

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 # 32781
Name: Roberts Resources, Inc.
Address: 520 S. Holland ~ Suite 207
City/State/Zip: Wichita, KS 67209
Purchaser: Oneok Field Services / NCRA
Operator Contact Person: Kent Roberts
Phone: (316) 721-2817
Contractor Name: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: Kent Roberts

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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>11/07/03</u>	<u>11/21/03</u>	<u>02/27/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 097-21530-00-00
County: Kiowa
SW NE NE _____ Sec. 9 Twp. 29 S. R. 18 East West
1060 feet from S / (N) (circle one) Line of Section
960 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: McKinley Well #: 2
Field Name: Ursula

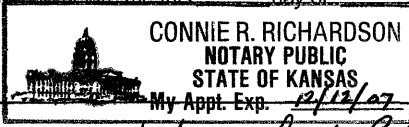
Producing Formation: Altamont & Pawnee Marmaton
Elevation: Ground: 2276 Kelly Bushing: 2287
Total Depth: 5050' Plug Back Total Depth: 4912'
Amount of Surface Pipe Set and Cemented at 558 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan *ALL 1 WELLS 4-21-04*
(Data must be collected from the Reserve Pit)
Chloride content 34000 ppm Fluid volume 1800 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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: Kent Roberts
Title: President Date: 02/28/04
Subscribed and sworn to before me this 28th day of February,
19 2004.
Notary Public: Connie R. Richardson
Date Commission Expires: 12/12/07



KCC Office Use ONLY

No Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

X

Operator Name, Roberts Resources, Inc. Lease Name, McKinley Well # 2

Sec 9 Twp 29 S. R. 18 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input 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	Stotler	3524	-1237
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Emporia	3608	-1321
List All E. Logs Run:		Heebner	4164	-1877
Neutron - Density, Dual Induction, Sonic, Micro		Lansing	4340	-2053
Cement Bond		Altamont	4814	-2527
		Pawnee	4846	-2559
		Cherokee Shale	4888	-2601
		Mississippi	4953	-2666
		Mississippi Lime	5030	-2743

CASING RECORD <input type="checkbox"/> New <input 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#	558	A-Con 60/40 Poz.	125 150	3% CC 1/4# cellflake 3% CC 2% gel
Production	7 7/8"	4 1/2"	10.5#	5047	AA-2	175	10% salt, 5# / sk gilsonite

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 checked="" type="checkbox"/> Plug Off Zone	5002' - 5008'	Common	75	0.5% FLA-322

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	
		Amount	Depth
2	4974 to 4978	250 gal 15% MIRA & 1000 gal 15% FE	
4	CIBP @4966' Perf 4953' to 4957' CIBP @ 4912'		
4	Perf 4860' to 4864', 4848' to 4852' & 4816' to 4818'	750 gal 20% MCA & 3000 gal 20% gel acid	

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>4990'</u>	Packer At <u>None</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Resumed Production, SWID or Enhr. <u>2/27/04</u>	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. <u>25</u>	Gas Mcf <u>175</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio	Gravity
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Disposition of Gas Vented Sold Used on Lease *(If vented, SumitACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval Other (Specify) _____

DST DATA

Well: McKinley #2 Prospect: McKinley Elevation: G.L.= 2276
 Spot: 1060' FNL & 960' FEL Section: 9-T29S-R18W K.B.= 2287
 County: KIOWA State: KANSAS

DST #1 Emporia, 3592' to 3626', (45-60-45-60) 1st open: Strong blow off bottom in 3.5 minutes. 2nd open: GTS in 3 minutes, gauge 5 MCF and decreased to TSTM. Recovered 150' Watery gas cut mud FP: 24-43 / 45-70, SIP: 643-619. BHT 103.

DST #2 Howard, 3628' to 3680', (30-45-60-60) 1st open: Weak blow built to bottom in 24 minutes. 2nd open: Weak blow built to bottom in 26 minutes. Recovered trace of GIP, 350 gas cut mud. FP: 34-80 / 89-190, SIP: 1211-949. BHT 105

DST #3 LKC "Drum", 4494' to 4520', (30-30-30-30) 1st open: Weak blow 1/2" built to 2". 2nd open: Weak blow 1/2" built to 2". Recovered 80' watery mud w/ good odor (37% water 63% mud). FP: 15-30 / 33-46 SIP: 1435 - 1409. BHT 111.

