

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 # 31739
Name: luka/Carmi Development, LLC.
Address: P.O. Box 847
City/State/Zip: Pratt, KS 67124
Purchaser: Oneok
Operator Contact Person: Kenneth C. Gates, Manager
Phone: (620) 672-2531
Contractor: Name: Pratt Well Service, Inc.
License: 5893
Wellsite Geologist: _____

API No. 15 - 151-10164-00-01
County: Pratt
NW_NW_SE Sec. 6 Twp. 27 S. R. 12 East West
_____ feet from S / N (circle one) Line of Section
_____ feet from E / W (circle one) Line of Section

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

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Helmke J (ICHU) Well #: 5
Field Name: luka/Carmi

If Workover/Re-entry: Old Well Info as follows:
Operator: Golden Exploration
Well Name: Helmke J 5
Original Comp. Date: 10/10/51 Original Total Depth: 4270'
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back 2910' Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

Producing Formation: _____
Elevation: Ground: 1869' Kelly Bushing: 1877'
Total Depth: 4270' Plug Back Total Depth: 2910'
Amount of Surface Pipe Set and Cemented at 8 5/8" @ 427' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from N/A
feet depth to _____ w/ _____ sx cmt.

spud 07/29/51 recomplete 05/29/02
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan OWWO KGR 5/22/07
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume 440 bbls
Dewatering method used trucked from location
Location of fluid disposal if hauled offsite:
Operator Name: luka/Carmi Development, LLC.
Lease Name: Wagner 1 (ICHU 24) License No.: 31739
Quarter NW Sec. 7 Twp. 27 S. R. 12 East West
County: Pratt Docket No.: D-14493

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: Production Clerk Date: 02/25/04
Subscribed and sworn to before me this 25th day of February
2004
Notary Public: [Signature]
Date Commission Expires: 3/13/04

KEVIN C. GATES
Notary Public - State of Kansas
My Appt. Expires 3/13/04

KCC Office Use ONLY
NO Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

X

ORIGINAL

Operator Name: luka/Carmi Development, LLC. Lease Name: Helmke J (ICHU) Well #: 5
 Sec. 6 Twp. 28 S. R. 12 East West County: Pratt

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)

List All E. Logs Run:

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

Lane Wells Radioactive Lob
 Gamma Ray

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CASING RECORD <input type="checkbox"/> New <input checked="" 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
		8 5/8"		427'		250	
		5 1/2"		4210'		200	

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	1502'-1600'	2% CC	100	3rd squeeze 1522'-1539' 10 sxs get, 50 sxs 2% CC, 50 sxs common
<input checked="" type="checkbox"/> Plug Back TD		2% CC	150	4th squeeze 50 sk salt cement
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
4	2782'-2790'		4.0" casing gun w/ owen 317	2782'-2790'
	5 1/2" Bolz 5000# CIBP			2910'
			600 Gal -15% DSFE	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2 7/8" 8rd	2871.37	none	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
05/30/02			<input type="checkbox"/> Flowing <input checked="" 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
		60	10		

