

MAY 22 2003  
5-22-03  
CONSERVATION DIVISION  
WICHITA, KS

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 # 5056  
Name: F.G. Holl Company, L.L.C.  
Address: 9431 E. Central, Suite 100  
City/State/Zip: Wichita, Kansas 67278-0167 67206  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Franklin R. Greenbaum  
Phone: (316) 684-8481  
Contractor: Name: Sterling Drilling Company, Rig #4  
License: 5142  
Wellsite Geologist: Bill Ree

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. \_\_\_\_\_

01/18/2003      02/05/2003      03/17/2003  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 007-22,728-0000  
County: Barber      120' E. of  
S/2 N/2 SE Sec. 4 Twp. 30 S. R. 14  East  West  
\_\_\_\_\_ 1650 feet from S / N (circle one) Line of Section  
\_\_\_\_\_ 1200 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE  SE NW SW  
Lease Name: J.M. SHRIVER Well #: 1-4  
Field Name: Eads

Producing Formation: \_\_\_\_\_  
Elevation: Ground: 1971' Kelly Bushing: 1980'  
Total Depth: 4760' Plug Back Total Depth: 4504'  
Amount of Surface Pipe Set and Cemented at 221.02' 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 10/7-24-03  
(Data must be collected from the Reserve Pit)  
Chloride content 38,000 ppm Fluid volume 1,800 bbls  
Dewatering method used Hauled fluids to disposal

Location of fluid disposal if hauled offsite:  
Operator Name: F.G. Holl Company, L.L.C.  
Lease Name: KENNEDY -30 SWI License No.: 5056  
Quarter \_\_\_\_\_ Sec. 30 Twp. 29 S. R. 12  East  West  
County: Pratt Docket No.: D-22,132

**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: Franklin R. Greenbaum  
Title: Exploration Manager Date: \_\_\_\_\_

Subscribed and sworn to before me this 21st day of May, 2003

19 \_\_\_\_\_  
Notary Public: Betty B. Herring

Date Commission Expires: 04/30/2006

Notary Public - State of Kansas  
**BETTY B. HERRING**  
My Appt. Exp. 4/30/2006

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

Operator Name: F.G. Holl Company, L.L.C. Lease Name: J.M. SHRIVER Well #: 1-4  
 Sec. 4 Twp. 30 S. R. 14  East  West County: Barber. 120' E. of

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Herrington	2206 (-226)	BKC 4412 (-2432)
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Winfield	2264 (-284)	Viola 4519 (-2539)
List All E. Logs Run:		Ft Riley	2381 (-401)	Simpson 4549 (-2569)
DIL/MEL/BHCS		Cottonwood	2702 (-722)	Simpson S4552 (-2572)
CNL/CDL		Red Eagle	2839 (-859)	Arbuckle 4659 (-2679)
		Stotler	3162 (-1182)	RTD 4760 (-2780)
		Tarkio	3213 (-1233)	
		Bern	3305 (-1325)	
		Topeka	3460 (-1480)	
		Douglas	3895 (-1915)	
		LKC	4025 (-2045)	

CASING RECORD <input checked="" 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
Conductor	17-1/4"	13-3/8"	48#	221.02'KB	60/40Poz	250sx	3%cc, 1/4# celf
Production		4-1/2"	10.5#	4759'KB	50/50 Poz	150sx	2%cc, 5#/sx cal
					50/50 Poz	150sx	

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				

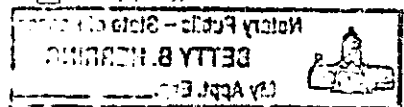
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	4552' -4556.5' Simpson Sand	Treat w/ 250 gal 15% MCA	
	CIBP @ 4548'		
4 SPF	4522' - 4536' Viola CIBP @ 4504'	Treat w/ 250 gal 15% MIRA acid	
	2840' - 2848' Red Eagle		

TUBING RECORD		Size 2-3/8"	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. Waiting on Gas Connection		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

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 2840' - 2848' Red Eagle



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CONSERVATION DIVISION  
WICHITA, KS

