

RECEIVED

AUG 17 2004

KCC WICHITA

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

32433

Operator: License # \_\_\_\_\_  
Name: ONSHORE LLC  
Address: 200 E First, suite 301  
City/State/Zip: Wichita KS 67202  
Purchaser: Plains (oil) Pioneer(gas)  
Operator Contact Person: John Kelley  
Phone: (316) 262-3413  
Contractor: Name: Southwind Drilling Inc  
License: 33350  
Wellsite Geologist: Terry McLeod

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_

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

6/11/04 6/18/04 7/20/04  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15: 077-21487-00-00  
County: Harper  
C NE NE Sec. 30 Twp. 31 S. R. 8W  East  West  
660 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: Broce Well #: 2

Field Name: Spivey Grabs  
Producing Formation: Miss

Elevation: Ground: 1589 Kelly Bushing: 1599  
Total Depth: 4490 Plug Back Total Depth: 4443

Amount of Surface Pipe Set and Cemented at 265 Feet  
Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 254  
feet depth to surface w/ 190 sx cmt.

Drilling Fluid Management Plan OUT KGR 2/12/08  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_

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: [Signature]  
Title: owner John M Kelley Date: 8/16/04  
Subscribed and sworn to before me this 16th day of August, 2004

Notary Public: [Signature]  
Date Commission Expires: 7-21-07

**RONALD FOWLER**  
Notary Public - State of Kansas  
My Appt. Expires 7-21-07

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Onshore LLC Lease Name: Broce Well #: #2  
 Sec. 30 Twp. 31S S. R. 8W  East  West County: Harper County, Kansas

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Miss	4390	(-2791)

List All E. Logs Run: Dual Induction  
 Compensated Density/Neutron  
 Dual Receiver Cement Bond

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	# Sacs Used	Type and Percent Additives
surface	12-1/4"	8-5/8"	24#	254'	60/40 Poz	190	2%gel, 3% CC
Production	7-7/8"	5-1/2	15.5#	4467.39	Class A	150	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 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
2spft	4394-4410	Acid (1500 gal 10% FE, NE flush	w/s/w

TUBING RECORD Size 2-7/8 Set At 4412.91 Packer At none Liner Run  Yes  No

Date of First, Resumed Production, SWD or Enhr. 7/20/04 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 4 Bbls. Gas 100 Mcf Water 40 Bbls. Gas-Oil Ratio Gravity

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

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval



**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>		6455000	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
Onshore LLC 200 E. 1st, Suite 301 Wichita, KS 67202			406077	6/23/04	8590	6/18/04
<b>RECEIVED</b> <b>AUG 17 2004</b> <b>KCC WICHITA</b>		<b>Service Description</b>				
		Cement				
			<b>Lease</b>		<b>Well</b>	
			Broce		2	
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>	
	D. Pauly	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	150	\$13.74	\$2,061.00 (T)
D203	60/40 POZ (COMMON)	SK	25	\$7.84	\$196.00 (T)
C321	GILSONITE	LB	248	\$0.60	\$148.80 (T)
C221	SALT (Fine)	GAL	1173	\$0.25	\$293.25 (T)
C195	FLA-322	LB	106	\$7.50	\$795.00 (T)
C312	GAS BLOCK	LB	106	\$5.00	\$530.00 (T)
C302	MUD FLUSH	GAL	500	\$0.75	\$375.00 (T)
F211	AUTO FILL FLOAT SHOE, 5 1/2"	EA	1	\$320.00	\$320.00 (T)
F171	LATCH DOWN PLUG & BAFFLE, 5 1/2"	EA	1	\$250.00	\$250.00 (T)
F101	TURBOLIZER, 5 1/2"	EA	7	\$71.00	\$497.00 (T)
F121	BASKET, 5 1/2"	EA	1	\$205.00	\$205.00 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.25	\$162.50
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	50	\$2.00	\$100.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	408	\$1.30	\$530.40
E107	CEMENT SERVICE CHARGE	SK	175	\$1.50	\$262.50
R209	CASING CEMENT PUMPER, 4001-4500' 1ST 4 HRS ON LOC	EA	1	\$1,764.00	\$1,764.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

**Sub Total:** \$8,740.45

**Discount:** \$1,960.60

**Discount Sub Total:** \$6,779.85

**Harper County & State Tax Rate: 5.30% Taxes:** \$233.14

(T) Taxable Item

**Total:** \$7,012.99

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.