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

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

Production Interval



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ORIGINAL
TREATMENT REPORT

Customer ID	Date	
Customer <i>HUKA CARMINE DEV.</i>	<i>5-23-02</i>	
Lease <i>HELMKE "J"</i>	Lease No.	Well # <i>5</i>
Field Order # <i>4875</i>	Station <i>PRATT, KS.</i>	Casing <i>5 1/2</i>
Type Job <i>SQUEEZE OLD WELL</i>	Depth	County <i>PRATT</i>
Formation	State <i>KS.</i>	Legal Description <i>6-27-12</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>CASENOG 100%</i>		Acid <i>25 SL. CEMENT</i>		RATE	PRESS	ISIP
Depth <i>1429</i>	Depth <i>1429</i>	From <i>1538</i>	To	Pre Pad <i>SALT SATURATED</i>	Max			5 Min.
Volume	Volume	From	To	Pad <i>3% CC, 1% GEL</i>	(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>G. INSLEE</i>	Station Manager <i>D. AUSTY</i>	Treater <i>K. CORNEY</i>
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log		
<i>0830</i>			<i>107</i>	<i>26</i>	<i>38</i>	<i>72</i>	<i>ON LOCATION</i>
<i>0930</i>		<i>100</i>	<i>35</i>	<i>2</i>	<i>RUN 1556' OPEN END TUBING</i>		
<i>1015</i>		<i>100</i>	<i>6+7</i>	<i>1</i>	<i>CORC. WELL WITH FRESH H₂O</i>		
					<i>SPOT 25 SL. CEMENT</i>		
					<i>PULL 4 JTS - 1429'</i>		
					<i>SHUT IN TBG</i>		
<i>1055</i>	<i>100</i>		<i>1/2</i>	<i>1/4</i>	<i>PSE UP ON CASING - 100#</i>		
	<i>100</i>		<i>20</i>	<i>2</i>	<i>HELD 100# - REVERSE PSE - HELD</i>		
					<i>REVERSE OUT</i>		
					<i>PULL 3 JTS.</i>		
					<i>SHUT IN TBG</i>		
<i>1115</i>	<i>250</i>				<i>PSE UP ON CASING - 250#</i>		
	<i>300</i>				<i>300#</i>		
	<i>350</i>				<i>350#</i>		
<i>1130</i>	<i>400</i>				<i>400#</i>		
	<i>450</i>				<i>450#</i>		
	<i>500</i>				<i>500#</i>		
	<i>550</i>				<i>550#</i>		
<i>1155</i>	<i>600</i>				<i>600# - HELD SOLID - SHUT IN</i>		
<i>1200</i>					<i>JOB COMPLETE - THANKS - KEVIN</i>		

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INVOICE NO.
Date **5-23-02**
Customer ID

Subject to Correction
Lease **HELMKE "J"**
County **Pratt**

FIELD ORDER 4875
Well # **5**
State **KS.**
Legal **6-27-12**
Station **Pratt, KS**

CHARGE
Duck Creek Dev.
Depth _____ Formation _____ Shoe Joint _____
Casing **5 1/2** Casing Depth _____ TD _____ Job Type **SQUEEZE-OUT WELL**
Customer Representative **G. DUNLAP** Treater **H. GORDON**

AFE Number _____ PO Number _____
Materials Received by **X Harold W Jones**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
D200	25 SK.	COMMON CEMENT	✓			
C310	80 lb.	CALCIUM CHLORIDE	✓			
C223	400 lb.	SIACT	✓			
C322	50 lb.	GOLSONITE	✓			
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E107	25 SK.	CEMENT SERV. CHARGE				
E100	5 mi. le	UNITS MILES				
E104	160 TON	TONS MILES				
R400	1 EA.	EA. PUMP CHARGE				
DISCOUNT PRICE =				1109.00		
PLUS TAX						

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TOTAL

TREATMENT REPORT

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Customer ID	Date
Customer LUKA CARMI DEVELOP.	5-16-02
Lease HELIKE "J"	Lease No.
	Well # 5

Field Order # 4115	Station PRATT	Casing 5 1/2	Depth	County PRATT	State KS
Type Job SQUEEZE JOB OLD WELL			Formation	Legal Description 6-275-12W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 7/8	Shots/Ft Hole		Fluid 50 SKS Common		RATE	PRESS	ISIP
Depth 1443	Depth 1443	From 1522	To 1539	Pre Pad SAIT SOL. 2% C.C.	Max			5 Min.
Volume	Volume 8.35	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 2155	Packer Depth 1443	From	To	Flush	Gas Volume			Total Load