DST #4 Altamont & Pawnee, 4782' to 4880', (45-60-60-90) 1st open: Strong blow off bottom in 4 minutes 1" blowback on shutin. 2nd open: Strong blow off bottom, GTS in 17 minutes. Gauge 4 MCF & steady. Blow off bottom on 2nd shutin. Recovered 120' GCM w/ oil specks (40% gas, 60% mud), 180' GCWM w/ oil specks (18% gas, 60% water, 22% mud), 330' MW w/ oil specks (98% water, 2% mud) FP: 52-169 / 186-286. SIP: 1214-1081. BHT 122 Rec. chlorides 91,000 ppm. (charts indicate 2 zones)

DST #5 Mississippi, 4933' to 4956', (45-60-45-90) 1st open: Strong blow off bottom in 75 seconds, GTS in 15 minutes 60 MCF and steady. 2nd open: 62 MCF decreased to 58 MCF. Recovered 20' gassy mud. FP: 156-134 / 23-15 SIP: 1364-1300. BHT 121. Had plugging on 1st open. SIP's indicate limited reservoir. Slid tool 6' to bottom.

DST #6 Mississippi, 4936' to 4961', (45-60-30-60) 1st open: Fair to strong surging blow, off bottom in 4 minutes, GTS in 44 minutes. 2nd open: Strong blow very erratic! Gauge 89 MCF in 1 minute, gauge 191 MCF in 1 1/2 minutes, 28 MCF in 6 minutes and decreased to TSTM. Flush tool after 25 minutes, Charts indicate partial plugging on 1st open and tool plugged completely after flushing on 2nd open. FP: 60-53 / 50-691, SIP: 1285-1354, BHT 116

DST #7 Mississippi, 4920' to 4961', (45-60-30-90) 1st open: Weak to strong blow in 4 minutes. 2nd open: Strong blow GTS in 3 minutes. Gauge 29 MCF, in 20 minutes decreased to TSTM. Recovered 180' GCM FP: 78-87 / 80-87, SIP: 1211-1304, BHT 108.

DST #8 Mississippi, 4918' to 4975', (30-60-30-90) 1st open: Strong blow, GTS in 22 minutes, gauge 5 MCF 2nd open: gauge 37 MCF, stabilized @ 26 MCF. Recovered 150' GCM. FP: 51-81 / 91-91, SIP: 1464-1460 BHT 113.

DST #9 Mississippi, 4965' to 4980', (30-60-30-60) 1st open: Weak blow built to strong off bottom in 10 minutes, 2nd open: Strong blow, GTS in 5 minutes, 5 MCF decreased to TSTM. Recovered 70' GCM FP: 11-33 / 20-38. SIP: 1475-1472. BHT 121.

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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
 (620) 672-1201
 (620) 672-5383 FAX

SALES & SERVICE OFFICE:
 1700 S. Country Estates Rd.
 P.O. Box 129
 Liberal, KS 67905-0129
 (620) 624-2277
 (620) 624-2280 FAX

Invoice

Bill to: Roberts Resources, Inc. 520 Holland, Suite 207 Wichita, KS 67209 RECEIVED MAR 02 2004 KCC WICHITA	7499600	Invoice	Invoice Date	Order	Order Date
		311045	11/18/03	7265	11/8/03
	Service Description				
	Cement				
		Lease		Well	
		McKinley		2	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms
	M. Godfrey	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>
D201	A-CON BLEND (COMMON)	SK	125	\$13.08	\$1,635.00 (T)
D203	60/40 POZ (COMMON)	SK	150	\$7.84	\$1,176.00 (T)
C195	FLA-322	LB	62	\$7.50	\$465.00 (T)
C310	CALCIUM CHLORIDE	LBS	741	\$0.75	\$555.75 (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)
E107	CEMENT SERVICE CHARGE	SK	275	\$1.50	\$412.50
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	35	\$3.25	\$113.75
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	432	\$1.30	\$561.60
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: \$6,250.60

Discount: \$1,995.45

Discount Sub Total: \$4,255.15

Kiowa County & State Tax Rate: 6.30% Taxes: \$171.07

(T) Taxable Item

Total: \$4,426.22

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.