MAG PLANT - 35 - SW into



INVOICE NO.		Subject to Correction		<b>FIELD ORDER</b> 8590	
Date	6-18-04	Lease	BRECE	Well #	2
Customer ID		County	HARPER	State	Ks.
ONSHORE LLC		Depth		Formation	
		Casing	5 1/2	Casing Depth	4495'
		Customer Representative	DAVE	TD	4496'
		Treater	K. CORSEY	Shoe Joint	44'
		Job Type	CONCRETE-NW		

AFE Number	PO Number	Materials Received by	X <i>Paul Pinsky</i>
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Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D105	150 SK.	HAZ PREMIUM				
D203	75 SK.	60/40 P02				
C321	748 lb.	GILSONITE				
C221	773 lb.	SALS				
C195	106 lb.	FLA-322				
C312	106 lb.	GRAS BLOK				
C221	400 lb.	SALS				
C302	500 gal.	MUDFLUSH				
F211	1 EA.	5 1/2 AFD FLOAT SHOE				
F171	1 EA.	5 1/2 LATCH DOWN PLUG				
F101	7 EA.	5 1/2 TRIPOLIZER				
F121	1 EA.	5 1/2 BASKET				
E100	50 mile	HEAVY VEH. MUDPACER				
E101	50 mile	PICCOLA MUDPACER				
E104	408 TM	BULL DELIVERY				
E107	175 SK.	CEMENT SERV. CHARGE				
R209	1 EA.	PUMP CHARGE				
R701	1 EA.	CEMENT HEAD				
<del>R102</del>	<del>1 EA.</del>	<del>CASING SPOOL</del>				
				RECEIVED		
				AUG 17 2004		
				KCC WICHITA		
				PRICE = 6779.85		

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# TREATMENT REPORT

Customer ID	Date	
Customer	6-18-04	
Lease	Lease No.	Well #
BRUCE		2

Field Order #	Station	Casing	Depth	County	State
8590	PRATT, KS.	5/2	4495'	HARPER	KS.
Type Job	Formation	Legal Description			
LOWEST POINT - NW	TD - 4496'	30-31-8			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5/2				Pre Pad				5 Min.
Depth	Depth	From	To	Pad		Max		10 Min.
4495'				Frac		Min		15 Min.
Volume	Volume	From	To	Flush		Avg		
						HHP Used		Annulus Pressure
Max Press	Max Press	From	To			Gas Volume		Total Load
Well Connection	Annulus Vol.	From	To					
Plug Depth	Packer Depth	From	To					
4451'								

Customer Representative	Station Manager	Treater
DAVE	ANDREW	CORDEY

Service Units	107	26	47	72				
---------------	-----	----	----	----	--	--	--	--

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0330					ON LOCATION
					RECEIVED
					AUG 17 2004
					KCC WICHITA
					RUN 4511 5/2 CASING. RUN
					WELL FOOT SHOE, LATCH DOWN RAFFLE
					CENT. - 1-3-5-7-9-11-13
					BASKET - #6
0730					TO BOTTOM - DROP BALL - BEVAL CORC.
					REDRP CASE CASING
1030	250		20	6	PUMP 20 bbl START FLUSH
	250		12	6	PUMP 12 bbl WILD FLUSH
	250		3	6	PUMP 3 bbl H <sub>2</sub> O
	200		39	6	WEX 150 SK. AAZ CEMENT
					10% SMC, 5% CARBONITE, 3/4% FUA 322, 3/4% GAS BOIL
					STOP - WASH LINE - DROP PLUG
	0		0	6 1/2	START DISP
	350		80	6 1/2	LIFT CEMENT
	800		100	5	SLOW RATE
1115	1300		106.3	5	PULL DOWN - HOLD
					PUG PH & WHT - 255 60/40 PZ
1200					JOB COMPLETE - THANKS - MERVIN