Customer Representative GERALD	Station Manager DAVE AUBRY	Treater T. SEBA & KEVIN GOREL
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					called out
7:45					ON LOC w/ TRK & SAFETY MTG
9:30	150		32 1/2	2 1/2	400" ANN 25" TBG
9:53					RELEASE PKR & CIRC HOLE CLEAN
		200			SET PKR @ 1443'
		250			TEST @ 100
		450		3/4	TEST @ 100
10:00					TAKE INJ RATE
12:35	500				DECIDE ORDER CMT
12:57		350		3/4	PSI UP ANN HEAD & RELEASE
		0	4		START MIX & PUMP CMT
				1/4	ON VAL
1:24			11.22		SLOW RATE
			10		SHUTDOWN
1:26				.3	CLEAR PUMP & LINES
			6		START DISP
1:35			6 1/2		STOP ON S VAL
1:59	100		7	.3	SHUTDOWN & WASH UP TRK
2:15	100		7 1/2	.3	S VAL PUMP 1/2 BBL @ 0"
2:45	150		8	.3	START PUMP @ 50"
					START PUMP @ 75"

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ORIGINAL

TREATMENT REPORT



Customer ID	Date
Customer Luka CARMY DEVELOP	5-16-02
Lease HELNSKE 'J'	Lease No.
	Well # 5

Field Order # 4775	Station PRATT	Casing 5 1/2	Depth	County PRATT	State KS
Type Job SQUEEZE JOB		Formation OLD WELL		Legal Description 6-27S-12W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 7/8	Shots/Ft 1 hole		Acid 50 SKS Common		RATE	PRESS	ISIP
Depth	Depth 1443	From 1522	To 1539	Pre Pad SALT SAT. 20% CC	Max			5 Min.
Volume	Volume 7.35	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 2755	Packer Depth 1443	From	To	Flush	Gas Volume			Total Load

Customer Representative GRAUD	Station Manager D. ATRY	Treater T. SEBO & KEVIN GORDLEY
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log	
			114	23	36	71
3:10		150	9	.3	START PUMP ↓ 75	
3:57		200	0		↓ 100"	
4:25		300			↓ 100"	
4:53		100			RELEASE & HELD	
	0		13	1	REV OUT	
5:15		200			SET PRE & RE PS3 SQUEEZE JOB	
					FELL ↓ 100"	
					CLOSE VALVE ON TBG	
					JOB COMPLETE	
					THANKS	
					TDD	

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TREATMENT REPORT



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Customer ID		Date	
Customer LUKA CARMIE DEVELOP		5-15-02	
Lease HELVIKE J'		Lease No.	Well # 5
Field Order # 9169	Station PRATT	Casing 5 1/2	Depth
Type Job HUNT HOLE & SQUEEZE JOB OLD WELL		County PRATT	State KS
Formation		Legal Description 6-275-12W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 7/8	Shots/Ft 1406		Acid 50 SKS Common		RATE	PRESS	ISIP
Depth	Depth	From 1522'	To 1535'	Pre Pad 3 1/2 CC.	Max			5 Min.
Volume	Volume	From	To	Pad 50 SKS Common	Min			10 Min.
Max Press	Max Press	From	To	Frac 10 SKS GEL	Avg			15 Min.
Well Connection	Annulus Vol.	From	To	Flush 1 SKS C.C.	HHP Used			Annulus Pressure
Plug Depth 2755	Packer Depth	From	To		Gas Volume			Total Load

Customer Representative: **GERALD** Station Manager: **D. AUBRY** Treater: **T. SEBA & DAVE SCOTT**

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00					CALLING OUT
9:30					ON LA W/ TRK & SAFETY MITG HUNT HOLES 1522' 1539'
10:53		300	5	2	TAKE SWJ RATE SHUT DOWN ORDER CMT
12:20	0	500	25	2	START MIX: PUMP 10 SKS GEL PUMP BBV CC H2O
			5		
			10.5		START MIX 50 SKS 3 1/2 CC
			10.5		START MIX 50 SKS Common
			10		SHUT DOWN WASH LINES
12:42	0			1	START DESP
	0		4		SHUT DOWN ON VAC
	0		6	.3	START PUMP
12:52			8		SHUT DOWN
13:05					WASH UP TRK
13:05		100	8.5		START PUMP 1/2 BBL CLEAR PKR
					SHUT DOWN
13:20		100	9	.3	Pump 1/2 BBL
13:35					Pump
13:45			9 1/4		Pump
14:00					Pump

