TP=3218' 10.5ppf	Shoe Joint 43.10 L.O Baffle
	Casing 4 1/2	Casing Depth 3218	TD S220
	Customer Representative TIM THOMPSON		Treater T. SEBA

AFE Number _____ PO Number _____

Materials Received by *[Signature]*

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-105	125 SKS	AA-2 (Prem)	✓			
D-203	35 SKS	6/40 Pozl (Common)	✓			
C-221	649 lbs	SAIT	✓			
C-195	95 lbs	PLA-322	✓			
C-243	12 lbs	DEFOAMER	✓			
C-321	632 lbs	GILSONITE	✓			
C-312	89 lbs	Gas-Blok	✓			
F-100	6 EA	Turbolizer 4 1/2	✓			
F-210	1 EA	APU FLOAT SHOE "	✓			
F-170	1 EA	L.O. PLUG & Baffle "	✓			
F-120	1 EA	CMT BSKT "	✓			
C-141	2 GAL	CC-1	✓			
C-302	500 GAL	MUD FLUSH	✓			
C-303	250 GAL	SUPER FLUSH	✓			
E-107	100 SKS	CEMENT SERV. CHARGE				
E-100	45 ME	UNITS 1WAY MILES 45				
E-104	333 TM	TONS MILES				
R-211	1 EA	EA. PUMP CHARGE				
R-701	1 EA	CEMENT HEAD RENTAL				
Discounted Price =				6075.90		

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.		3-18-03	
Lease LIGGETT	Lease No.	Well # 1-32	
Field Order # 6063	Station PRATT	Casing 4 1/2	Depth 3218'
Type Job 4 1/2" L.S. NEW WELL	Formation ID: 5220'	County KEOWN	State KS
		Legal Description 32-30S-19W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 4 1/2	Tubing Size	Shots/Ft		Acid 125 SK AA-2	10% SAIT	RATE 10% D-ADD-1	ISIP
Depth 3175	Depth PBTD	From	To	Pre Pad 80% FLA-32L .75%	Max Gas-Blok	5" GILSON	5 Min.
Volume 82.2	Volume	From	To	Pad 15#/gal 1.44	Min		10 Min.
Max Press 2600	Max Press	From	To	Frac 35SK 60/40 per	Avg R.M. Holes		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush 20 bbl SAIT 12 bbl M. Fluid	Gas Volume 6 bbl S. Flush		Total Load

Customer Representative IIM	Station Manager D. AUSTRY	Treater T. SEBA
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Service Units	114	27	36	70
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
					ON LOC W/ TRK'S & SAFETY MTC.
					RUN 122 JT'S 4 1/2" 10.5" CSG
					FLOAT SHOE? L.D. BOFFLE 1ST = 43.10
					CENT 1-4-8-12-16-20 CNT BASKT 1
					Log on Bottom Drop Ball Circ w/ Rig
1418	250		20	5	St 2% KCL flush
1421	250		12	5	St mud flush
1424	300		5	5	H2O Spacer
1427	300		6	5	St Super Flush
1429	300		5	5	H2O Spacer
1432	400		3	5	mix & pump 10 ski Scavenger Cont'd 11.0
1433	400		32	5	mix & pump 125 ski Cont'd 15.0 ppg
1442	0		10	5	Close In Wash Pump & line
1444	100			6.5	Release Plug & St Disp w/ H2O
1451	300		62	6.0	Lifting Cont Decrease Rate 60 Bbl/hr
1455	1500		82.2	0	Plug Down & psi Test Log
1457	0				Release psi float held
					Good Circ During Job
1510			8	2	Plug R.H. & M.H. w/ 23 ski 60/40 per
					Job Complete

Thank you Scotty

OIL PRODUCERS INC., OF KS.
INITIAL COMPLETION REPORT

WELL - LIGGETT #1-32

LEGAL - E/2-SW-SE OF SEC.-32-30s-19w IN KIOWA CO. KS.

API# - 15-097-21,506

K.B. - 5' ABOVE G.L. @ 2131'

G.L. - 2126'

SURFACE CSN - 13 3/8" @ 220', AND 8 5/8" @ 669' WITH 210 SX.

RTD - 5220'

LTD - 5216' (ELI OPEN HOLE LOG RAN 3/17/03)

PRODUCTION CASING - 4 1/2", 10.5# @ 5219' WITH 125 SX AA-2

TOP OF CEMENT - 4440' (W/MARGINAL CEMENT ACROSS MISS PAY INTERVALS)

PBTD - 5166' (ELI PERF GUN 4/22/03)

<u>PERFORATIONS</u> -	MISS DOLOMITE	5052'-5058'	2/FT	4/22/03
	MISS DOLOMITE	5085'-5094'	2/FT	4/22/03

TUBING RAN - 15' MA, SN, 164 JTS. 2 3/8" TUBING

TUBING SET @ - 5145.38' (SET 28' OFF BOTTOM)

AVERAGE TBG JT. - 31.25'

PUMP RAN - 2" X 1 1/2" X 14' RWBC WITH 6' GAS ANCHOR.