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## Invoice

<b>Bill to:</b>		6455000	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
Onshore LLC 200 E. 1st, Suite 301 Wichita, KS 67202			406041	6/16/04	8585	6/12/04
<b>RECEIVED</b> <b>AUG 17 2004</b> <b>KCC WICHITA</b>		<b>Service Description</b>				
		Cement				
			<b>Lease</b>		<b>Well</b>	
			Broce		2	
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>	
	D. Krier	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>
D203	60/40 POZ (COMMON)	SK	190	\$7.84	\$1,489.60 (T)
C310	CALCIUM CHLORIDE	LBS	516	\$0.75	\$387.00 (T)
C194	CELLFLAKE	LB	50	\$2.00	\$100.00 (T)
F163	WOODEN CEMENT PLUG, 8 5/8"	EA	1	\$85.00	\$85.00 (T)
E100	HEAVY VEHICLE MILEAGE - 1 WAY	MI	50	\$3.25	\$162.50
E101	CAR, PICKUP OR VAN MILEAGE - 1 WAY	MI	50	\$2.00	\$100.00
E104	PROPPANT / BULK DELIV SERVICES/TON MILE, \$200 MIN	TM	408	\$1.30	\$530.40
E107	CEMENT SERVICE CHARGE	SK	190	\$1.50	\$285.00
R200	CASING CEMENT PUMPER, 0-300' 1ST 4 HRS ON LOC.	EA	1	\$662.00	\$662.00
R701	CEMENT HEAD RENTAL	EA	1	\$250.00	\$250.00

**Sub Total:** \$4,051.50

**Discount:** \$1,012.88

**Discount Sub Total:** \$3,038.62

**Harper County & State Tax Rate: 5.30% Taxes:** \$81.95

(T) Taxable Item

**Total:** \$3,120.57

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.

MAC PLANT - 35 - SW into



INVOICE NO.		Subject to Correction		<b>FIELD ORDER</b> 8585	
Date	6-12-04	Lease	Broce	Well #	2
Customer ID		County	HARPER	State	KS
		Depth		Formation	
		Casing	5 7/8	Casing Depth	265
		Customer Representative	KREBK	Treater	K. COOPER
		Job Type	SURFACE - NW		

CHARGE

ONSTORE, LLC

AFE Number	PO Number	Materials Received by	X Darryl Kriles
------------	-----------	-----------------------	-----------------

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D203	190 SK.	60/40 P2Z CEMENT				
C310	516 lb.	CALCEUM CHLORIDE				
C194	50 lb.	CELLULOSE				
F163	1 EA.	8 5/8 WOOD PLUG				
E100	50 mile	HEAVY VERT MDR				
E101	50 mile	PECKUP MDR				
E104	408 TM	BULK DELIVERY				
E107	190 SK.	CEMENT SAND CHARGE				
R200	1 EA.	PUMP CHARGE				
R701	1 EA.	CEMENT HEAD RENTAL				
RECEIVED						
AUG 17 2004						
KCC WICHITA						
				=	3038.62	

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: <b>ONSHORE, LLC.</b>	6-12-04	
Lease: <b>BRUCE</b>	Lease No.	Well # <b>2</b>
Field Order # <b>8588</b>	Station <b>PRATT, KS</b>	Casing <b>8 5/8</b> Depth <b>265'</b>
Type Job <b>SURFACE - NW</b>	Formation	County <b>HARPER</b> State <b>KS</b>
		Legal Description <b>30-31-8</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>8 5/8</b>	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth <b>265</b>	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 <b>KRDER</b>	Station Manager <b>DAVID</b>	Treater <b>GORDLEY</b>
--------------------------------------	------------------------------	------------------------

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log		
0100			107	26	46	22	RECEIVED AUG 17 2004 KCC WICHITA ON LOCATION
							RUN 265' 8 5/8 CASING
							TO BOTTOM - BREAK CORE
							MIX CEMENT
0430	200		42	6			190 SK. 60/40 P02 2% GA, 3% CG, 1/4" CELLULOSE
							STOP - RELEASE PLUG
	0		0	6			START DISP
0500	200		16	6			PLUG DOWN
							CORE 15SK. CEMENT TO PIT
0530							JOB COMPLETE THANKS - [Signature]