TREATMENT REPORT



Customer ID	Date
Customer Tuka CAEMS DEVELOP	5-15-02
Lease HELNJKE 5'	Lease No.
	Well # 5

Field Order # 4769	Station PRATT	Casing 5 1/2	Depth	County PRATT	State KS
Type Job HUNT HOLE & SQUEEZE JOB	Formation	Legal Description 6-275-12W			

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 7/8	Shots/Ft HOLE	Acid 50 SKS Common W/			RATE	PRESS	ISIP
Depth	Depth	From 1522 To 1538	Pre Pad 3 1/2 CC			Max		5 Min.
Volume	Volume	From	Pad 50 SKS Common			Min		10 Min.
Max Press	Max Press	From	Frac 10 SKS GEL			Avg		15 Min.
Well Connection	Annulus Vol.	From	1 SKS CC			HHP Used		Annulus Pressure
Plug Depth 2755	Packer Depth 1443	From	Flush			Gas Volume		Total Load

Customer Representative GERALD	Station Manager D. ATRY	Treater T. SEBA & DAVE SCOTT
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
14:15		100	9 1/2	.3	Pump
14:30		100	10	.3	Pump
14:35	500'				DECIDE RELEASE? LEAK DECIDE PPS UP ANN 500" RELEASE PKE PUMP 1/4 BBL DOWN ANN
14:45	500				RESET PKE RE PPS ANN 50' +/- ON TLOG RELEASED
					JOB COMPLETE
					THANKS
					TODD SCOTT
					RECEIVED
					MAR 17 2004
					KCC WICHITA

TREATMENT REPORT

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Customer ID	Date
Customer <i>LUKAS CARROLL DEVEL.</i>	<i>5-13-02</i>
Lease <i>HELMHE "J"</i>	Lease No.
	Well # <i>5</i>

Field Order # <i>4750</i>	Station <i>Pratt, Ks.</i>	Casing <i>5 1/2</i>	Depth	County <i>Pratt</i>	State <i>Ks.</i>
Type Job <i>Scraper - Old Well</i>	Formation	Legal Description <i>6-27-12</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>CSG. LEAK</i>		Acid <i>150 SL Common 2% CC</i>	RATE	PRESS	ISIP	
Depth	Depth	From <i>1507</i>	To <i>1569</i>	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 <i>2755</i>	Packer Depth <i>1438</i>	From	To	Flush	Gas Volume		Total Load	

