

**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 # 32931  
 Name: Mariah Operating Company, LLC  
 Address: 1776 Linclon St. Suite 1314 **RECEIVED**  
 City/State/Zip: Denver, Co 80203 **JUL 14 2004**  
 Purchaser: Plains Marketing **KCC WICHITA**  
 Operator Contact Person: J. Andrew Dunn  
 Phone: (303) 866-0722  
 Contractor: Name: Val Energy, Rig # 1  
 License: 5822  
 Wellsite Geologist: Rick Hall  
 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. \_\_\_\_\_  
 3/11/04    3/24/04    5/12/04  
 Spud Date or    Date Reached TD    Completion Date or  
 Recompletion Date       Recompletion Date

API No. 15 - 081-21507-0000  
 County: Haskell  
 \_\_\_\_\_ NW SW Sec. 21 Twp. 30 S. R. 33  East  West  
1980 feet from (S) N (circle one) Line of Section  
583 feet from E / (W) (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 \_\_\_\_\_ (circle one) NE SE NW (SW)  
 Lease Name: Marie Well #: 1-21  
 Field Name: Victory  
 Producing Formation: Morrow  
 Elevation: Ground: 2954 Kelly Bushing: 2964  
 Total Depth: 5625' Plug Back Total Depth: 5470'  
 Amount of Surface Pipe Set and Cemented at 1730' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 3081.5  
 feet depth to 2935 w/ 255 \_\_\_\_\_ sx cm.  
ALT I WHM 1-9-07  
**Drilling Fluid Management Plan**  
 (Data must be collected from the Reserve Pit)  
 Chloride content 9000 ppm Fluid volume 1500 bbls  
 Dewatering method used dried and filled  
 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: J. Andrew Dunn  
 Title: Manager J. Andrew Dunn Date: June 21, 2004  
 Subscribed and sworn to before me this 21 day of June,  
 2004.  
 Notary Public: Debra J. Arroyo  
 Date Commission Expires: 8/02/07

**KCC Office Use ONLY**

Day Letter of Confidentiality Received  
 If Denied, Yes  No  Date: 8-4-04 DW  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Mariah Operating Company, LLC Lease Name: Marie Well #: 1-21  
 Sec. 21 Twp. 30 S. R. 33  East  West County: Haskell

**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	Heebner	4066	-1102
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	4132	-1168
List All E. Logs Run:		Kansas City A	4610	-1646
Dual Induction		Marmaton	4768	-1804
Compensated Density/Neutron		Cherokee	4940	-1976
by Rosel Company		Morrow	5236	-2272
		Ste. Genevieve	5416	-2452
		St. Louis	5484	-2520

CASING RECORD <input checked="" 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	1730'	A-con	400	3%cc + 1/4 sk
							celoflake
Production	7 7/8"	5 1/2"	15.5	5627'	50/50 poz	285	3%kd, 5# sk calset,

ADDITIONAL CEMENTING / SQUEEZE RECORD (premium) #5 sk Gilsonties .5% FLA - 322				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	3080-3081.5	A-Conn	140	100 sx @ 11.5 ppg & 40 sx @ 12.5ppg
<input type="checkbox"/> Plug Back TD	pkf @2935	class H	75	w/3% cacl displace cmt to below pkf, ex returns squeezed @ 1500#
<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
2 spf	St. Louis 5574 - 82 (non comm CIBPC 5470')	500 gal 15% NEFEHCl	
4 spf	U Morrow 5245 - 54	1000 gal 15% NEFEHCl	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8		5195	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. May 12, 2004			Producing Method		
			<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	125 B0	400 mcf	-0-		

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled 5245 - 54

Production Interval  Other (Specify) \_\_\_\_\_



**COPY**

**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**

<b>Bill to:</b> Mariah Operating Co. 1776 Lincoln St., Suite 1314 Denver, CO 80203	5456475	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
		403169	4/5/04	7517	3/24/04
	<b>Service Description</b>				
	Cement				
		<b>Lease</b>	<b>Well</b>		
		Marie		1-21	
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>
	T. Diseker	S. Frederick	New Well		Net 30