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**COPY**

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**Invoice**

<b>Bill to:</b>			6455000	<b>Invoice</b>	<b>Invoice Date</b>	<b>Order</b>	<b>Order Date</b>
Onshore LLC 200 E. 1st, Suite 301 Wichita, KS 67202				407038	7/22/04	8031	7/8/04
<b>Service Description</b>							
Acidize							
				<b>Lease</b>		<b>Well</b>	
				Broce		2	
<b>AFE</b>	<b>CustomerRep</b>	<b>Treater</b>	<b>Well Type</b>	<b>Purchase Order</b>	<b>Terms</b>		
	J. Kelley	DJ Brown	New Well		Net 30		
<b>ID.</b>	<b>Description</b>	<b>UOM</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Price</b>		
A303	10% HCL, PRATT	GAL	1500	\$1.25	\$1,875.00		
A311	NE ACID CONVERSION	GAL	1500	\$0.12	\$180.00		
A312	FE ACID CONVERSION	GAL	1500	\$0.25	\$375.00		
C110	AHIB-1 EP, ACID INHIBITOR EXTRA PROTECTION	GAL	3	\$41.50	\$124.50		
C141	CC-1, KCL SUBSTITUTE	GAL	9	\$40.00	\$360.00		
C170	BALL SEALERS, 7/8" 1.3 SP. GR.	EA	60	\$2.25	\$135.00		
E701	BALL INJECTOR	EA	1	\$275.00	\$275.00		
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		
E200	ACID PUMP SERVICE, 0-3000 PSI, 1ST 2 HRS ON LOC	EA	1	\$700.00	\$700.00		

**RECEIVED**  
**AUG 17 2004**  
**KCC WICHITA**

**Sub Total:** \$4,287.00

**Discount:** \$1,071.75

**Discount Sub Total:** \$3,215.25

**Harper County & State Tax Rate: 5.30% Taxes:** \$0.00

(T) Taxable Item

**Total:** \$3,215.25

**RECEIVED**

**POSTED**

**BILLED**

**PAID**

**CHECK #**

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

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INVOICE NO.
Date 7-8-04
Customer ID

**FIELD ORDER** 8031

Subject to Correction

CHARGE

Onshore LLC	Depth 4394-4410	Formation Mississippi	Shoe Joint
	Casing 5 1/2	Casing Depth 4460 +/-	Job Type Acidize new well
	Customer Representative John Kelley	Treater DJ Brown	

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

Materials Received by X

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
A303	1500	10% HCl Pratt	-			
A311	1500	NE Conversion	-			
A312	1500	FE Conversion	-			
C110	3	Ahib-1	-			
C141	9	CC-1	-			
C170	60	Ball sealers	-			

RECEIVED  
AUG 17 2004  
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E701	1	Well Injector				
E101	50	UVI miccse				
E100	50	UNITS / MILES 50				
		TONS MILES				
E200	1	EA. 0-3000 PUMP CHARGE				
		Discounted price + Tax		\$ 3215 25		

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# TREATMENT REPORT

Customer ID	Date
Customer <i>Onshore, LLC</i>	<i>7-8-04</i>
Lease <i>Bruce</i>	Lease No.
	Well # <i>2</i>

Field Order # <i>8031</i>	Station <i>Pratt</i>	Casing <i>5 1/2</i>	Depth	County <i>Hesper</i>	State <i>KS</i>
Type Job <i>Acidize new well</i>			Formation <i>Mississippian</i>	Legal Description <i>Sec. 30-31S-8W</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size <i>NA</i>	Shots/Ft <i>2</i>	<i>32 holes</i>	Acid <i>1500 102 NEFF</i>		RATE	PRESS	ISIP
Depth <i>4460</i>	Depth	From <i>4394</i>	To <i>4410</i>	Pre Pad		Max <i>7.0</i>	<i>950</i>	5 Min.
Volume <i>106</i>	Volume	From	To	Pad		Min <i>.3</i>	<i>0</i>	10 Min.
Max Press	Max Press	From	To	Frac		Avg <i>7.0</i>	<i>400</i>	15 Min.
Well Connection <i>CSG</i>	Annulus Vol.	From	To	<i>60 Bell Seals</i>		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush <i>105.7 861 2% Kel</i>		Gas Volume		Total Load <i>142</i>