Customer Representative <i>Carroll</i>	Station Manager <i>D. ANTEL</i>	Treater <i>K. GORDLEY</i>
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Service Units	<i>107</i>	<i>26</i>	<i>30</i>	<i>75</i>
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0900</i>					<i>ON LOCATION</i>
<i>1040</i>		<i>500</i>	<i>1/2</i>	<i>1/2</i>	<i>PKR - 1630' - TEST TBG - HELD</i>
<i>1052</i>		<i>500</i>	<i>1/2</i>		<i>PKR - 1600' - TEST TBG - HELD</i>
		<i>500</i>	<i>1/2</i>		<i>PKR - 1569' - TEST TBG - HELD</i>
		<i>100</i>	<i>1/2</i>	<i>2</i>	<i>PKR - 1538' - TEST TBG - LEAK</i>
	<i>200</i>		<i>1 1/2</i>	<i>2</i>	<i>TEST ANNU - LEAK</i>
<i>1115</i>	<i>500</i>		<i>1</i>	<i>1/2</i>	<i>PKR - 1507 - TEST ANNU - HELD</i>
				<i>*</i>	<i>CSG LEAK - 1507' TO 1569'</i>
					<i>SET PKR AT 1438'</i>
<i>1245</i>	<i>500</i>				<i>TEST ANNU - HELD</i>
<i>1248</i>		<i>150</i>	<i>3</i>	<i>2</i>	<i>INS. RATE TBG</i>
<i>1300</i>		<i>100</i>	<i>30</i>	<i>2-1</i>	<i>MIXR CEMENT - 150 SL Common 2% CC</i>
					<i>STOP - WASH COWE</i>
		<i>UAC</i>	<i>0</i>		<i>START PUMP ON UAC</i>
		<i>UAC</i>	<i>7</i>		<i>STOP - 7 bbl out</i>
		<i>UAC</i>	<i>8</i>		<i>STOP - 8 bbl out</i>
<i>1435</i>		<i>300</i>	<i>9</i>	<i>1/4</i>	<i>STOP - 9 bbl out</i>
<i>1448</i>		<i>800</i>	<i>9 1/2</i>	<i>1/4</i>	<i>STOP - 9 1/2 bbl out</i>
					<i>HEAD 800#</i>
<i>1510</i>	<i>100</i>		<i>15</i>	<i>2</i>	<i>REVERSE OUT</i>
<i>1530</i>		<i>800</i>			<i>PULL 2 STS - PSD TEST - HELD 800#</i>

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1600 JOB COMPLETE White - Accounting • Canary - Customer • Pink - Field Office *Frank's - 1600*

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TREATMENT REPORT



Customer ID: KCC WICHITA
 Customer: TUKA CARBON DEVELO.
 Lease: HELMKE "J"
 Date: 5-9-02
 Lease No.:
 Well #: 5

Field Order #: 4748
 Station: PRATT, KS.
 Casing: 5 1/2
 Depth:
 County: PRATT
 State: KS.
 Type Job: Hunt holes & squeeze - old well
 Formation:
 Legal Description: G-27-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
5 1/2	2 7/8							5 Min.
Depth	Depth	From	To	Pre Pad		Max		
		From	To	Pad		Min		10 Min.
Volume	Volume	From	To	Frac		Avg		15 Min.
Max Press	Max Press	From	To			HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush		Gas Volume		Total Load
Plug Depth	Packer Depth	From	To					

Customer Representative: GERMAD
 Station Manager: D. AUSTRY
 Treater: K. GORDON

Service Units	107	23	36	72				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
0820					ON LOCATION
	DEAD	200			TUBING - 200 PSI ANN - DEAD
		200	17	2 1/2	PUMP 17 bbl 2% KCL DOWN TBG
					REVERSE TBG PSI - ABOUT 20-25
	DEAD				661 H2O BACK BEFORE WELL IS DEAD
					PULL PPI TOOL & TUBING
					RUN RBP & PACKER
					RBP - 2755' PCKR - 2738'
		1500	1/2	1/4	PSD TEST RBP - HELD - 1500#
	50		4	2	PSD TEST ANN - LEAK 2 BPM AT 50#
1225		200	13	2	PULL 1 JT. & SPOT SANDS
1300					PULL 20 JTS - PCKR - 2070'
		500	1/2	1/4	TEST TBG - HELD
					PULL 20 JTS - PCKR - 1445
		0	2 1/2	2	TEST TBG - LEAK
	500		1/2	1/4	TEST ANN. - HELD
					RUN 5 JTS - PCKR - 1600'
	0		2	2	TEST ANN. - LEAK
		500	1/4	1/4	TEST TBG - HELD
					PULL 2 JTS - PCKR - 1538'
					NEXT PAGE

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TREATMENT REPORT



Customer ID		Date	
Customer INTRA OILFIELD DEVELOPMENT		5-9-02	
Lease HELMER "J"	Lease No.	Well # 5	
Field Order # 4748	Station Pratt, Ks.	Casing 5 1/2	Depth
Type Job HUNT HOLE + SOMEWHERE OLD WELL	Formation	County Pratt	State Ks.
		Legal Description 6-27-12	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 7/8	Shots/Ft		Fluid 100 SL. COMMON 2% C.C.	RATE	PRESS	ISIP	
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume 8.4	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 2755	Packer Depth 1445	From	To	Flush	Gas Volume		Total Load	

