



**TREATMENT REPORT**  
DWL-494.F PRINTED IN U.S.A.

DOWELL DIVISION OF THE DOW CHEMICAL COMPANY

DATE  
March 18, 1964

WELL NAME AND NUMBER <b>Rein A1</b>	LOCATION <b>29-19-21 W</b>	CUSTOMER REPRESENTATIVE <b>Mr. McCollum</b>	TREATMENT NUMBER <b>3-6-5135</b>
POOL <b>Schaven</b>	FORMATION <b>Mississippi</b>	JOB DONE DOWN TUBING <input type="checkbox"/> CASING <input type="checkbox"/> ANNULUS <input checked="" type="checkbox"/>	ALLOWABLE PRESSURE TBG: <b>3000</b> CSG: <b>3000</b>
COUNTY <b>Ness</b>	STATE <b>Kansas</b>	TYPE OF WELL 4 OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> WATER <input type="checkbox"/> INJ. <input type="checkbox"/>	
TYPE OF SERVICE <b>Frac. 3500 390 FA-10</b>		AGE OF WELL 5 NEW WELL <input type="checkbox"/> REWORK <input checked="" type="checkbox"/>	TOTAL DEPTH <b>64421</b>
CUST. NAME	ADDRESS <b>Cities Service Oil Co. Box 308</b>	CASING SIZE <b>4 1/2</b>	CASING DEPTH <b>94411</b>
CITY AND STATE <b>Great Bend, Kansas</b>	REMARKS	TUBING SIZE <b>1 1/2" eve</b>	TUBING DEPTH <b>4268</b>
		LINER SIZE <b>2</b>	LINER DEPTH <b>3</b>
		PACKER TYPE <b>4</b>	PACKER DEPT <b>5</b>
		OPEN HOLE <b>16 10'</b>	CSG. OR ANRL. VOL. <b>1748</b>
		TBG VOLUME <b>17</b>	STATIC BHT. <b>10</b>
PERFORATED INTERVALS			
DEPTH		NO. OF HOLES	

FOR CONVERSION PURPOSES 24 BBLs EQUALS 1000 GALLONS

ARRIVED ON LOCATION: **9:00 Am**

TIME	INJECTION		PRESSURE	SERVICE			(C) PROPPING AGENT OR (D) PLUGGING SERVICE			
	RATE	BBLs IN		LIQUID (A)	PURPOSE	FLA. (B) CONC.	TYPE	SIZE	CONC.	AMOUNT
9:45			Anrl	Mix 3500 390 FA-10 w/J84 + 4 Gal w9						
10:32		16	-	BR	Tubing Vol.					
10:46		12		390 FA-10	Psd	J84-16				
10:47		48		" " "	Frac	close tubing in				
10:49	5	58	2150		Break Down					
10:54	4.5	84	2075	390 FA-10	Pressure Reading	J84-16 Sand	20/40	1	3000	
10:58			2350		Pressure Reading					
11:04	5	50	2575	BR	Flush					
11:05			1850	1 min P.D						
11:06			1600	2 " "						
11:09			1000	5 " "						
11:14			500	10 " "						

TIME LEFT LOCATION <b>12:30 P.m.</b>	AVER. LIQUID INJ. RATE <b>5</b>	ADJ. INJ. RATE (SOLIDS INC.) <b>5</b>	PROPS AND LIQUIDS INJECTED		
MAX PRESSURE <b>2575</b>	AVER. PRESSURE <b>2200</b>	SHUT IN PRESSURE IMMEDIATE <b>2150</b> 15 MINUTE <b>200</b>	TYPE <b>Sand</b>	SIZE OR PURPOSE <b>20-40</b>	AMOUNT <b>3000</b>

DOWELL LOCATION <b>Great Bend, Ka</b>	DOWELL ENGINEER <b>R.W. Carmichael</b>	AMOUNT <b>15 gal</b>	AMOUNT <b>660</b>
(A) NOTE: SEE (AA) FOR SPECIAL ADDITIVES		(B) CONC. IS GIVEN IN LBS. OR GALS. PER 1000 GALS. OF LIQUID	(C) SIZE IS GIVEN IN MESH RANGE CONC. IS GIVEN IN LBS. PER GALLON OF LIQUID
MA—MUD ACID X—HCL ACID APF—ACID PETROFRAC FA—FRAC ACID BDA—BREAKDOWN ACID LO—LEASE OIL RO—REFINED OIL DO—DIESEL OIL KE—KEROSENE PJ—PETROJEL PF—PETROFRAC FW—FRESH WATER BR—BRINE	WF—WATERFRAC M41—M41 GEL ST—STRATAFRAC VR—VERSENE SSS—TRIPLE S ACID SLW—SLICK WATER SLO—SLICK OIL MUD—DRILLING MUD RX1—RETARDED ACID I RX2—RETARDED ACID II RX3—RETARDED ACID III	CONC. IS GIVEN IN LBS OR GALS. PER 1000 GALS OF TOTAL GALS. TYPE TREATED CONC. <b>J84 16</b> <b>J111 10</b>	S—SAND WS—WALNUT SHELLS AL—ALUMINUM NY—NYLON <b>S 1</b>

CALL BACK	DATE	CUSTOMER REP. CONTACTED	CUSTOMER CONSIDERED SERVICE	SATISFACTORY <input type="checkbox"/> UNSATISFACTORY <input type="checkbox"/> UNKNOWN <input type="checkbox"/>	PROD. BEFORE TREATMENT <input type="checkbox"/> TEST	PROD. AFTER TREATMENT <input type="checkbox"/> ALLOWABLE <input type="checkbox"/> TEST	ALLOWABLE
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FILE

Great Bend, Kansas  
April 8, 1964

To: Mr. H. J. Lucchi

From: L. T. Byrd *LTB*

Re: State Physical Potential - Schaben Pool, Ness County,  
Kansas.

Well No.	Date	Form.	Prod. -Bbls.		Hrs.	Allow.
			Oil	Water		
Rein "A" #1*	3-30-64	Miss.	44	35	24	31

\*Potential of new well after fracture treatment.

LTB:ER

CC: R. E. Adams  
O. C. Atkinson  
C. J. Russell



**TRETOLITE DIVISIO**

369 MARSHALL AVE. ST. LOUIS 19, MO.

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ANALYTICAL REPORT

ANALYSIS NO. AS 652 GB DATE 8-13-64

Company Cities Service Oil Company

City, State Great Bend, Kansas

Description Rein A-1 Sample from tubing and pump.

RESULTS

Approximate Quantitative Analysis:

Iron Sulfide FeS	35%
Calcium Carbonate CaCO <sub>3</sub>	55%
Silica SiO <sub>2</sub>	10%

Remarks: Scale from tubing.

28 Oil - 35 Water in 24 hours.

To: Mr. Ray Keesling, Box 809, Great Bend, Kansas

cc: McMally, <sup>TENON</sup> ~~Gannon~~, Samuelson, Robinson

Respectfully Submitted  
TRETOLITE COMPANY

E. W. Jenisch