<u>ID.</u>	<u>Description</u>	<u>UOM</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Price</u>
D104	50/50 POZ (PREMIUM)	SK	285	\$7.38	\$2,103.30 (T)
C311	CAL SET	LBS	1425	\$0.54	\$769.50 (T)
C195	FLA-322	LB	120	\$7.50	\$900.00 (T)
C140	KCL, POTASSIUM CHLORIDE	LB	438	\$0.50	\$219.00 (T)
C321	GILSONITE	LB	1425	\$0.60	\$855.00 (T)
F143	TOP RUBBER CEMENT PLUG, 5 1/2"	EA	1	\$70.00	\$70.00 (T)
F191	GUIDE SHOE-REGULAR, 5 1/2"	EA	1	\$185.00	\$185.00 (T)
F231	FLAPPER TYPE INSERT FLOAT VALVES, 5 1/2"	EA	1	\$165.00	\$165.00 (T)
F101	TURBOLIZER, 5 1/2"	EA	5	\$71.00	\$355.00 (T)
F121	BASKET, 5 1/2"	EA	1	\$205.00	\$205.00 (T)
F261	CEMENT PORT COLLAR, 5 1/2"	EA	1	\$3,000.00	\$3,000.00 (T)
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00
E107	CEMENT SERVICE CHARGE	SK	285	\$1.50	\$427.50
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	25	\$2.00	\$50.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	25	\$3.25	\$81.25
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	336	\$1.30	\$436.80
R312	CEMENT PUMPER, 5501-6000' 1ST 4 HRS ON LOC	EA	1	\$2,100.00	\$2,100.00

**Sub Total:** \$12,172.35

**Discount:** \$3,913.97

**Discount Sub Total:** \$8,258.38

**Haskell County & State Tax Rate: 5.80% Taxes:** \$347.34

(T) Taxable Item

**Total:** \$8,605.72

RECEIVED  
 JUL 14 2004  
 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.

COPY



SALES OFFICE:  
100 S. Main  
Suite #607  
Wichita KS 67202  
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(620) 624-2280 FAX

Invoice

<b>Bill to:</b> Mariah Operating Co. 1776 Lincoln St., Suite 1314 Denver, CO 80203	5456475	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
		404061	4/19/04	7565	4/9/04
	<b>Service Description</b>				
	Cement				
		<b>Lease</b>	<b>Well</b>		
		Marie	1-21		
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>
	R. Pearson	S. Frederick	New Well		Net 30

ID.	Description	UOM	Quantity	Unit Price	Price
D100	PREMIUM CEMENT	SK	75	\$12.44	\$933.00 (T)
D201	A-CON BLEND (COMMON)	SK	140	\$13.08	\$1,831.20 (T)
C310	CALCIUM CHLORIDE	LBS	607	\$0.75	\$455.25 (T)
C194	CELLFLAKE	LB	35	\$2.00	\$70.00 (T)
E200	ACID PUMP SERVICE, 0-3000 PSI, 1ST 2 HRS ON LOC	EA	1	\$700.00	\$700.00 (T)
E107	CEMENT SERVICE CHARGE	SK	215	\$1.50	\$322.50 (T)
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	50	\$2.00	\$100.00
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.25	\$162.50
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	254	\$1.30	\$330.20
R207	CASING CEMENT PUMPER, 3001-3500' 1ST 4 HRS ON LOC	EA	1	\$1,596.00	\$1,596.00

Sub Total: \$6,500.65

Discount: \$1,767.91

Discount Sub Total: \$4,732.74

Haskell County & State Tax Rate: 5.80% Taxes: \$182.08

(T) Taxable Item

Total: \$4,914.82

RECEIVED

JUL 14 2004

KCC WICHITA

Duplicate

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 **3-24-04**  
Customer ID

Subject to Correction  
Lease **MARIE**  
County **HASKELL**  
Well # **1-21**  
State **KS**  
Legal **28-30S-33W**  
Station **LIBERAL**

**FIELD ORDER 7517**

CHARGE

**MARIAH ENERGY**  
Depth Formation Shoe Joint **43**  
Casing **5 1/2** Casing Depth **5627** TD **5625** Job Type **5 1/2 Long String (NW)**  
Customer Representative **Tammye Diseker** Treater **Shawn FREDERICK**  
Materials Received by **X J. Diseker**  
AFE Number PO Number

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D104	285 SK	50/50 Poz Prem 3/32 KCL - 5" CALSET 5" SK Gilsonite - 5% FLA-322	✓			
C311	1425 lb	CALSET	✓			
C195	120 lb	FLA-322	✓			
C140	438 lb	KCL	✓			
C321	1425 lb	Gilsonite	✓			
F143	1 ea	TOP RUBBER PLUG 5 1/2	✓			
F191	1 ea	GUIDE SHOE, Reg 5 1/2	✓			
F231	1 ea	FLAPPER TYPE INSERT 5 1/2	✓			
F101	Seq	TURBOLIZER 5 1/2	✓			
F121	1 ea	BASKET 5 1/2	✓			
F261	1 ea	PORT COLLAR 5 1/2	✓			
C						
R701	1 ea	HEAD RENTAL				
E107	285 SK	CMT SERVICE charge				
E101	25 mi	P.U. mileage				
E100	25 mi	UNITS 1 MILES 1 way				
E104	336 Tm	TONS 13 MILES 25				
R312	1 ea	EA. 4 hrs PUMP CHARGE				
Discounted TOTAL						8,258.38
PLUS TAX						