ROBERTS CAR WASH - 4S - 74W - 5.00 ORIGINAL



INVOICE NO.	Subject to Correction			FIELD ORDER 7265
Date 11-8-03	Lease MCKINLEY	Well # 2	Legal 9-29-11	
Customer ID	County KIOWA	State KS.	Station PRATT, KS	
CHARGE ROBERTS RESOURCES	Depth	Formation	Shoe Joint	
	Casing 8 5/8	Casing Depth 5-60'	TD	Job Type SURFACE - NW
	Customer Representative MIKE	Treater K. GORDNEY		

AFE Number _____ PO Number _____

Materials Received by **X Mike [Signature]**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D201	125 SK	A-COW CEMENT	✓			
D203	150 SK	60/40 POZ CEMENT	✓			
C195	62 LB.	CELFURANE	✓			
C310	741 LB.	CALCIUM CHLORIDE	✓			
F163	1 EA.	8 5/8 WOOD PUG	✓			
F303	1 EA.	8 5/8 Baffle Plate	✓			
RECEIVED MAR 02 2004 KCC WICHITA						
E107	275 SK	CEMENT SERV. CHARGE				
E100	35 mile	UNITS	MILES			
E104	432 TON	TONS	MILES			
R202	1 EA.	EA.	PUMP CHARGE			
R201	1 EA.	CEMENT HEAVY RENTAL				
		PRICE =		4255.15		

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

TREATMENT REPORT



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KCC WICHITA

Customer ID		Date	
Customer: <i>ROBERTS RESOURCES</i>		<i>11-8-03</i>	
Lease: <i>MCKINLEY</i>		Lease No.	Well # <i>2</i>
Field Order # <i>7265</i>	Station <i>Pratt, KS</i>	Casing <i>8 5/8</i>	Depth <i>560'</i>
Type Job <i>SURFACE - NW</i>		County <i>WOODRUFF</i>	State <i>KS</i>
Formation		Legal Description <i>9-29-16</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>8 5/8</i>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <i>560</i>	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 <i>WADVE</i>	Station Manager <i>Harvey</i>	Treater <i>COOPERLEY</i>
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Service Units	<i>107</i>	<i>46</i>	<i>57</i>	<i>44</i>	<i>76</i>
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0500</i>					<i>ON LOCATION</i>
<i>0730</i>					<i>RUN 560' 8 5/8 CASING BYPASS PLATE ON 1st COLUMN</i>
					<i>TRAP BOTTOM - BREAK CIRC</i>
					<i>MIX CEMENT</i>
<i>0930</i>	<i>200</i>		<i>56</i>	<i>6</i>	<i>125 SL. A-CON 3% CC, 1/4" C.F.</i>
	<i>200</i>		<i>33</i>	<i>6</i>	<i>150 SL. 60/40 P02 3% CC, 1/4" C.F.</i>
					<i>STOP - REVERSE PLUG</i>
	<i>0</i>		<i>0</i>	<i>6</i>	<i>START DESP</i>
<i>1000</i>	<i>200</i>		<i>33</i>	<i>2</i>	<i>PLUG DOWN</i>
					<i>CDP. 25 SL. CEMENT TO PT</i>
<i>1030</i>					<i>JOB COMPLETE - THANKS - KEVIN</i>



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
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 (620) 672-5383 FAX

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 1700 S. Country Estates Rd.
 P.O. Box 129
 Liberal, KS 67905-0129
 (620) 624-2277
 (620) 624-2280 FAX

Invoice

Bill to:		7499600	Invoice	Invoice Date	Order	Order Date
Roberts Resources, Inc. 520 Holland, Suite 207 Wichita, KS 67209			311103	11/28/03	7330	11/22/03
Service Description						
Cement						
Lease					Well	
McKinley					2	
AFE	CustomerRep	Treater	Well Type	Purchase Order	Terms	
	K Roberts	T Seba	New Well		Net 30	

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<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D205	AA2 (COMMON)	SK	175	\$13.19	\$2,308.25 (T)
D203	60/40 POZ (COMMON)	SK	25	\$7.84	\$196.00 (T)
C195	FLA-322	LB	132	\$7.50	\$990.00
C221	SALT (Fine)	GAL	911	\$0.25	\$227.75
C243	DEFOAMER	LB	33	\$3.00	\$99.00
C312	GAS BLOCK	LB	124	\$5.00	\$620.00
C321	GILSONITE	LB	875	\$0.60	\$525.00
F100	TURBOLIZER, 4 1/2"	EA	9	\$67.00	\$603.00 (T)
F120	BASKET, 4 1/2"	EA	1	\$180.00	\$180.00 (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)
F292	CEMENT SCRATCHERS ROTATING TYPE	EA	29	\$44.00	\$1,276.00 (T)
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00
C304	SUPER FLUSH II	GAL	500	\$1.85	\$925.00
E107	CEMENT SERVICE CHARGE	SK	200	\$1.50	\$300.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	35	\$3.25	\$113.75
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	289	\$1.30	\$375.70
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
R702	CASING SWIVEL RENTAL	EA	1	\$125.00	\$125.00

Sub Total: \$11,912.45

Discount: \$3,540.07

Discount Sub Total: \$8,372.38

Kiowa County & State Tax Rate: 6.30% Taxes: \$223.31

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

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P.O. Box 129
Liberal, KS 67905-0129
(620) 624-2277
(620) 624-2280 FAX

Invoice

(T) Taxable Item

Total: \$8,595.69

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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.