RODS RAN - PUMP, 2', 171 - 3/4" RODS, 33-7/8" RODS, 4' SUB, P.R.

PUMP SET @ - 5130.38'

PUMPING UNIT - AER 114 PUMPING UNIT.

PRIME MOVER - C-66

SURFACE EQUIPMENT -

- 6' X 15' HEATER TREATER
- 2 - 10' X 12' 200 BBL STEEL STOCK TANKS.
- 1 - 10' X 12' FIBERGLASS 200 BBL CLOSE TOP WATER TANK
- 3' X 16' VERTICAL GAS SEPARATOR WITH MANUAL DUMP.

4/22/03

COMANCHE WELL SERVICE ON LOCATION, RIG UP D-D DERRICK
 ELI WIRELINE ON LOCATION TO RUN CORRELATION AND BOND LOG.
FOUND TTL DEPTH - 5151' (THIS IS 24' HIGH TO TOP INSERT @ 5175')
FOUND TOP OF CEMENT - 4440' (WITH FAIR TO MARGINAL CEMENT ACROSS MISS)

COMANCHE SWABBED 4 ½" CASING DOWN TO 4500' FROM SURFACE.

ELI WIRELINE RIGGED TO PERFORATE PROPOSED INTERVALS IN MISS DOLOMITE
 UTILIZING 32 GRAM EXPENDABLE CASING GUNS.
PERFORATE MISS - 5085'-5094' WITH 2 SHOTS/FT.
PERFORATE MISS - 5052'-5058' WITH 2 SHOTS/FT.
FOUND TTL DEPTH 5166'. (MADE 15' HOLE WITH CASING SWAB TOOLS)

NOTE: AFTER PERFORATING 5085'-5094' FLUID LEVEL CAME UP HOLE TO 3900')

COMANCHE SWABBED 4 ½" CASING DOWN TO TTL DEPTH 5166'.
½ HR. NATURAL TEST - RECOVERED 50' WATER WITH SHOW OF GAS.

ACID SERVICES ON LOCATION TO ACIDIZE MISS INTERVALS WITH 2000 GALS 15% DSFE
 ACID AND 50 BALL SEALERS.

ACIDIZE BOTH MISS INTERVALS AS FOLLOWS:

PUMP 200 GALS 15% DSFE ACID.
 PUMP 1800 GALS 15% DSFE ACID WITH 50 BALL SEALERS SPACED EQUALLY.
 LOAD HOLE WITH 34 BBLs FIELD BRINE.
 PRESSURE TO 750#, ACID STARTED FEEDING.
 DISPLACE 200 GALS 15% DSFE @ 3 BPM - 400# TO 500#
 DISPLACED 1800 GALS ACID W/BALLS @ 5 BPM - 350# TO 450#.
 NOTE: OBSERVED FAIR TO POOR BALL ACTION.
 ISIP - 25#, VAC - 30 SECONDS.
TTL LOAD TO RECOVER - 129 BBLs.

COMANCHE RIGGED TO SWAB BACK ACID LOAD AND TEST MISS AFTER ACID.

TEST MISS INTERVALS AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 600' FROM SURFACE.
 SWAB WELL FOR ½ HR. RECOVERED 45 BBLs. WELL KICKED OFF FLOWING.
½ HR. FLOW TEST - RECOVERED 45 BBLs, SHOW OIL, GAS MEASUREMENT N/A
½ HR. FLOW TEST - RECOVERED 6.68 BBLs, 17% OIL, GAS MEASUREMENT N/A
TTL RECOVERY @ THIS POINT 96.86 BBLs.
 SHUT DOWN FOR THE NIGHT.

4/23/03

SICP - 800#.
 HAD TO SHUT DOWN DUE TO SEVERE THUNDERSTORMS.

4/24/03

SICP - 950#, FLUID LEVEL - 1400' DOWN, FREE OIL - 400'
CONTINUE TESTING MISS AFTER ACID AS FOLLOWS:
 SWAB WELL DOWN, RECOVERED 94 BBLs, 18% OIL, TEST GAS @ 243 MCFPD.
½ HR. SWAB TEST - RECOVERED 5.01 BBLs, 20% OIL, TEST GAS @ 253 MCFPD.

1/2 HR. SWAB TEST - RECOVERED 6.68 BBLs, 11% OIL, TEST GAS @ 243 MCFPD.
1/2 HR. SWAB TEST - RECOVERED 5.01 BBLs, 14% OIL, TEST GAS @ 231 MCFPD.
1 HR. SWAB TEST - RECOVERED 6.68 BBLs, 14% OIL, TEST GAS @ 211 MCFPD.
4/24 CONT.

SWAB TESTING MISS CONT.

1 HR. SWAB TEST - RECOVERED 8.35 BBLs, 11% OIL, TEST GAS @ 189 MCFPD.
SHUT DOWN FOR THE NIGHT.

4/25/03

SICP - 1200#, SBHP - CALCULATES MINIMUM OF 1403# (THIS IS PESIMISTIC AS SHUT IN FLUID LEVEL NOT KNOWN.