RECEIVED  
JUL 14 2004  
KCC WICHITA



# TREATMENT REPORT

Customer ID			Date		
Customer <b>MARIAH</b>			3-24-04		
Lease <b>MARIE</b>		Lease No.		Well #	
				1-21	
Field Order # 2517	Station <b>LIBERAL</b>	Casing 5 1/2	Depth 5627	County <b>Haskell</b>	State <b>KS</b>
Type Job <b>5 1/2 LongSTRING (NW)</b>			Formation	Legal Description <b>28-30S-33W</b>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>5 1/2</b>	Tubing Size	Shots/Ft		<del>Acid</del> <b>260 sk 50/50 poe</b>		RATE	PRESS	ISIP
Depth <b>5627</b>	Depth	From	To	<del>Pre-Pad</del> <b>PREM</b>		Max		5 Min.
Volume <b>133</b>	Volume	From	To	<del>Pad</del> <b>25 sk 50/50 poe</b>		Min		10 Min.
Max Press <b>1500</b>	Max Press	From	To	<del>Emc</del> <b>PREM R/M</b>		Avg		15 Min.
Well Connection <b>P.C.</b>	Annulus Vol.	From	To	<b>500 gal MODFLUSH</b>		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush <b>WATER</b>		Gas Volume		Total Load

Customer Representative <b>Tammyle Diseker</b>	Station Manager <b>Dirk MORRIS</b>	Treater <b>Shaun FREDERICK</b>
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Service Units	<b>108</b>	<b>28</b>	<b>38</b>	<b>72</b>				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1530					ON LOCATION / RIG pulling D.P.
2100					PRE-JOB SAFETY MEETING
2110					RIG UP P.T.
2120					D.P. OUT OF HOLE / RIG UP CASERS
2130					START IN W/ CASING / F.E.
0040					CASING ON BOTTOM / Hook up P.C.
0045					BREAK CIR w/ RIG
0125					Through CIR / Hook lines to PT
0132			4	2	Pump 25 sk 50/50 poe RAT hole
0135	500		66	5	Pump 260 sk 50/50 poe Prem @ 13.8"
0150					Shot Down / Drop Plug / clean lines
0157	∅		133	5	Pump D.SP
0221	1000		(123 in)	2.5	SLOW RATE
0223	1600			2.5	LAND PLUG
0224					Release FLOAT - HELD
0230					WASH Lines to Pit
0330					JOB Complete

RECEIVED  
 JUL 14 2004  
 KCC WICHITA



INVOICE NO.  
Date **4-9-04**  
Customer ID

Subject to Correction

**FIELD ORDER** 7565

Lease **MARIE** Well # **1-21** Legal **28-305-33W**  
County **HASKELL** State **KS** Station **LIBERAL**

CHARGE

**MARIAH ENERGY**

Depth Formation Shoe Joint  
Casing **5/2** Casing Depth **3080-81 1/2** hols TD Job Type **Port collar (NW)**  
Customer Representative **ROGER PEARSON** Treater **SHAUN FREDERICK**

AFE Number PO Number

Materials Received by **X Roger Pearson**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D100	75 sk	Premium	✓			
D201	140 sk	A-CON BLEND (Common)	✓			
C310	395 lb	CALCIUM CHLORIDE	✓			
C194	35 lb	Cell Plate	✓			
C310	212 lb	CALCIUM CHLORIDE	✓			
E200	1 EA	Acid Pump Service				
RECEIVED						
JUL 14 2004						
KCC WICHITA						
E107	215 sk	CMT Service charge				
E101	50 mi	P.U. mileage				
E100	30 mi	UNITS 1 MILES <b>1 DAY</b>				
E104	254 Tm	TONS 10 MILES 25				
R202	1 ea	EA. 4 hrs PUMP CHARGE				
Discounted TOTAL						
PLUS TAX						
						4732.74



# TREATMENT REPORT

Customer ID		Date	
Customer <i>MARIAH ENERGY</i>		<i>4-9-04</i>	
Lease <i>MARIE</i>		Lease No.	Well # <i>1-21</i>
Field Order # <i>7565</i>	Station <i>LIBERAL</i>	Casing <i>5 1/2</i>	Depth <i>3080-81 1/2</i>
Type Job <i>5 1/2 Port collar (NW) / squeeze</i>		County <i>HASTELL</i>	State <i>KS</i>
Formation		Legal Description <i>28-305-33 W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size <i>2 7/8</i>	Shots/Ft	<i>6 holes</i>	Acid <i>140 SH A-LON (1400)</i>		RATE	PRESS	ISIP
Depth <i>3080-81.5</i>	Depth <i>2940</i>	From <i>3080</i>	To <i>81 1/2</i>	Pre-Pad <i>75 SH Premium (16)</i>	Max			5 Min.
Volume <i>3.3</i>	Volume <i>17</i>	From	To	Pad <i>MUD 50 BBLs</i>	Min			10 Min.
Max Press	Max Press <i>1500</i>	From	To	Frac	Avg			15 Min.
Well Connection <i>2 7/8</i>	Annulus Vol.	From	To	Flush <i>WATER</i>	HHP Used			Annulus Pressure
Plug Depth	Packer Depth	From	To		Gas Volume			Total Load