TREATMENT REPORT

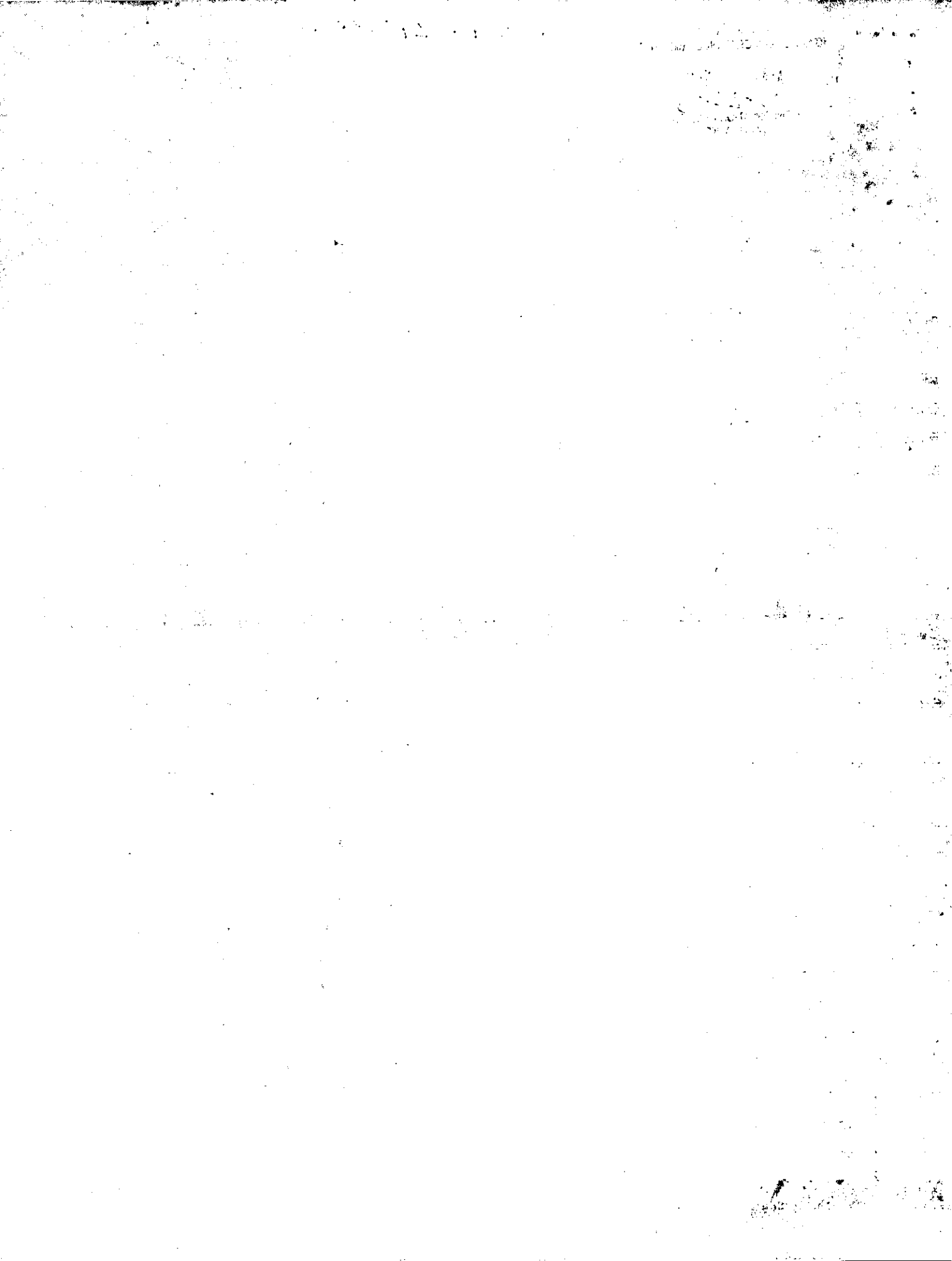


Customer ID		Date	
Customer F. G. HOLL		2-5-03	
Lease SHADWEL	Lease No.	Well # 1-4	
Field Order # 5796	Station Pratt, KS	Casing 4 1/2	Depth 4759
Type Job LONGSTRETCH-NEW WELL		County BARBER	State KS
Formation TD-4760'		Legal Description 4-30-14	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shot/Ft D.V. TOOL 1 <sup>st</sup>	1 <sup>st</sup> Hole	25 SK. A-SEW	RATE	PRESS	ISIP	
Depth 4759	Depth	From 3402	To	150 SK. HOLL BLEND	Min		5 Min.	
Volume	Volume	From	To		Avg		10 Min.	
Max Press	Max Press	From	To	2 <sup>nd</sup> Hole 25 SK. A-SEW			15 Min.	
Well Connection	Annulus Vol.	From	To	150 SK. HOLL BLEND	Gas Used		Annulus Pressure	
Plug Depth 4729	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative Rob Long	Station Manager D. HETPY	Treater K. GORDLEY			
Service Units	107	35	57	39	71