BLOW WELL DOWN. CONTINUE SWAB TESTING.

CONTINUE TESTING MISS AFTER ACID AS FOLLOWS:

FOUND FLUID LEVEL @ 2850' FROM SURFACE.

SWAB WELL DOWN, RECOVERED 30 BBLs.

1/2 HR. SWAB TEST - RECOVERED 10.02 BBLs, 8% OIL, TEST GAS @ 255 MCFPD

1/2 HR. SWAB TEST - RECOVERED 9.18 BBLs, 9% OIL, TEST GAS @ 230 MCFPD.

ELI ON LOCATION TO SET CIBP OVER LOWER MISS INTERVAL, TO TEST UPPER MISS INTERVAL ISOLATED, TO DETERMINE IF UPPER MISS INTERVAL WAS ACIDIZED PREVIOUSLY.

SET CIBP OVER LOWER MISS PERFS - 5075'

COMANCHE RIGGED TO TEST UPPER MISS PERFS.

TEST UPPER MISS PERFS AS FOLLOWS:

SWAB WELL DOWN, RECOVERED 16.70 BBLs, 6% OIL, GOOD SHOW OF GAS.

1/2 HR. SWAB TEST - RECOVERED 6.68 BBLs, 10% OIL, TEST GAS @ 150 MCFPD.

1/2 HR. SWAB TEST - RECOVERED 6.26 BBLs, 9% OIL, TEST GAS @ 150 MCFPD.

1 HR. SWAB TEST - RECOVERED 6.26 BBLs, 11% OIL, TEST GAS @ 145 MCFPD.

NOTE: IT IS OBVIOUS THAT UPPER MISS IS OPEN & MOST LIKELY COMMUNICATED WITH LOWER MISS PERFS. WILL DRILL OUT CIBP OVER LOWER MISS PERFS MONDAY AND RUN PRODUCTION TUBING AND RODS.
SHUT DOWN FOR THE WEEKEND.

4/28/03

SICP - 1420 psi.

SBHP - 1659 psi (ASSUMING NO FLUID FILL-UP. THIS IS MINIMUM SBHP.)

COMANCHE RIGGED UP TR SERVICES SAND LINE DRILL TO REMOVE CIBP @ 5075'.
DRILL OUT CIBP AND DRIVE REMAINING PORTION OF PLUG TO TTL DEPTH.

COMANCHE RIGGED 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'
164 JTS. 2 3/8" TUBING	5126.28'
K.B. (5' < 2' ABOVE G.L.)	3.00'
TUBING SET @	5145.38'
S.N. SET @	5130.38'

TAG TTL DEPTH @ 5173' (BY TBG TALLY), PICK UP AND SET TUBING 28' OFF BOTTOM.

4/28 CONT.

COMANCHE RIGGED TO RUN BOTTOM HOLE PUMP AND RODS.

RAN PUMP AND RODS AS FOLLOWS:

2" X 1 1/2" X 14' RWBC WITH 6' GAS ANCHOR	16.00'
2' X 3/4" ROD SUB	2.00'
171 - 3/4" RODS	4275.00'
33 - 7/8" RODS	825.00'
4' X 7/8" ROD SUB	4.00'
1 1/2" X 16' POLISHED ROD WITH 7' LINER	16.00'
PUMP SET @	5130.38'

COMANCHE SPACED PUMP OUT. LONG STROKE PUMP.
RIGGED DOWN AND MOVED OFF LOCATION.

4/30/03

SIOUX TRUCKING ON LOCATION TO DELIVER 2 - 10' X 12' 210 BBL STEEL STOCK TANKS.
1 TANK FROM PEPPARD # 2-21 AND 1 PURCHASED FROM RAMCO.
AER - 114 PUMPING UNIT WITH C-66 ENGINE FROM THOME #2 LEASE.
6' X 15' HEATER TREATER PURCHASED FROM RAMCO.
3' X 16' VERTICAL SEPARATOR FROM OPIK STOCK
10' X 12' 200 BBL FIBERGLASS CLOSED TOP WATER TANK PURCHASED FROM KBK.

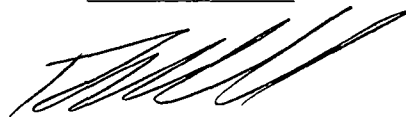
5/1/03

KANSA DIRT SERVICE ON LOCATION TO BUILD TANK BATTERY AND PUMPING UNIT GRADES.
SHAWNEE LEASE SERVICE, SIOUX TRUCKING, AND STREMMEL ON LOCATION TO SET PUMPING UNIT AND ENGINE, SET TANK BATTERY, HOOK UP WELL HEAD, AND LAY APPROX 1250' OF 2 3/8" STEEL TUBING SINGLE LEAD LINE FROM WELL HEAD TO TANK BATTERY.

5/2/03

ABOVE MENTIONED LEASE WORK IS COMPLETE.
WE ARE AWAITING GAS LINE HOOK-UP. WILL HAVE WELL ONLINE ASAP.

END OF REPORT



BRAD SIROKY