Customer Representative <i>ROGER PEARSON</i>	Station Manager <i>Dirk MORRIS</i>	Treater <i>Shaun FREDERICK</i>
---	---------------------------------------	-----------------------------------

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<i>0900</i>					<i>ON LOCATION</i>
<i>0905</i>					<i>PRE-JOB SAFETY MEETING</i>
<i>0910</i>					<i>RIG up P.T.</i>
<i>1005</i>		<i>1250</i>	<i>1</i>	<i>1/2</i>	<i>TEST Port collar</i>
<i>1008</i>		<i>300</i>	<i>1/2</i>	<i>1/2</i>	<i>Bleed off to 300 psi</i>
<i>1009</i>		<i>300-500</i>	<i>1/2</i>	<i>1/2</i>	<i>TRY to open Port Collar</i>
<i>1030</i>					<i>WONT OPEN</i>
<i>1045</i>					<i>FISH FOR Port Collar / NOT FIGHTING</i>
<i>1130</i>					<i>TRIP OUT OF HOLE / Switch out opener</i>
<i>1245</i>					<i>TRIP IN HOLE</i>
<i>1353</i>		<i>300</i>	<i>1/2</i>	<i>1/2</i>	<i>TEST P.C.</i>
<i>1354</i>		<i>300-800</i>	<i>1/2</i>	<i>1/2</i>	<i>open P.C / still won't open</i>
<i>1500</i>					<i>TUBING Parted</i>
<i>1530</i>					<i>Post-pore till Monday 4-12-04</i>
					<i>PERKS @ 3080-3081.5 - PERK @ 2940</i>
<i>0930</i>					<i>ON LOCATION 4-12-04</i>
<i>0945</i>					<i>PRE-JOB SAFETY MEETING</i>
<i>0950</i>					<i>RIG up P.T.</i>
<i>1034</i>		<i>400</i>	<i>55</i>	<i>2</i>	<i>BREAK CIR / Pump 55 BBLs mud</i>
<i>1035</i>		<i>200</i>	<i>(7 in)</i>	<i>4</i>	<i>Cir to pit</i>
<i>1047</i>					<i>Shut Down / switch to WATER</i>

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





# TREATMENT REPORT

<h1 style="margin: 0;">ACID</h1> <p style="margin: 0; font-size: small;">SERVICES LLC</p>		Customer ID		Date	
		Customer			
		Lease		Lease No.	Well #
Field Order #	Station	Casing	Depth	County	State

Type Job	Formation	Legal Description
----------	-----------	-------------------

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	<b>RECEIVED</b>	Min		10 Min.
Max Press	Max Press	From	To	Frac	JUL 14 2004	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		<b>KCC WICHITA</b>	HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative	Station Manager	Treater
-------------------------	-----------------	---------

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
JOB <del>Complete</del> LOG Continue					
1047		400	5	2.5	Pump 5 BBL WATER Spacer
1052		700	75	5	Pump 140 SK A-6N First 100 SK @ 11.5 40 SK @ 12.5
1058		200	14	3	Pump 75 SKs Perm 1/3% CC @ 16.5
1102					SHUT DOWN / WASH TUB TO PIT
1110		∅		4	Pump Disp
1112		150	(4.5 in)	3/4	Disp REACHED CNT / SLOW RATE
1140		400	(17.2 in)	1/2	Disp TO BOTTOM OF PAR / SHUT DOWN
1210		400	(18 in)	1/4	Cont Disp
1211		400			SHUT DOWN / WAIT 20± min
1240		1500	(18 1/2 in)	1/10	Cont Disp
1242		1300			SHUT DOWN / Fell to 1300
1246		1500	(18 1/2)	1/10	Bump PSI up to 1500
1247		1300			SHUT DOWN / Fell to 1300
1300		1500	(18 1/2)	1/10	Bump PSI to 1500
1302			(18 3/4 TOTAL)		Release - HELD
1311	400	400	30	2.5	Reverse out
1325					SHUT DOWN / Pull to JTS
1338		1000	1 1/2	1/2	Pressure up TO 1000
1400					SHUT IN / JOB Complete

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