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2030					ON LOCATION
2200					RUN 4759' 4 1/2 CASING. RUN FLOAT SHOE, L.P. Baffle ON 1 <sup>st</sup> COLLAR. CEWT. - 5-6-7 9-10-11 13-14-15 35-36-37 48-49 BASKET - #3 - #35 * D.V. TOOL - #34 - 3402' ± 300' SCRATCHERS
2300					THE BOTTOM, DROP BALL, BRONN CORE. ROTATE CASING
0100	300		20	6	PUMP 20 bbl SPACER FLUSH
			3	6	PUMP 3 bbl H2O SPACER
			12	6	PUMP 12 bbl MUD PASTE
			3	6	PUMP 3 bbl H2O SPACER
			12	6	PUMP 12 bbl SUPERFLUSH
					INDEX CEMENTS
	200		8	6	25 SK. A-SEW LITE
	200		41	6	150 SK. 50/50 HOLL BLEND



**TREATMENT REPORT**



Customer ID		Date	
Customer <b>F. G. HOLL</b>		<b>2-5-03</b>	
Lease <b>SHROVER</b>		Lease No.	Well # <b>1-4</b>
Field Order # <b>5790</b>	Station <b>PRATT, KS</b>	Casing <b>4 1/2</b>	Depth <b>4759</b>
Type Job <b>LOW STRENGTH - NEW WELL</b>		County <b>BARBER</b>	State <b>KS</b>
Formation <b>T.D. 4760</b>		Legal Description <b>4-30-14</b>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <b>4 1/2</b>	Tubing Size	Shots/Ft <b>D.V. 200L</b>	Acid	Pre Pad	Rate	Press	ISIP	
Depth <b>4759</b>	Depth	From <b>3402</b>	To	Max			5 Min.	
Volume	Volume	From	To	Min			10 Min.	
Max Press	Max Press	From	To	Avg			15 Min.	
Well Connection	Annulus Vol.	From	To	HHP Used			Annulus Pressure	
Hug Depth <b>4759</b>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative **Rob Lowie** Station Manager **D. Austin** Treater **B. Gordley**

Service Units	<b>107</b>	<b>35</b>	<b>57</b>	<b>39</b>	<b>71</b>
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
		0	0		STOP - WASH LINE - DROP PLUG
		200	25	7 1/2	START DISP. w/ H <sub>2</sub> O
		200	50	7 1/2	START MUD DISP
		500	70	4	SLOW RATE
<b>245</b>		1500	75	4	PLUG DOWN - RELEASE - HOLD
<b>2200</b>					DROP D.V. OPEN PLUG
<b>2200</b>					OPEN D.V. - CORE 3 1/2 HOURS
<b>500</b>	<b>200</b>		20	6	PUMP 20 bbl SALT FLUSH
			3	6	PUMP 3 bbl H <sub>2</sub> O SPACER
			12	6	PUMP 12 bbl MUD FLUSH
			3	6	PUMP 3 bbl H <sub>2</sub> O SPACER
			12	6	PUMP 12 bbl SUPERFLUSH
					MIX CEMENTS
			8	6	25 SK A-SEPU LITE
	<b>100</b>		41	6	150 SK 50/50 HOLL BLANDS
					STOP - WASH CINE - DROP PLUG
			0	7 1/2	START DISP.
<b>530</b>	<b>1500</b>		54	4	PLUG DOWN - D.V. CLOSED
					25 SK A-SEPU LITE → PLUG RT & WAIT

**TREATMENT REPORT**

MAY 22 2003  
5-22-03  
CONSERVATION DIVISION  
WICHITA, KS  
**CID**  
VICES LLC

Customer ID	Date	
Customer	1-18-03	
Lease	Lease No.	Well #
SHRIEVER		1-4
Station	Casing	Depth
PRATT, KS	13 3/8	221'
County	Formation	Legal Description
BARBER		4-30-14
State		
KS.		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Note	RATE	PRESS	ISIP	
13 3/8				250 SK. 60/40 POZ	Max		5 Min.	
Depth	Depth	From	To	See-Prod	Min		10 Min.	
221				3% C.C.,	Avg		15 Min.	
Volume	Volume	From	To	Prod	HHP Used		Annulus Pressure	
				1/4 # CELL FILTER	Gas Volume		Total Load	
Max Press	Max Press	From	To	Frac				
Well Connection	Annulus Vol.	From	To	Flush				
Plug Depth	Packer Depth	From	To					