311103

ORIGINAL



INVOICE NO.	Subject to Correction			FIELD ORDER 7330
Date 11-22-03	Lease Mc KINLEY	Well # 2	Legal 8-295-18W	
Customer ID	County KIOWA	State KS	Station PRATT	
ROBERTS RESOURCES	Depth 105 #/ft	Formation	Shoe Joint 26' L.O Plug	
	Casing 4 1/2	Casing Depth 5046.72	TD LTD 5050	Job Type 4 1/2 L.S. NEW WELL
	Customer Representative KENT ROBERTS	Treater T. SEBA		

CHARGE

AFE Number	PO Number	Materials Received by X Kent Roberts
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D-205	175 SKS	AA-2 (Common)	✓			
D-203	25 SKS	60/40 P02	✓			
C-195	132 lbs	PLA-322	✓			
C-221	911 lbs	SAN	✓			
C-243	33 lbs	DEFORMER	✓			
C-312	124 lbs	GAS-BLOK	✓			
C-321	875 lbs	GILSONITE	✓			
F-100	9 EA	TURBO 1/2 2012 4 1/2	✓			
F-120	1 EA	CMT BSKT	✓			
F-210	1 EA	AFU FLOAT SHOE	✓			
F-170	1 EA	L.O. PLUG + BAPPLE	✓			
F-292	29 EA	CMT SCRATCHERS ROTARY TYPE	✓			
C-302	500 GAL	MMD FLUSH	✓			
C-304	500 GAL	SUPER FLUSH II	✓			
RECEIVED						
MAR 02 2004						
KCC WICHITA						
E-107	200 SKS	CMT SERV. CHARGE				
E-100	35 MI	UNITS /WAY MILES 35				
E-104	289 TM	TONS MILES				
R-211	1 EA	EA. 5046.72 PUMP CHARGE				
R-701	1 EA	CMT HERO RENTAL				
R-702	1 EA	CY6 SWIVEL RENTAL				
				DISCOUNTED PRICE =	8,372.38	
				+ TAXES		

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TREATMENT REPORT

ORIGINAL

Customer ID		Date	
Customer: ROBERTS RES.		11-22-03	
Lease: MC KINLEY		Lease No.	Well # 2
Field Order # 1330	Station PRATT	Casing 4 1/2	Depth 5046.72
		County KIOWA	State Ks
Type Job 4 1/2 L.S. NEW WELL	Formation LTD. 5052'	Legal Description 8-295-18W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shots/Ft		Acid 175 SKS AA-2 (common)	RATE	PRESS	ISIP	
Depth 5046.72	Depth	From	To	Pre Pad .8% PLU-322 .75% Gas-120K .2% DEFORMER	Max		5 Min.	
Volume 19.83	Volume	From	To	Pad 10% SAN 5" GILSON	Min		10 Min.	
Max Press 2000	Max Press	From	To	Frac 15#/GAL 1.44 FT³	Avg		15 Min.	
Well Connection P.C.	Annulus Vol.	From	To R-M Holes	25 SKS 60/90 P02	HHP Used		Annulus Pressure	
Plug Depth 5020.72	Packer Depth	From	To	Flush 12 Bbls M.P 12 Bbls S	Gas Volume P.D		Total Load	