Customer Representative <i>John Kelley</i>	Station Manager <i>Dave Artry</i>	Treater <i>DJ Brown</i>
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Service Units	<i>116</i>	<i>25</i>						
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:44</i>	<i>0</i>		<i>0</i>	<i>6.5</i>	<i>at location 8:30 AM Hold safety meeting</i>
<i>10:46</i>	<i>0</i>		<i>12</i>	<i>6.6</i>	<i>Start Bells</i>
<i>10:50</i>	<i>0</i>		<i>37</i>	<i>6.6</i>	<i>Acid + Bells in start flush</i>
<i>10:56 1/2</i>	<i>0</i>		<i>80</i>	<i>3.6</i>	<i>slow rate</i>
<i>11:01</i>	<i>300</i>		<i>94.7</i>	<i>1.1</i>	<i>Loaded + establish rate</i>
<i>11:03</i>	<i>800</i>		<i>95.7</i>	<i>.3</i>	<i>slow rate - Bull heading water</i>
<i>11:04</i>	<i>900</i>		<i>96</i>	<i>1.0</i>	<i>increase rate - Broke</i>
<i>11:05</i>	<i>0</i>		<i>97</i>	<i>1.0</i>	
<i>11:11</i>	<i>350</i>		<i>105</i>	<i>7.0</i>	<i>Acid to pres - increase rate</i>
<i>11:13 1/2</i>	<i>350</i>		<i>117</i>	<i>7.0</i>	<i>Bells on pres</i>
<i>11:15</i>	<i>380</i>		<i>120</i>		<i>Stop - lost prime (Rag out of water truck)</i>
<i>11:22 1/2</i>	<i>0</i>		<del><i>140.04</i></del>		<i>START</i>
<i>11:25</i>	<i>400</i>		<i>142.4</i>	<i>7.0</i>	<i>stop - ISIP vac</i>

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KCC WICHITA

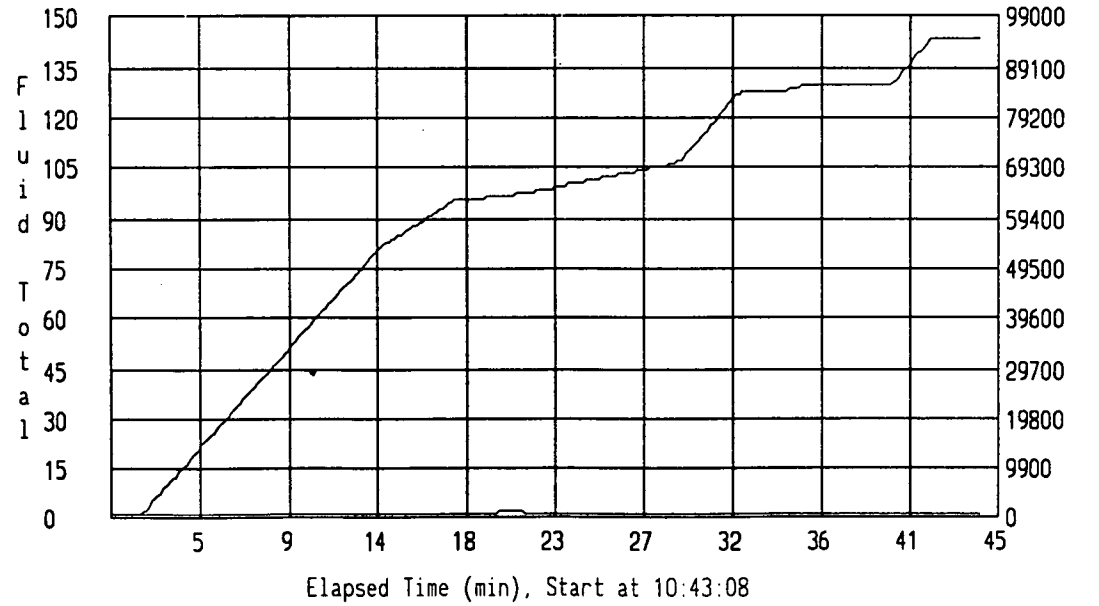
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 AUG 17 2004  
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Prepared by: Acid Services

Company Name: Onshore, LLC  
 Well Name: Broce #2  
 Field: NA  
 Formation: Mississippi  
 County: Harper  
 State: Kansas  
 Job Date: 07/08/04  
 Comments: Acidize New Well

Fluids: 1500 10% NEFE  
 Proppants: 60 Ball Sealers  
 Average Rate: 7.0 bpm.  
 Average STP: 400 psi.  
 Tubing: NA  
 Casing: 5 1/2  
 Packer: NA  
 Filename: 8031  
 Closure Pres: 4000

LINEAR PLOT



Elapsed Time (min), Start at 10:43:08