Customer Representative: *COLEMAN* Station Manager: *D. HUNTER* Treater: *V. GORDON*

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
			107	23	
			36	72	
					PKR AT 1538'
		0		2	TEST TBC - LEAK
		0		2	TEST ANN - LEAK
					RUN 1 JTS. - PKR - 1507'
1422	500		1/4	1/4	TEST ANN. - HELD
					* CASING LEAK FROM 1507' - 1600'
					RUN 2 JTS. - SET PKR - 1445'
1535	500				PSI TEST ANN. - HELD
		100	4	2	INS. RATE TBC - 2BPM AT 100 PSI
					MIX CEMENT
1545		UAC	21	2	100 SL. COMMON 2% C.C.
		UAC			SHUT DOWN - WASH LINE
1605		UAC	0	1/2	START DESP
1615		UAC	7	1/2	STOP - 7 bbl out
1630		UAC	8 1/2	1/4	STOP - 8 1/2 bbl out
1700		0	9	1/4	STOP - 9 bbl out
1730		50	9 1/2	1/4	STOP - 9 1/2 bbl out
1745					REVERSE PSI - HELD
1755	50		12	1/2	REVERSE OUT - NO CEMENT
1812		100			RUN 3 JTS. - SET PKR - PSI TBC - SHUT DN

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1830 JOB COMPLETE

White - Accounting • Canary - Customer • Pink - Field Office
THANKS KEVIN

ORIGINAL

TREATMENT REPORT



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Customer ID	Date
Customer Tuka Carmi Dev.	5-7-02
Lease Helmerke 'J'	Lease No.
	Well # 5-

Field Order # 4791	Station Pratt	Casing 5 1/2	Depth	County Pratt	State KS
Type Job Acid Old Well			Formation Langdon SAND	Legal Description Sec. 6-27-12W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 2 7/8	Shots/Ft 4		Acid 600 gals. 15% DSFE		RATE	PRESS	ISIP 400
Depth 2790	Depth 2790	From 2782	To 2790	Pre Pad		Max 3/4	1050	5 Min.
Volume 16	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg P.P.T		15 Min.
Well Connection	Annulus Vol. 48	From	To			HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush 18 Bbls. KCl Water		Gas Volume		Total Load 33 Bbls.

Customer Representative Gareld Insley	Station Manager Dave Autry	Treater Jim Strunk
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Service Units	113	23
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:00					Arrive on location Hold SAFTY Meeting
					Tbg. @ 2768' Tool NOT SET
3:04					Pump 100 gals Acid dn. Tbg. ST. KCl Water
3:26		400	70	3	Hole NOT Circ, STOP pump
		100	70		ISIP, Tbg. Flow BACK
4:12		0			41 Bbls. Flow BACK, Set Tool
4:26	100				Load ANN. & TAKE IND. TEST
4:27	200		7	3	STOP Pump
4:58		2000	7		Press. Test Tbg. w/ Tool SET
5:00		2000			TEST O'K', Bleed OFF, Re-Set Tool
5:18					START Pump WATER dn. Tbg.
5:19		800		1	Tool open & Circ., START Acid
			12		500 Acid in, START WATER
5:29		600	16		4 Bbls. WATER in, Acid on Bottom, STOP
					SPOT Tool to TEST Blank 2791'
5:32		1500			TEST Blank, move tool 1' 2790'
		400	25	3/4	Pump 50 gals. Each 1' Setting up to 2782'
5:45		1050			BREAKDOWN Press. Tool @ 2782'
5:50		500	29	3/4	All Acid CLEAR OF Tbg.
5:52		2000			TEST BLANK @ 2781' - Bleed OFF

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Job Complete Taylor Filling, Inc.