Customer Representative KENT ROBERTS	Station Manager D. AUSTRY	Treater T. SEBA
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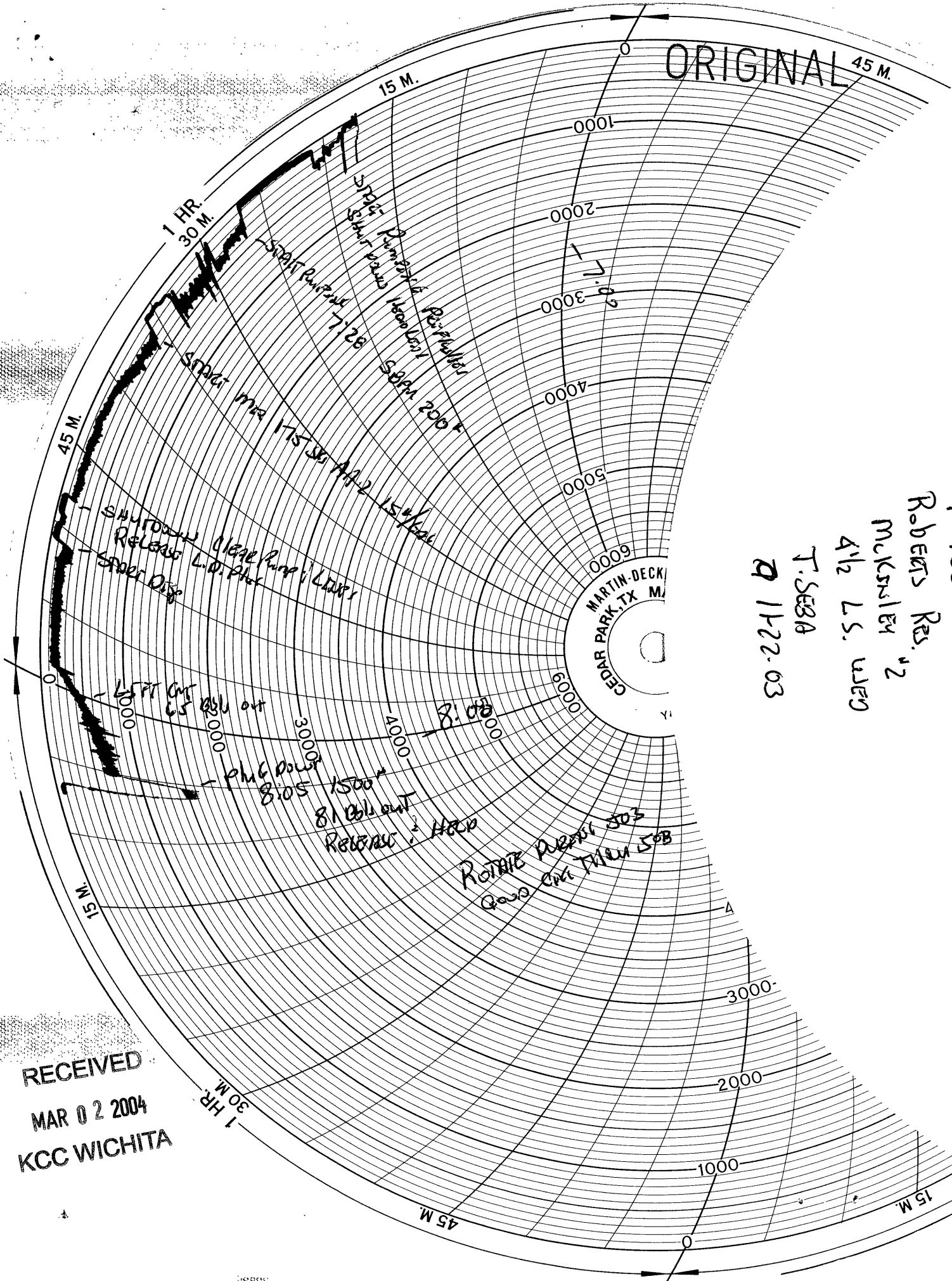
Service Units	114	46	57	36	75
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
23:00					CALLED OUT
24:00					ON LOC W/ TRK'S: SAFETY MTG
					RUN 124 JTS 4 1/2 10.5" CSG SET @ 5046.72'
					APU FLOAT SHOE / LID BOBBLE 1JT = 26'
					CENT 1-2-3-4-6-8-11-14-17 CNT BKT 3
6:20					CSG ON BOTTOM: TAG DROP BALL
6:35					HOOK UP TO CSG & BREAK CIRC W/ ETC: ROTATE
7:28	200			5	START PUMPING PREFLUSHERS
			5		5 BBLs H ₂ O
			12		12 BBLs M.P
			5		5 BBLs H ₂ O
			12		12 BBLs S.P II
			5		5 BBLs H ₂ O
			44.95	4.5	START MAX PUMP 175 SKS @ 15#/GAL
7:49			10	6	SHUT DOWN CLEAR PUMP / LINES RELEASE PLUG L.O
7:51	150			6.5	START DISP
	500		65	5	LIFT CNT ROTATE CSG DURING JO3
8:05	1500		81	3	PLUG DOWN GOOD CIRC
					RELEASE & HELD THEN JO3
8:10			25 SKS 60/90 P02	2	PLUG R-M HOLES
8:45					JO3 COMPLETE

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

THANKS
TODD

ORIGINAL 45 M.



1 1000
 Roberts Res. #2
 MCKINLEY #2
 4 1/2 L.S. WJEG
 T. SEBA
 2 1122.03

RECEIVED
 MAR 02 2004
 KCC WICHITA

1 HR.
 30 M.

45 M.

15 M.

MARTIN DECK
 CEDAR PARK, TX M.