Customer Representative: L.S. Station Manager: D. HOFFER Treater: K. GORDLEY

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1045					ON LOCATION
					RUN 221' 13 3/8 CASING.
					TAC BOTTOM - BREAK CORE.
1500	150		10	6	PUMP 10 bbl H <sub>2</sub> O
	150		55	6	MIX CEMENT 250 SK. 60/40 POZ 3% CC, 1/4 #/SIL CELL FILTER
	100		0	6	START DISP.
	200		3 1/2	6	FINISH DISP.
1530					START IN SWEDGE & WAVE
					PERC. 25 SK. CEMENT IV
1600					JOB COMPLETE THANKS - NEVA

# Mud-Co / Service Mud, Inc.

15-007-22728-0000

ORIGINAL

MAY 22 2003  
S-22-03  
CONSERVATION DIVISION  
WICHITA, KS

Operator FG Holl County/State Barber, KS. Pump 6 X 14 60 SPM 13 3/8" @ 221 ft.  
Well #1-4 Shriver Location Pratt, Ks. GPM 8.2 BPM 203 FT/MIN R.A. 368 FT/MIN R.A. Total Depth 4760 ft.  
Contractor Sterling Drilling #4 Sec 4 TWP 30S RNG 14W D.P. 4 1/2 in. Collar 6 1/4 in. 496 ft.  
Stockpoint Pratt, Ks. Date 01/18/03 Engine Brad Bortz

DATE	DEPTH feet	WEIGHT lb/gal	GELS		VISCOSITY		FILTRATION		FILTRATION ANALYSIS			SAND %	RETORT			CUMULATIVE CDST PSI	REMARKS AND TREATMENT
			10 sec / 10 min	Yp	PV @ F	F	mi API	Cake 32hrs	Pres. #BBL	Cl ppm	Ce ppm		Solids %	Oil %	Water %		
01/18	0															0 Move in rig	
01/19	660															Drig.	
01/20	1996	8.7	63	15	25	5/32	7.0	6.2	1	3000	60	1.0	99.0			Drig., displace w/ starch at 1996'	
01/21	2255	9.0	47	10	20	13/25	7.0	12.8	1	17m	hvy	4.0	96.0			DST #1	
01/22	2850	9.4	41	10	17	12/30	7.0	12.8	1	30m	hvy	5.9	94.1			Drig.	
01/23	2995	8.8	50	13	19	12/25	10.0	8.0	1	6000	80	3.2	96.8			Drig., displace w/ chemical at 2926'	
01/24	3330	8.9	65	14	29	18/50	9.5	10.4	1	5000	60	4.0	96.0			DST #4	
01/25	3570	9.0	55	13	27	16/40	10.0	10.4	1	7000	80	4.6	95.4			Drig.	
01/26	3865	9.3	56	14	36	21/54	10.0	12.0	1	8500	120	6.7	93.3			Drig.	
	3975	9.0	45	10	15	7/28	10.0	9.6	1	5000	80	4.7	95.6			Drig., lost circ at 3942' -3970', 180 bbls	
01/27	4104	8.9	44	13	10	9/28	9.5	10.2	1	5200	50	3.9	96.1			DST #7, DST #6 - 4082'	
01/28	4210	9.1	41	11	6	14/29	9.5	10.2	1	6800	120	5.3	94.7			DST #8	
01/29	4444	9.0	49	16	10	18/27	11.0	8.8	2	6000	60	4.6	95.4			Drig.	
02/02	4545	8.8	51	12	16	18/28	10.0	8.8	1	7000	60	3.2	96.8			Back drilling after rig repair. Cond mud for DST #9	
02/03	4545	9.0	48	12	16	7/27	10.0	8.0	1	5000	80	4.7	95.4			Drig.	
02/04	4665	9.2	45	10	15	9/25	10.0	10.4	1	6500	80	6.0	94.0			DST #11	
02/05	4760															Logging	
																Final 12 DST's, log OK	
																Can production casing	
																Reserve pit: 38,000 ppm chlorides 1,800 bbls volume	

MATERIALS	AMOUNT	SACKS	MATERIALS	AMOUNT	SACKS
C/S Hulls		156			82
Caustic Soda		37	Lig		26
Cedar Fiber		6	1102W		1
Cello Flake		6			
Drill Pak		8			
Lime		4			
Multi Blend		18			
Premium Gel		676			
Salt Clay		47			
Soda Ash		34			
Total Mud Cost			TOTAL COST		
Trucking Cost					
Trucking surcharge					
Taxes					

**MUD-CO / SERVICE MUD INC**  
100 S. Main, Suite #405  
Wichita, Ks. 67202  
316/264-2814 Fax: 316/264-5024

**DRILLING MUD RECAP**